

ASTROGRAPHIC CATALOGUE

1900.

---

GREENWICH SECTION,

VOLUME I.

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ASTROGRAPHIC CATALOGUE  
1900·0

GREENWICH SECTION

DEC. + 64° TO 90°

FROM PHOTOGRAPHS TAKEN AND MEASURED AT THE  
ROYAL OBSERVATORY, GREENWICH

UNDER THE DIRECTION OF

WILLIAM HENRY MAHONEY CHRISTIE, C.B., M.A., D.Sc., F.R.S.  
ASTRONOMER ROYAL

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VOL. I.  
MEASURES OF  
RECTANGULAR CO-ORDINATES AND DIAMETERS  
OF STAR IMAGES  
DEC. + 64° TO + 72°



EDINBURGH:  
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE  
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# ERRATA.

PAGE

- xlv. *Last line*, Col. 4, for  $-001601$ , read  $-001001$ .
12. *Footnote*, for  $2367 + 2981$ , read  $2981$  and  $2369$ .
49. No. 7060, Cols. 5 and 6, insert  $63^{\circ}1676a$ ,  $8^{\circ}2$ .
94. No. 3349, Cols. 8, 9, insert  $66^{\circ}667$ ,  $9^{\circ}5$ .
114. *Footnote*, for  $\delta$  Herculis, read  $\zeta$  Draconis.
117. Nos. 5647, 5648, *dele.* bracket, Cols. 8, 9, lower figures  $\frac{1}{2}$  line.
118. No. 5781, Cols. 8, 9, insert  $65^{\circ}1241a$ . Var. Insert footnote, No. 5781. W. Draconis.
- „ No. 5782, Cols. 8, 9, *dele.*  $65^{\circ}1244$ ,  $9^{\circ}5$ .
127. No. 6736, Cols. 8, 9, insert  $65^{\circ}1406$ ,  $8^{\circ}5$ . No. 6737, Col. 8, for  $1406$ , read  $1406a$ ; Col. 9, for  $8^{\circ}5$ , read  $9^{\circ}3$ .
131. Col. 1, for  $1754$ ,  $1755$ ,  $1756$ , read  $7154$ ,  $7155$ ,  $7156$ .
146. No. 8749, Cols. 8, 9, insert  $65^{\circ}1818$ ,  $9^{\circ}5$ .
209. *Footnote*, for No. 5858. Variable, read No. 5858. X Draconis.
238. *Line 1 of 2nd heading*, for  $23^h 0^m 30^s$ , read  $23^h 0^m 10^s$ .
249. No. 502, Col. 8, for  $146$ , read  $144$ .
263. *Footnote*, for 1911, read 1910.
- „ No. 1994, Cols. 8, 9, insert  $67^{\circ}424a$ ,  $8^{\circ}5$ .
- „ Insert footnote, No. 1994. The R.A. given in the B.D. appears to be 1 minute too large.
276. *Footnote*, for 3296, read 3295. For 3297, read 3296 in both cases.
360. Insert footnote, No. 2391. S. Camelopardi.
369. No. 3361, Cols. 8, 9, insert  $69^{\circ}458$ ,  $9^{\circ}3$ .
370. No. 3406, Col. 5, for  $48$ , read  $4^*$ .
371. *Footnote*, for  $1'$ , read  $1^m$ .
375. Two stars which should have been measured between Nos. 3945 and 3946 are entered on page 473, Nos. 4217, 4218.
382. No. 4665, Col. 1, for  $4665$ , read  $4656$ .
399. *Footnote*, for  $20^s$ , read  $40^s$ .
441. No. 880, Col. 8, for  $183$ , read  $133$ .
463. Nos. 3241, 3242, Cols. 8, 9, raise figures one line.
499. No. 7031, Cols. 8, 9, insert  $70^{\circ}945$ ,  $9^{\circ}5$ .
538. No. 489, Col. 6, for  $10^{\circ}4252$ , read  $14^{\circ}4252$ .
543. No. 1110, Cols. 8, 9, insert  $70^{\circ}141$ ,  $9^{\circ}5$ .
552. No. 2063, Col. 2, *dele.* §.
555. No. 2339, Cols. 8, 9, insert  $70^{\circ}312$ ,  $9^{\circ}5$ .
- „ *Line 37*, Col. 1, for  $2340$ , read  $2352a$ .
558. *Line 1 of 2nd heading*, for  $5^h 20^m$ , read  $5^h 30^m$ .
- „ No. 2755, Cols. 2, 3, 4, lower figures one line.



# ERRATA.

## PAGE

564. *Line 1 of 2nd heading, for 6<sup>h</sup> 47<sup>m</sup>, read 6<sup>h</sup> 48<sup>m</sup>.*
569. No. 3960, Col. 2, *dele. §.*
571. No. 4155, Col. 6, *for 8'4153, read 20'4153.*
579. *Footnote, for 55<sup>s</sup>8, read 58<sup>s</sup>5.*
583. *Line 1 of 2nd and 3rd headings, for 12<sup>h</sup> 40<sup>m</sup>, read 12<sup>h</sup> 48<sup>m</sup>.*  
*„ Footnote, insert 5540 between 5496 and 5601.*
592. No. 6457, Col. 3, *for 2'60252, read 22'6025.*
634. No. 163, Cols. 8, 9, *transfer the figures to No. 177, dele. footnote.*
639. No. 714, *for (3), read 3\*.* No. 717, *for 3\*, read (3).*
640. No. 815, Col. 5, *insert §.*
643. No. 1149, Cols. 8, 9, *raise figures one line.*
651. No. 2038, Col. 6, *for 10'6895, read 16'6895.*
657. No. 2729, Col. 6, *for 25'0215, read 15'0215.*
658. No. 2829, Col. 3, *for 4'2136, read 14'2136.*
672. No. 4472, Col. 3, *for 01'9690, read 10'9690.*
673. No. 4503, Cols. 8, 9, *transfer figures to No. 4513.*
675. No. 4715, Cols. 8, 9, *raise figures one line.*
677. No. 4933, Col. 7, *for 1'33584, read 13'3584.*  
*„ Line 36 (2nd half), Col. 7, for 8'6287, read 8'6487.*
678. *Line 32 (1st half), Col. 3, for 25'3709, read 25'3579.*
679. *Line 3 of 3rd heading, for 1897 March 8, read 1894 March 8, and for 1897 March 28, read 1893 March 28.*
687. No. 6048, Col. 4, *for 15'1838, read 16'1838.*
689. No. 6220, Col. 9, *for 9'0, read 9'3.*
704. No. 7928, Cols. 8, 9, *raise figures one line.*  
*„ No. 7931, Cols. 8, 9, lower figures one line.*
706. *Line 2 of 2nd and 3rd headings, transpose 18<sup>h</sup> 24<sup>m</sup> and 18<sup>h</sup> 36<sup>m</sup>.*
712. *Line 2 of 2nd and 3rd headings, for 20<sup>h</sup> 20<sup>m</sup>, read 20<sup>h</sup> 0<sup>m</sup>.*  
*„ No. 8784, Col. 9, for 6'5, read 9'5.*
715. *Footnote, for 9077, read 9075.*
727. No. 10396, Col. 6, *for 25'3059, read 25'2059.*









ASTROGRAPHIC EQUATORIAL.



# GREENWICH ASTROGRAPHIC CATALOGUE

1900.

VOL. I.

## INTRODUCTION.

### I. HISTORICAL SUMMARY.

ON the invitation of the French Academy of Sciences, an International Congress on Astronomical Photography, at which fifty-six representative Astronomers from all parts of the world were present, was held at Paris in 1887 April. A scheme was approved of for the photographic mapping of the heavens by the concerted action of a number of observatories in both hemispheres. According to this scheme two sets of photographs, each covering  $2^{\circ}$  by  $2^{\circ}$  on a scale of  $1^{\text{mm}}$  to  $1'$ , are taken, one with long exposure ( $40^{\text{m}}$ ) to form a photographic map of the whole sky (Astrographic Chart), and the other with short exposures ( $6^{\text{m}}$ ,  $3^{\text{m}}$ , and a supplementary exposure of  $20^{\text{s}}$ ) from which a catalogue of reference stars would be formed. Each set is taken in duplicate, the centres of one series being at the corners of the other series. A *réseau* of cross-lines  $5^{\text{mm}}$  apart is photographed on each plate to facilitate the determination of positions of stars. The Astronomer Royal, who attended the conference as delegate of the Royal Society, stated shortly afterwards (May 21st), in his Report to the Board of Visitors, that it seemed fitting that Greenwich should take its share in a scheme which would, in a few years, so greatly extend our knowledge of the places of the fixed stars. At the meeting of the Board of Visitors on June 8, on the proposition of Mr Warren de la Rue, seconded by Dr (now Sir W.) Huggins, the Board of Visitors recommended that provision should be made to enable the Royal Observatory at Greenwich to take part in the scheme agreed upon at the Paris International Congress on Astronomical Photography, and that steps should be immediately taken to provide the Royal Observatory with a suitable instrument, and the desirability of the Greenwich and Cape observatories taking part in the photographic mapping of the heavens was further urged by a deputation from the Royal Astronomical Society. The sanction of the Treasury to the necessary outlay was obtained in 1888 August, and instructions were immediately given to Sir Howard Grubb, with whom the Astronomer Royal had been previously in communication as to the details of the required telescope and the estimated cost, to proceed at once with its construction. The instrument was received in 1890 May and erected in the 18-foot dome which had been completed in 1888 June.

Between 1890 May and 1891 May the instrument was brought into working order, various details of plate-holders, *réseaux*, etc., being arranged. Work with the instrument remained in an experimental stage till 1891 December. Among other things, photographs were taken to test the distortion of the object-glass; photometric

experiments with various exposures were made with wire and perforated metal screens in front of the object-glass; different photographic plates were tried; and the various adjustments of the equatorial and telescope were perfected. In 1891 December the regular series of photographs for the Greenwich Zones, extending from Dec.  $64^{\circ}$  N to the Pole, was begun, an exposure of  $40^m$  being given for the Chart plates, and exposures of  $6^m$ ,  $3^m$ , and  $20^s$ , for the Catalogue plates. The following table shows the number and distribution of the photographs assigned to the Royal Observatory:—

*Distribution of the Photographs for the Astrographic Chart and Catalogue in the part of the Sky assigned to Greenwich.*

Dec. of Centre of Plate.	R. A. of Centre of first Plate in Zone.	Interval between Centres.	Number of Plates in Zone.	Dec. of Centre of Plate.	R. A. of Centre of first Plate in Zone.	Interval between Centres.	Number of Plates in Zone.
°	h m	m		°	h m	m	
65	0. 9	18	80	78	0. 0	30	48
66	0. 0	18	80	79	0. 20	40	36
67	0. 10	20	72	80	0. 0	40	36
68	0. 0	20	72	81	0. 20	40	36
69	0. 10	20	72	82	0. 0	40	36
70	0. 0	20	72	83	0. 30	60	24
71	0. 12	24	60	84	0. 0	60	24
72	0. 0	24	60	85	0. 30	60	24
73	0. 12	24	60	86	0. 0	90	16
74	0. 0	24	60	87	0. 45	90	16
75	0. 15	30	48	88	0. 0	120	12
76	0. 0	30	48	89	1. 30	180	8
77	0. 15	30	48	90			1

The photographs of a great majority of these fields, with the exception of those within  $10^{\circ}$  of the Pole, were taken before 1898 May, the latter being deferred till this date for convenience, as being nearer the epoch 1900.

It was found in 1898 that a number of photographs had suffered considerably owing to the effect of damp in the building in which they were stored pending the completion of the New Observatory building. These were replaced by other photographs, and throughout the course of the measurements of the photographs a general revision of the Catalogue plates took place, inferior plates being rejected. Plates which have not been measured have been preserved in all cases where they are of any value. Consecutive numbers (scratched on the glass with a diamond) have been given to the photographs taken with the Astrographic telescope, whether they belonged to the series for the Astrographic Chart and Catalogue or not. The following table gives the limiting numbers of the photographs taken each year:—

Year	Nos.	Year	Nos.
1890	1—25	1895	2423—2969
1891	26—230	1896	2970—3334
1892	231—717	1897	3335—3808
1893	718—1728	1898	3809—4219
1894	1729—2422	1899	4220—4758



Experimental measures of some of the photographs were begun in 1893, the earliest measured being photographs of the Pleiades, which showed that the optical distortion was negligible to a distance of 60' from the centre of the plate, and very small at a distance of 80' from the centre. These measures demonstrated the necessity of some alterations of the micrometer which would secure more rapid measurement of the plates. For this purpose, a suggestion of Prof. Turner's was adopted, of having a glass diaphragm with perpendicular scales in the focal plane of the measuring microscope. The intersection of the scales is placed at the centre of the star's image, and the positions of the *réseau* lines relatively to the scales are read.

The results of some experimental measures, of which a short account is given in a paper by the Astronomer Royal and Mr Dyson in the *Monthly Notices of the Royal Astronomical Society* for 1894 December, were considered so far satisfactory that systematic measurement of the plates was begun in 1894 October.

To further accelerate the measurement, and at the same time to bring together measures of the same star on two overlapping plates, a duplex micrometer was arranged by which the same field on two overlapping plates is measured simultaneously. This instrument was brought into use in 1895 February 21, and all measures since that date were made with it. In 1896 June, as a result of the meeting of the Astrographic Committee at Paris, it was decided to duplicate the measurement of the Catalogue plates—the plates being reversed in the micrometer for the second series of measures. The part of the sky measured before this date comprised Zones 65°, 66°, and 67°, and parts of Zones 64° and 68°. When the measurement of this area was finished, it was arranged that from Dec. 68° the same measurer should make the measures in the direct and reversed positions, as this appeared to almost entirely eliminate errors arising from personality of measurement. At the beginning of the measurement the 6<sup>m</sup> and 3<sup>m</sup> images were both measured by the same person; from 1896 June 10 the 6<sup>m</sup> and 3<sup>m</sup> images were always measured by different persons. The following table gives approximate dates of the measurements:—

*Date of Measurement of Photographs.*

1894 Oct.—Dec. 31.	Zones 65°, 66°, 67°, 68°. From R. A. 18 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> , in direct position of plates.
1895 Jan. 1—Dec. 31.	Zones 65°, 66°, 67° completed from R. A. 11 <sup>h</sup> to 24 <sup>h</sup> in direct position of plates.
1896 Jan. 1—June 10.	Zones 65°, 66°, 67° from 0 <sup>h</sup> to 11 <sup>h</sup> , and Zone 64° from 0 <sup>h</sup> to 6 <sup>h</sup> 30 <sup>m</sup> in direct position of plates.
1896 June 10—Nov. 25.	Zone 65° measured in reversed position.
1896 Nov. 25—1897 Jan. 19.	Zone 64°, 6 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 40 <sup>m</sup> in direct position, and from 0 <sup>h</sup> to 10 <sup>h</sup> 40 <sup>m</sup> in reversed position.
1896 Jan. 19—1897 June 1.	Zone 66° in reversed position of plates.

1897 June 1—1897 Sept. 6.	Zone 64°	from 10 <sup>h</sup> 40 <sup>m</sup> to 24 <sup>h</sup>	in both direct and reversed positions of plate.
1897 Sept. 6—1897 Dec. 31.	Zone 67°	in reversed position of plates.	
1898 Feb. 1—1898 Aug. 18.	Zone 68°	Direct and reversed.	
1898 Aug. 19—1899 Jan. 31.	Zone 69°	,,	,,
1899 Feb. 1—1899 Aug. 5.	Zone 70°	,,	,,
1899 Aug. 5—1899 Dec. 31.	Zone 71°	,,	,,

The photographs were taken under Mr Criswick's direction till his retirement on 1896 January 31, and from that date, under the direction of Mr Hollis. The measurement of the plates was begun under Mr Criswick's charge, but was transferred to the care of Mr Hollis in 1895 March 25. The following persons took part in the measures of the photographs :—

			Initials.
Miss Everett	.	1894 Oct.—1895 July	A.E.
Mr Davidson	.	1894 Oct.—1895 July	C.D.
,,	,,	1896 June—1897 Dec. 31	,,
,,	Johns	1894 Oct.—1897 May	J.
,,	Stevens	1895 July—	W.S.
,,	Melotte	1895 Nov. 22—1902 Dec. 31	P.M.
,,	Skells	1896 Jan. 23—1899 Nov. 4	E.S.
,,	Evans	1897 Sept.—	E.
,,	Stiles	1897 Sept. 9—1902 Sept. 30	St.
,,	Oakley	1899 Nov. 8—1899 Dec. 31	O.

## II. THE INSTRUMENT.

THE photographs were taken with the instrument which is called in the Greenwich Observations the *Astrographic Equatorial*. It is mounted in a dome of 18 feet diameter, erected over Bradley's old Quadrant Room, 57 feet W. and 4 feet N. of the centre of the transit-circle. The dome is covered with papier-mâché on angle-iron, and has a sectorial shutter coming to a point at the zenith and opening  $\frac{1}{8}$ th of the circumference at the horizon. This shutter was blown off in a gale of wind on 1894 Dec. 22, and the instrument was out of use till 1895 Feb. 2 while the shutter was being repaired, more secure fastenings being provided.

The pier on which the instrument rests is built on the top of the old Quadrant Pier, firmly connected to the walls of the building below, but carefully isolated from the upper storey and observing floor. The instrument is at a height of 30 feet above the ground.

The instrument was constructed by Sir Howard Grubb, F.R.S., on the lines laid down by the *Congrès Astrophotographique Internationale pour le Levé de la Carte*



*du Ciel* in 1887, and its general form is shown in the illustration at the beginning of this volume. It consists of a 13-inch photographic telescope and a parallel 10-inch visual guiding telescope in steel tubes firmly connected, mounted equatorially in the German form. The apertures of the object-glasses are  $13^{\text{in}}\cdot 0$  or  $0^{\text{m}}\cdot 33$  and  $10^{\text{in}}\cdot 0$  or  $0^{\text{m}}\cdot 25$  respectively, and the focal lengths of both are  $3^{\text{m}}\cdot 43$  or  $135^{\text{in}}\cdot 1$ , so that the scale of a plate placed in the focal plane is  $1^{\text{mm}}$  to  $1'\cdot 0$ . [More exactly, the focal length of the photographic telescope is  $3^{\text{m}}\cdot 441$  or  $135^{\text{in}}\cdot 4$ : so that  $1^{\text{mm}}$  represents  $0'\cdot 9990$ ]. The photographic telescope is corrected as regards spherical and chromatic aberration for rays near Fraunhofer's line G. It is arranged to carry a plate  $16^{\text{cm}}$  square, with special provision for exact focussing and orientation. The eye-piece of the 10-inch visual telescope is mounted on cross slides parallel and perpendicular to the equator, which are furnished with scales reading to  $\frac{1}{12}^{\text{th}}$  of a millimetre or  $5''$ , and permit of the observation of a guiding star to a distance of  $45'$  from the centre of the field. The mounting is arranged so as to allow of a motion of  $1\frac{1}{2}$  hours beyond the meridian on each side without reversing the telescope. A large counterpoise is necessary, both because of the double weight, and of the distance from the polar axis of the two telescopes; but the movement in right ascension is very easy, owing to the arrangement adopted to relieve the friction of the polar axis. The greater part of both the transverse and end thrusts of the polar axis is received on a single anti-friction bearing, carried by a separate vertical column, disposed directly under the centre of gravity of the instrument. The rollers of the bearing turn round horizontal axes, and a bevelled collar on the polar axis rests on them. The column transmits the weight to counterweight levers. The driving clock is placed inside the stand and is controlled electrically by a seconds pendulum. The detector of the control is similar in principle to that used in Sir David Gill's form; and the system of correction by differential wheels was devised by Sir Howard Grubb (vide *Proceedings, Institute of Mechanical Engineers*, 1888 July 31, page 311).

The photographs for the Astrographic Chart and Catalogue were all taken with the telescope west of the pier, and, in most cases, within one hour of the meridian. In this position the guiding telescope is below the Photographic telescope when the instrument is pointing North. The photographs, whose measures are given in this volume, were all taken between 1892 April 2 and 1900 May 28. The focal adjustment was made so that the plate was placed somewhat within the focus for the centre of the plate, *i.e.*, focussed on a point about  $40'$  from the centre so as to equalize the definition as far as practicable over the field. During the whole period no alteration was made in the focal adjustment or in the tilt of the object-glass, though the latter was verified from time to time. The object-glass was taken off and cleaned in 1897 July, and replaced without altering the adjustments.

The photographic plate rests on three rounded agate points which can be adjusted by screws. The tilt of the plate was determined by means of a small collimating telescope with cross wires mounted on a clear glass plate which was placed on the agates in the same manner as a photographic plate. A point at the centre of the object-glass being examined in reversed positions of the small collimator.

Observations and adjustments for the tilt of the plate were made as follows :—

- 1893 Nov. 1. Tilt found to be  $-18'.5$  and  $-1'.5$  in the  $x$  and  $y$  directions, and altered to  $+2'$  and  $-1'$  respectively.
- 1894 Feb. 10. One of the agate points was broken. A new one was inserted the next day.
- 1894 Sept. 10. Tilt found to be  $+6'.3$  and  $-4'.0$ .
- 1894 Sept. 17. Tilt altered to  $+2'.0$  and  $+0'.8$ .
- 1896 Mar. 5. Tilt found to be  $+1'.8$  and  $+0'.2$ .
- 1897 Aug. 6. Tilt found to be  $+1'.2$  and  $+0'.8$ .
- 1899 Nov. 1. Tilt found to be  $+1'.0$  and  $+1'.4$ .

*Uniformity of the Field at different Distances from the Centre.*

Counts were made for Zone  $71^\circ, 0^h-12^h$  of the number of stars in each square of the *réseau*. The squares at equal distances from the centre were then taken together, there being four for those squares on the diagonals and eight for the remainder. The totals for each equidistant set are given in column 2 of the following table, the numbers being doubled for the squares on the diagonals and for the four central squares, in order to facilitate comparison :—

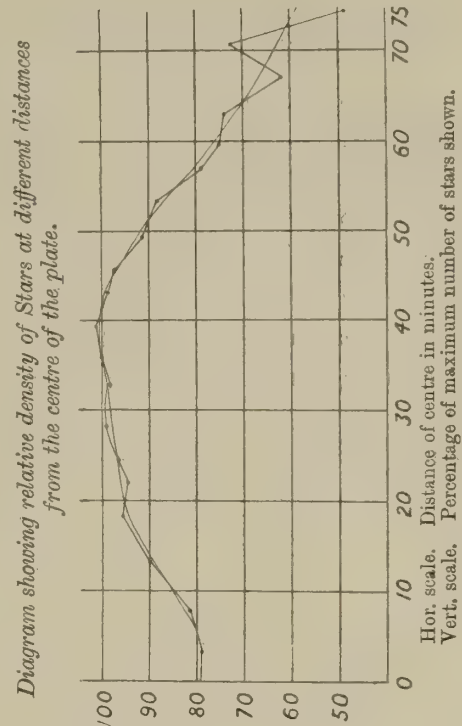
*Number of Stars contained in Eight Réseau Squares in Zone  $71^\circ, 0^h-12^h$ , for different Distances from the Centre of the Plate.*

Distance from Centre.	Number of Stars.	Number of Squares.	Distance from Centre.	Number of Stars.	Number of Squares.	Distance from Centre.	Number of Stars.	Number of Squares.	Distance from Centre.	Number of Stars.	Number of Squares.
3'.5	132	4	30'.2	155	8	43'.7	139	8	54'.9	144	8
7'.9	136	8	31'.8	146	4	44'.3	167	8	55'.3	135	8
10'.6	156	4	32'.6	164	8	46'.0	164	8	56'.7	125	8
12'.7	139	8	32'.6	171	8	46'.0	163	4	57'.1	149	8
14'.6	157	8	33'.4	162	8	46'.5	157	8	57'.6	121	8
						47'.6	162	8			
17'.7	169	8	34'.8	178	8				59'.3	121	8
17'.7	160	8	35'.5	152	8	48'.1	159	8	60'.1	116	4
19'.0	145	4	36'.9	171	8	48'.1	179	8	60'.5	134	8
			37'.6	165	8	49'.1	178	8			
21'.5	156	8				49'.6	126	8	61'.7	123	8
22'.6	158	8	38'.2	171	8	50'.6	145	8	63'.7	132	8
			38'.9	180	4	50'.6	140	8	64'.5	113	8
23'.7	167	8	39'.5	155	8						
24'.7	148	4	39'.5	180	8	52'.6	154	8	67'.2	108	4
25'.7	159	8				52'.6	136	8	67'.5	101	8
			41'.4	161	8	53'.0	170	4			
27'.6	161	8	42'.6	162	8	53'.0	139	8	70'.8	121	8
28'.5	176	8	42'.6	190	8	53'.5	156	8			
28'.5	167	8	43'.2	160	8	54'.9	155	8	74'.2	82	4



Grouping the numbers as indicated by the lines in the above table, we obtain the following table and diagram, a smoothed curve being drawn through points found by taking means and means again :—

Distance from Centre.	Number of Stars.	Percentage.	Weight.
3.5	132	79	1
7.9	136	82	2
13.1	150	90	5
18.2	158	95	5
22.1	157	94	4
24.7	160	96	5
28.7	165	99	8
32.7	163	98	7
36.2	166	100	8
39.0	170	102	7
43.5	163	98	12
46.6	161	97	7
49.4	155	92	12
53.7	146	88	15
57.1	132	79	6
59.9	125	75	5
63.3	123	74	6
67.4	103	62	3
70.8	121	73	2
74.2	82	49	1



The values read from the curve of the relative density at different distances give :—

Distance from Centre.	Number of Stars.	Distance from Centre.	Number of Stars.	Distance from Centre.	Number of Stars.
0	79	30	98	60	76
5	79	35	100	65	68
10	85	40	100	70	63
15	92	45	97	75	58
20	95	50	92		
25	97	55	88		

These numbers are in general agreement with the results found by Prof. Turner for other object-glasses.

#### *Adjustments of Equatorial.*

The adjustments of the polar axis of the Equatorial were verified at frequent intervals by taking two exposures on the pole at one hour's interval, the clock driving between the exposures. The distance apart and relative direction of the two images of each star on the plate gives the errors of the polar axis. These errors were generally less than 20".

The control pendulum of the equatorial was adjusted to correct for refraction at the mean declination at which the photographs were being taken.

The effect of good adjustment of the polar axis and suitable rating of the clock is to minimise the work of the observer in keeping the guiding star bisected.

The orienting screw, which rotates the camera of the photographic telescope, was moved occasionally in order to correct for the inclination of the equator of the date at which a photograph was taken to that of 1900·0. Examination of the orientation of some plates in 1896 showed an error of about 6' in the inclination of the telescope to the declination axis, and an equal error in the inclination of the declination axis to the polar axis. The changes of orientation arising from these errors, especially on plates near the pole, made it desirable to correct them mechanically. In 1896 December, thin plates of copper were inserted between the cradle of the telescope and the declination axis, and in the cube of the cross-head; these errors were thus reduced; each to 0'·6, one-tenth of their former amount.

### III. PHOTOGRAPHIC.

For the photographs for the *Astrographic Catalogue*, three exposures of 6<sup>m</sup>, 3<sup>m</sup> and 20<sup>s</sup> respectively are given. The guiding telescope contains four spider lines forming a square of 20", and the three exposures are made with the guiding star on three of the corners of this square in succession, the displacement of the telescope between the 6<sup>m</sup> and 3<sup>m</sup> images being in declination and between the 6<sup>m</sup> and 20<sup>s</sup> images in right ascension. A preliminary examination is made of all the photographs and none are kept unless stars of the 9th magnitude on the B. D. scale are well shown with the exposure of 20<sup>s</sup>.

In this volume all the stars of which an image is shown with 20<sup>s</sup> exposure are indicated, and it will be seen that the above limit is generally exceeded, and that, on the average, stars of magnitude 9<sup>m</sup>·5 of the B. D. scale are shown with this exposure.

The most sensitive plates were used, either the Ilford "Special Rapid," Mawson and Swan's "Special Rapid," or the Barnet "Rocket" plates. The kind of plate used is noted in each case in the table pp. ix.

The plates whose numbers are less than 4007, *i.e.*, plates taken before 1898 May, were developed with Eikonogen, those having larger numbers with Pyro-soda.

The *réseau* which is photographed on each plate to facilitate the measurement, as mentioned on p. i, is a film of silver on glass on which lines are traced with a ruling machine in perpendicular directions at a distance of 5<sup>mm</sup> apart.

The *réseau* is usually imprinted on the plates before the star photographs are taken, and in any case before development of the plate. For this purpose a photographic dark slide, containing a silver on glass *réseau* and an unexposed photographic plate almost in contact with the ruled surface of the *réseau* but



separated from it by thin pieces of platinum foil at the corners, is mounted outside the object glass of the telescope and exposed for a sufficient time to an electric light in the focus of the telescope. Till 1899 Sept. 13 a small five candle-power lamp was used, and the exposures ranged from 50 seconds, when the lamp was new, to about 120 seconds when it was old. Since this date a sixteen candle-power focus lamp has been used and an exposure of about 4 seconds given.

Till 1896 Aug. the separation of the photographic surface from the silver on glass *réseau* was approximately  $0^{\text{mm}}\cdot 5$ . The photographs of the *réseau* thus obtained when viewed in the micrometer were somewhat broad and woolly. The separation was diminished to about  $0^{\text{mm}}\cdot 2$  and fine *réseaux* lines were obtained, but at the expense of the silver on glass *réseaux*, which were liable to be in contact with any plate which was not quite plane, and were in consequence scratched, and could not be used for so long a period.

On a suggestion made by Mr Hinks (*Monthly Notices of the Royal Astronomical Society*, vol. LIX. p. 530), in 1899 August, M. Gautier, from whom the *réseaux* were obtained, was requested to rule broader lines: in this way the breadth of the diffraction image was diminished, and equally fine lines were obtained with the new *réseaux* when printed with a separation of  $\cdot 33^{\text{mm}}$  from the photographic surface.

*List of Photographs of which measures are given in this Volume.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°		
322	1892 Apr. 2	10 48	66	10. 49	30.22	43.2	49.7	Ilford
325	Apr. 8	10. 12	66	9. 25	29.85	43.6	44.2	"
331 <sup>a</sup>	Apr. 9	11. 33	65	11. 47	29.83	43.6	49.5	"
336	Apr. 11	12. 9	65	12. 14	29.81	42.5	49.1	"
345	Apr. 25	12. 45	65	12. 15	29.72	40.6	45.1	"
346	"	13. 39	65	13. 3	29.72	41.0	45.5	"
359	Apr. 29	15. 9	65	13. 16	29.96	33.6	40.0	"
392	May 23	16. 39	65	15. 21	29.84	52.7	56.6	"
397	May 28	15. 30	67	15. 40	29.80	51.0	56.9	"
419	June 10	16. 10	67	16. 14	29.70	57.8	62.0	Mawson
420	"	16. 30	69	16. 49	29.70	57.0	...	"
423	June 13	16. 21	65	16. 12	30.04	42.8	47.0	"
426	"	19. 39	65	18. 39	30.04	41.5	...	"
427	June 15	16. 48	66	15. 32	29.87	50.0	55.0	"
437	June 20	16. 57	65	16. 32	29.75	49.8	53.0	"
441	June 23	18. 0	66	17. 19	29.74	51.3	54.5	Ilford
443	"	18. 54	66	18. 24	29.76	50.5	...	"
444	"	19. 12	66	18. 49	29.76	50.2	...	"
446	June 24	17. 24	66	16. 52	29.90	53.0	59.0	"
452	June 29	18. 40	68	18. 13	30.17	48.2	54.2	Mawson
522	Aug. 29	21. 0	66	20. 42	29.55	61.5	64.7	Ilford
531	Aug. 30	0. 30	69	0. 38	29.51	56.2	59.0	"
534	Sept. 3	19. 21	65	19. 50	29.70	50.2	...	"
535	"	20. 51	65	20. 31	29.71	49.0	...	"
536	"	21. 9	65	21. 17	29.72	49.1	...	"
556	Sept. 14	23. 30	67	23. 14	30.05	52.5	56.0	"
559	Sept. 15	23. 6	66	23. 48	29.74	52.9	56.9	Mawson
561	"	0. 40	68	1. 7	29.68	54.3	57.9	"

*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
587	1892 Oct. 3	1. 30	67	1. 14	29.57	45.8	49.0	Mawson
615	Oct. 10	2. 20	68	3. 4	29.83	38.4	43.0	Ilford
633	Oct. 25	1. 0	68	0. 53	29.66	37.0	42.6	Mawson
640	Nov. 1	23. 30	69	23. 14	29.74	40.0	...	Ilford
658	Nov. 30	1. 48	66	1. 14	30.08	33.5	...	„
660	Dec. 2	23. 10	67	22. 31	29.99	34.9	42.2	„
669	Dec. 5	6. 0	70	5. 24	29.62	29.0	33.0	„
697	Dec. 23	3. 40	70	3. 3	29.88	31.4	36.0	„
703	Dec. 24	2. 30	67	2. 6	29.80	27.8	...	„
706	Dec. 25	2. 40	68	1. 0	29.78	27.7	31.9	„
715	Dec. 30	3. 20	68	2. 31	29.64	30.0	35.0	„
720	1893 Jan. 2	3. 0	68	2. 31	29.87	24.2	31.1	„
724	Jan. 4	3. 0	66	2. 8	30.22	26.4	34.8	„
725	„	6. 40	68	6. 46	30.21	23.3	29.2	„
726	„	7. 30	66	7. 13	30.20	23.3	28.2	„
739	Jan. 27	3. 20	70	3. 8	29.83	35.8	39.0	„
748	Feb. 5	3. 9	65	3. 13	30.22	33.3	36.7	Mawson
763	Feb. 8	7. 12	66	6. 51	29.78	37.6	43.6	Ilford
765	„	9. 0	68	7. 58	29.78	36.5	42.5	„
767	„	9. 20	68	9. 6	29.80	35.0	41.0	„
769	„	10. 0	68	10. 9	29.80	34.7	40.7	„
771	„	11. 0	68	11. 15	29.80	34.0	40.0	„
776	Feb. 10	6. 36	66	6. 28	29.61	45.4	50.1	„
781	Feb. 11	8. 0	68	8. 46	29.51	38.3	41.7	„
786	Feb. 14	6. 0	66	6. 14	29.36	43.2	47.2	„
792	Feb. 16	7. 30	67	7. 17	29.60	41.0	...	„
797	Feb. 25	5. 42	66	5. 36	29.23	34.6	38.4	„
807	Mar. 1	6. 9	65	5. 56	29.52	48.0	50.0	„
811	Mar. 4	9. 10	67	8. 49	30.06	45.5	48.5	„
813	Mar. 8	6. 54	66	5. 59	30.16	50.5	55.0	„
816	„	8. 0	70	7. 44	30.15	48.5	53.0	„
832	Mar. 11	8. 40	68	7. 39	30.06	42.2	46.9	Mawson
834	„	9. 40	68	8. 57	30.04	39.9	44.6	„
836	„	10. 40	68	10. 17	30.01	40.3	43.1	„
849	Mar. 17	7. 39	65	7. 24	29.86	38.9	42.3	Ilford
850	„	7. 57	65	7. 43	29.87	38.4	41.8	„
852	„	8. 51	65	8. 24	29.88	37.6	41.0	„
853	„	9. 9	65	8. 41	29.89	37.4	40.8	„
854	„	9. 27	65	9. 10	29.90	37.0	40.4	„
855	„	9. 45	65	9. 25	29.90	36.7	40.1	„
856	„	10. 3	65	9. 41	29.91	36.4	39.8	„
859	„	10. 50	67	11. 6	29.90	35.3	38.7	Mawson
862	„	12. 10	67	11. 55	29.91	35.4	38.8	„
865	„	13. 30	67	12. 46	29.91	35.4	38.8	„
872	Mar. 18	8. 42	66	9. 17	30.21	32.4	37.2	Ilford
877	Mar. 19	8. 10	67	7. 50	30.27	36.5	40.0	„
879	„	8. 50	69	8. 42	30.27	35.0	38.5	„
891	Mar. 21	9. 20	70	9. 15	30.23	39.5	47.3	„
899	Mar. 23	9. 18	66	9. 52	30.18	46.1	51.0	„
918	Mar. 25	11. 20	68	11. 48	30.28	39.0	45.6	Mawson
920	„	12. 40	68	12. 58	30.28	37.6	43.7	„
934	Mar. 28	10. 0	72	10. 49	30.01	39.7	45.0	„
938	Mar. 29	11. 24	66	10. 36	29.94	42.0	50.9	„
940	„	12. 0	66	11. 14	29.94	40.5	48.0	„
941	„	12. 18	66	11. 33	29.94	39.8	47.6	„
942	„	12. 36	66	11. 49	29.94	39.5	47.3	„
951	Apr. 2	9. 54	66	9. 31	30.15	45.7	52.1	Ilford
962	Apr. 3	13. 30	66	13. 46	30.10	38.0	43.2	„
1024	Apr. 21	14. 48	72	14. 58	30.06	48.2	53.0	Mawson



*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
1046	1893 Apr. 24	14. 40	68°	14. 52	29.90	48.0	53.5	Ilford
1048	"	16. 0	68	16. 2	29.90	47.5	53.0	"
1126	May 14	15. 24	71	14. 39	29.81	54.0	60.0	"
1130	"	17. 0	70	17. 23	29.78	51.2	57.0	"
1134	May 17	15. 40	70	14. 54	29.48	53.4	58.2	"
1135	"	16. 0	70	15. 10	29.48	53.0	58.0	"
1137	May 18	14. 12	71	14. 47	29.58	50.7	55.2	"
1142	May 22	15. 20	70	15. 35	29.87	53.6	59.3	"
1146	"	18. 0	70	18. 2	29.87	51.7	56.8	"
1204	June 17	18. 0	72	17. 18	30.27	60.0	69.3	"
1236	June 24	19. 30	66	19. 28	29.61	49.8	53.3	Mawson
1241	June 27	18. 36	71	18. 44	29.57	56.0	59.7	"
1242	"	19. 24	71	19. 6	29.56	56.6	59.7	"
1246	June 28	19. 0	70	18. 51	29.74	55.5	59.2	"
1274	July 7	19. 3	65	18. 55	29.76	64.3	72.4	Ilford
1280	July 9	19. 20	70	18. 54	29.82	56.7	63.4	"
1288	July 14	21. 20	68	20. 40	29.85	49.8	54.8	"
1321	Aug. 2	18. 45	65	18. 12	29.80	60.0	63.0	"
1324	"	19. 40	70	19. 40	29.80	57.7	60.7	"
1334	Aug. 5	21. 27	65	21. 11	29.93	52.5	56.4	"
1377	Aug. 17	21. 36	72	21. 20	29.89	70.4	76.3	Mawson
1397	Aug. 24	19. 40	68	19. 25	30.08	59.9	63.5	"
1398	"	20. 20	68	19. 38	30.08	59.4	63.0	"
1416	Sept. 2	20. 10	67	20. 44	30.11	56.0	60.0	"
1503	Sept. 23	22. 0	72	21. 52	29.61	40.5	45.2	"
1545	Oct. 18	20. 40	68	20. 33	30.15	48.5	54.1	"
1548	Oct. 22	0. 10	67	0. 26	30.19	44.8	50.3	"
1549	"	0. 30	67	0. 54	30.19	44.3	49.8	"
1579	Nov. 6	23. 48	71	23. 38	30.00	38.8	41.5	"
1587	Nov. 9	21. 18	66	21. 10	30.05	39.5	...	"
1588	"	21. 36	66	21. 24	30.05	39.3	...	"
1593	Nov. 12	22. 3	65	22. 44	30.13	36.0	41.0	"
1598	"	1. 50	67	1. 7	30.11	37.0	38.6	"
1610	Nov. 17	2. 33	65	3. 26	28.91	39.3	41.9	"
1613	Nov. 22	22. 57	65	22. 14	29.83	38.0	44.0	"
1631	Dec. 1	0. 45	65	0. 21	29.90	31.1	37.8	"
1632	"	1. 3	65	0. 47	29.90	31.1	36.6	"
1633	"	1. 39	65	1. 2	29.90	31.1	35.7	"
1634	"	2. 10	67	1. 17	29.93	31.0	36.1	"
1636	"	1. 10	69	1. 47	29.93	30.4	35.0	"
1640	"	2. 51	65	2. 51	29.97	28.8	33.2	"
1641	"	2. 50	67	3. 6	29.97	28.4	32.7	"
1645	"	4. 10	67	4. 2	30.03	27.7	31.8	"
1646	"	4. 30	67	4. 16	30.03	27.7	31.4	"
1647	"	4. 50	67	4. 39	30.04	27.8	31.3	"
1648	"	5. 10	67	4. 53	30.06	27.2	31.2	"
1649	"	5. 50	67	5. 18	30.06	27.1	31.0	"
1650	"	5. 15	65	5. 33	30.06	27.1	30.9	"
1653	"	6. 27	65	6. 17	30.08	27.0	30.6	"
1654	"	6. 45	65	6. 31	30.08	26.9	30.4	"
1656	Dec. 2	23. 51	65	0. 35	30.29	27.0	32.4	"
1675	Dec. 7	4. 20	68	4. 39	29.63	38.7	41.2	"
1678	Dec. 8	1. 24	71	1. 6	29.22	45.7	47.5	"
1681	Dec. 9	0. 36	66	23. 45	29.35	38.2	43.6	"
1691	Dec. 14	2. 24	66	2. 13	30.05	36.0	43.0	"
1693	"	3. 0	71	3. 3	30.10	35.0	40.5	"
1695	"	4. 36	71	5. 15	30.12	34.0	39.5	"
1697	Dec. 16	3. 10	69	2. 43	30.31	42.4	47.5	"

*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
1698	1893 Dec. 16	3. 30	69	3. 14	30.30	42.0	47.1	Mawson
1699	"	4. 50	69	3. 37	30.30	41.8	46.9	"
1701	Dec. 21	2. 48	72	2. 53	29.55	36.5	41.5	"
1703	"	4. 0	72	3. 41	29.57	36.3	41.1	"
1705	"	5. 12	72	6. 3	29.62	36.0	40.0	"
1707	Dec. 22	5. 40	68	5. 45	29.79	41.2	46.4	"
1708	"	6. 10	67	6. 6	29.80	41.0	46.2	"
1710	"	7. 10	67	7. 8	29.81	39.8	45.0	"
1718	Dec. 29	2. 0	70	1. 48	30.58	33.7	40.0	"
1722	Dec. 30	1. 48	71	1. 33	30.50	31.5	37.7	"
1747	1894 Jan. 12	6. 30	67	6. 14	30.01	44.0	45.0	"
1749	Jan. 18	4. 0	68	4. 34	29.60	43.0	48.0	"
1759	Jan. 28	5. 30	67	5. 45	29.62	34.0	38.2	"
1762	Jan. 30	5. 6	66	4. 17	29.55	39.8	44.7	"
1769	Feb. 3	5. 20	68	4. 24	30.19	41.8	47.2	"
1774	Feb. 4	7. 3	65	6. 7	30.23	46.6	48.4	"
1777	Feb. 8	7. 10	69	6. 45	30.13	40.7	45.7	"
1785	Feb. 12	6. 50	69	6. 26	29.52	38.3	41.4	"
1786	"	7. 40	70	7. 0	29.52	38.0	41.1	"
1787	"	7. 0	70	7. 28	29.53	37.8	40.9	"
1788	"	8. 30	69	8. 17	29.53	37.6	40.9	"
1789	"	9. 10	69	8. 34	29.53	37.5	40.8	"
1793	Feb. 13	3. 50	69	3. 41	29.96	38.8	44.4	"
1794	"	4. 10	69	3. 55	29.96	38.7	44.3	"
1814	Feb. 20	6. 48	72	6. 41	30.23	29.7	34.9	"
1820	Feb. 24	5. 36	72	5. 34	29.70	40.5	44.0	"
1838	Feb. 28	5. 48	71	6. 23	30.05	42.8	46.7	"
1855	Mar. 4	8. 36	71	8. 33	30.00	42.2	43.7	"
1856	Mar. 8	7. 50	69	7. 41	29.53	40.5	45.0	"
1858	"	9. 48	71	9. 11	29.55	40.0	44.5	"
1859	"	10. 12	71	9. 38	29.56	39.8	44.3	"
1861	Mar. 11	7. 40	68	6. 47	29.50	41.9	45.6	"
1863	"	9. 30	67	8. 45	29.50	41.3	44.2	"
1885	Mar. 21	8. 50	67	9. 5	30.16	39.0	45.4	"
1899	Mar. 26	8. 30	67	8. 5	29.90	43.0	52.9	"
1919	Mar. 31	9. 30	69	9. 4	29.79	51.6	58.3	"
1921	Apr. 1	11. 10	67	11. 16	29.90	49.8	54.9	"
1932	Apr. 3	9. 50	67	8. 48	29.71	46.8	56.1	"
1933	"	9. 40	70	9. 25	29.79	44.2	54.1	"
1934	"	10. 20	70	9. 43	29.79	45.0	53.0	"
1954	Apr. 6	14. 10	69	13. 14	29.87	42.6	46.9	"
1955	"	13. 0	71	13. 28	29.86	42.2	46.8	"
1957	"	13. 48	71	13. 54	29.86	41.9	46.6	"
1960	Apr. 8	11. 30	69	11. 31	29.80	54.8	60.1	"
1975	Apr. 10	11. 0	71	11. 46	29.92	48.2	56.6	"
1978	"	13. 36	72	13. 58	29.85	47.2	53.0	"
1995	Apr. 21	13. 3	65	13. 32	29.88	38.6	44.0	"
1998	Apr. 22	10. 50	69	10. 33	29.62	40.0	48.8	"
2000	"	11. 10	69	11. 48	29.60	38.5	47.3	"
2022	May 7	12. 27	65	12. 0	29.82	50.2	54.6	"
2030	May 10	15. 28	68	14. 57	29.68	44.5	46.8	"
2033	May 12	13. 50	67	13. 34	29.96	45.7	50.4	"
2034	"	14. 10	67	13. 49	29.96	45.3	50.0	"
2042	May 17	15. 30	69	15. 3	30.03	50.5	55.0	"
2044	"	15. 27	65	15. 36	30.03	50.0	54.5	"
2046	"	16. 3	65	16. 45	30.03	48.0	52.9	"
2048	"	17. 15	65	17. 48	30.02	46.5	51.3	"
2050	May 20	14. 20	70	14. 15	29.80	38.7	44.2	"
2051	May 21	13. 50	69	13. 24	29.84	40.3	46.6	"



*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
2056	1894 May 21	16. 50	67	15. 38	29.85	37.6	42.3	Mawson
2057	"	16. 40	68	16. 0	29.85	37.3	41.6	"
2058	"	17. 0	68	16. 15	29.85	37.1	41.4	"
2059	"	16. 50	69	16. 32	29.85	36.7	40.9	"
2074	May 31	14. 33	65	14. 31	29.74	47.0	50.9	"
2081	June 21	15. 50	69	16. 23	30.09	55.0	61.7	"
2136	July 11	19. 0	68	18. 46	29.33	51.5	56.9	"
2148	July 19	18. 30	67	18. 29	29.79	55.0	59.0	"
2152	July 26	19. 36	72	19. 0	29.87	58.8	64.0	"
2227	Sept. 18	19. 20	68	19. 42	30.01	53.3	57.5	"
2251	Sept. 28	19. 50	67	20. 2	30.16	47.9	52.7	"
2270	Oct. 12	19. 57	65	19. 41	30.18	50.9	57.3	"
2279	Oct. 14	20. 24	66	21. 24	29.89	42.8	47.2	"
2280	"	20. 33	65	21. 38	29.89	42.3	46.6	"
2283	"	22. 12	66	22. 26	29.89	41.5	45.7	"
2287	Oct. 15	0. 27	65	0. 33	29.99	41.1	45.1	"
2288	Oct. 16	19. 10	67	19. 41	30.00	44.4	47.2	"
2289	"	19. 30	67	19. 58	30.00	44.0	47.0	"
2290	"	19. 48	66	20. 16	30.01	43.0	46.8	"
2291	"	19. 50	69	20. 35	30.01	42.4	46.0	"
2294	"	20. 40	70	21. 44	30.02	40.7	44.9	"
2298	Oct. 22	0. 50	69	0. 34	29.74	39.8	43.0	"
2303	Oct. 24	23. 24	66	23. 51	29.07	53.7	...	"
2304	"	0. 0	68	0. 15	29.08	53.8	...	"
2306	Oct. 25	20. 0	68	20. 19	28.99	51.6	55.1	"
2307	"	20. 20	70	20. 38	29.00	51.6	55.0	"
2308	"	20. 42	66	20. 59	29.01	51.6	55.0	"
2309	Oct. 27	22. 20	70	22. 31	29.29	50.2	52.6	"
2310	Oct. 28	20. 30	67	20. 35	29.59	47.2	51.8	"
2311	"	20. 50	67	21. 7	29.59	47.0	51.6	"
2312	"	21. 10	67	21. 22	29.59	47.0	51.6	"
2313	"	21. 30	67	21. 38	29.59	47.0	51.5	"
2314	"	21. 20	70	21. 53	29.58	47.0	51.4	"
2315	"	21. 40	70	22. 11	29.58	47.0	51.4	"
2316	"	21. 50	67	22. 28	29.60	47.1	50.2	"
2322	Nov. 5	1. 40	68	2. 8	29.95	48.0	52.0	"
2323	"	2. 15	65	2. 25	29.96	47.5	51.5	"
2328	Nov. 6	20. 30	69	21. 21	30.00	47.0	52.0	"
2331	"	22. 10	67	22. 38	30.00	45.2	49.8	Rocket
2333	"	23. 50	67	23. 44	29.98	45.5	48.1	"
2334	"	1. 21	65	1. 28	29.96	44.3	47.1	Mawson
2338	Nov. 8	20. 6	66	20. 52	29.55	44.0	49.1	"
2354	Nov. 18	22. 0	68	21. 53	30.06	44.1	48.6	"
2358	Nov. 19	22. 30	69	23. 12	30.17	46.6	49.7	"
2359	"	22. 40	68	23. 28	30.17	46.4	49.5	"
2367	"	3. 45	65	3. 48	30.15	43.7	45.5	"
2369	"	4. 21	65	4. 18	30.15	43.6	45.3	"
2370	"	3. 54	66	4. 34	30.15	43.7	45.2	"
2372	Nov. 21	23. 0	70	23. 4	30.28	39.4	43.7	"
2373	"	23. 20	70	23. 19	30.28	39.0	43.3	"
2375	"	0. 0	70	23. 49	30.29	38.7	43.0	"
2376	"	0. 9	65	0. 16	30.28	38.4	43.0	"
2377	"	1. 20	68	1. 22	30.28	38.7	42.7	"
2378	"	1. 20	70	1. 38	30.28	38.7	42.5	"
2379	"	1. 40	70	1. 53	30.28	38.7	42.3	"
2380	"	1. 57	65	2. 8	30.28	37.7	42.0	"
2381	"	2. 0	68	2. 24	30.28	37.3	41.7	"
2382	"	2. 6	66	2. 38	30.28	37.1	41.3	"
2395	Nov. 25	21. 30	69	21. 39	30.19	38.6	42.7	"

*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.			
2397	1894 Nov. 25	22. 30	67	22. 9	30.19	38.6	42.7	Mawson
2404	Nov. 30	2. 42	66	2. 37	30.36	41.0	46.0	"
2406	Dec. 8	1. 10	67	1. 1	29.93	41.0	43.2	"
2417	Dec. 18	6. 0	68	6. 22	29.35	40.0	44.0	"
2418	Dec. 19	3. 18	66	3. 26	29.60	43.3	45.6	"
2419	"	3. 36	66	3. 53	29.60	43.3	45.6	"
2421	"	4. 48	66	4. 55	29.62	43.0	45.3	"
2423	1895 Feb. 25	6. 20	68	7. 5	29.80	31.5	36.2	"
2425	"	7. 21	65	7. 49	29.81	31.2	35.4	"
2433	Mar. 3	8. 10	69	8. 3	29.50	28.0	37.0	"
2458	Mar. 18	6. 50	67	7. 19	29.98	53.5	48.2	"
2460	"	7. 48	66	7. 51	29.98	52.0	46.5	"
2463	"	9. 0	66	9. 43	29.95	45.0	48.9	Rocket
2469	Mar. 21	10. 30	69	10. 45	29.81	50.0	53.0	Mawson
2471	Mar. 22	7. 30	69	8. 19	29.86	52.1	55.7	Rocket
2475	"	9. 36	66	9. 20	29.88	48.5	53.9	"
2477	"	10. 10	69	9. 51	29.87	46.0	52.7	"
2478	"	10. 21	65	10. 7	29.87	45.2	52.0	Mawson
2486	Mar. 24	8. 20	68	8. 2	29.34	46.5	49.4	Rocket
2495	Mar. 28	8. 15	65	8. 37	28.87	41.7	46.0	"
2497	"	10. 39	65	10. 31	28.87	40.8	45.1	"
2499a	Mar. 29	8. 24	66	8. 50	29.08	44.0	43.7	Mawson
2500	"	9. 24	71	9. 27	29.09	43.8	43.0	Rocket
2502	"	11. 15	65	10. 41	29.11	43.5	42.0	"
2504	Mar. 31	7. 48	71	8. 13	29.45	47.0	46.2	"
2509	Apr. 7	9. 0	71	9. 12	29.52	40.1	43.8	Mawson
2521	Apr. 10	11. 42	66	11. 11	30.04	50.2	54.0	Rocket
2522	"	11. 51	65	11. 28	30.05	50.0	53.8	Mawson
2524	"	12. 30	67	12. 5	30.06	49.0	53.0	"
2525	"	12. 50	67	12. 23	30.08	48.7	52.7	Rocket
2526	"	12. 54	66	12. 40	30.08	47.7	51.9	"
2531	Apr. 11	12. 20	70	12. 27	30.21	46.5	50.0	"
2537	Apr. 14	13. 12	66	12. 11	30.08	36.4	41.5	Mawson
2549	Apr. 23	11. 30	67	11. 16	29.61	48.0	52.7	Rocket
2551	"	12. 20	68	11. 56	29.62	47.4	51.8	"
2553	"	13. 20	68	13. 9	29.62	45.0	50.2	"
2554	"	13. 21	65	13. 26	29.62	44.9	50.0	"
2555	"	13. 57	65	13. 40	29.63	44.6	49.7	"
2556	"	13. 40	68	13. 56	29.62	44.4	49.5	Mawson
2557	"	13. 48	66	14. 13	29.62	44.2	49.1	Rocket
2559	"	14. 24	66	14. 42	29.62	44.2	49.0	"
2560	"	14. 42	66	14. 57	29.62	44.0	48.8	Mawson
2562	Apr. 24	11. 40	68	12. 0	29.55	51.0	55.2	Rocket
2564	"	13. 10	69	12. 48	29.54	49.2	52.8	"
2566	"	14. 0	68	13. 19	29.54	48.7	52.3	"
2568	"	14. 15	65	13. 57	29.53	47.0	51.9	"
2569	"	14. 30	67	14. 13	29.53	47.0	50.3	"
2570	"	14. 50	67	14. 37	29.53	47.0	50.0	"
2573	Apr. 28	12. 48	72	12. 39	30.02	43.6	48.2	Mawson
2579	May 1	11. 48	71	11. 11	30.24	42.9	48.6	Rocket
2587	May 2	13. 12	72	12. 46	30.48	45.3	52.8	"
2591	May 4	12. 0	68	12. 12	30.32	45.6	52.1	"
2592	"	13. 0	68	12. 26	30.32	45.2	51.7	Mawson
2593	"	14. 6	66	13. 39	30.31	42.5	50.0	"
2594	"	14. 20	68	13. 58	30.31	42.0	49.5	"
2595	"	15. 0	68	14. 14	30.31	41.8	47.6	"
2605	May 6	15. 10	67	14. 53	30.17	52.6	56.2	"
2606	"	15. 36	66	15. 9	30.17	52.6	56.0	"
2623	May 10	13. 24	71	13. 34	30.07	51.0	56.0	Rocket



*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
2636	1895 May 27	14. 30	69	14. 30	30.28	47.2	55.8	Rocket
2638	"	14. 50	69	15. 0	30.28	46.0	55.2	"
2639	"	14. 51	65	15. 19	30.28	45.3	54.8	"
2641	May 29	13. 10	67	14. 2	29.94	55.2	62.1	Mawson
2651	June 2	16. 12	66	16. 2	29.93	50.2	56.1	"
2652	"	16. 30	67	16. 18	29.93	49.2	55.0	Rocket
2653	"	16. 20	68	16. 34	29.93	48.8	54.5	"
2654	June 5	15. 0	66	14. 36	30.21	56.2	61.4	"
2655	"	15. 18	66	14. 53	30.21	55.6	60.8	"
2656	"	15. 40	68	15. 13	30.21	54.5	59.7	"
2657	"	15. 45	65	15. 38	30.21	53.3	58.5	"
2658	"	15. 50	67	16. 1	30.21	52.8	58.0	"
2659	"	15. 54	66	16. 29	30.21	52.4	57.5	"
2660	"	16. 30	66	16. 56	30.21	51.5	56.6	"
2661	"	17. 6	66	17. 8	30.21	51.0	56.0	"
2662	"	17. 10	67	17. 30	30.21	50.6	55.6	"
2665	June 6	15. 10	69	14. 44	30.13	51.5	56.1	"
2666	June 8	14. 36	71	15. 16	30.00	56.0	60.4	"
2667	"	15. 0	71	15. 29	30.00	55.7	...	"
2668	"	14. 40	70	15. 46	30.00	55.0	...	"
2669	"	15. 0	70	16. 0	30.00	55.0	63.8	"
2670	"	16. 10	69	16. 25	30.00	54.7	...	"
2671	"	17. 10	69	16. 47	30.00	54.3	...	"
2672	"	17. 33	65	17. 17	29.99	54.0	60.4	"
2673	"	17. 51	65	17. 33	29.99	53.9	59.8	"
2676	June 12	16. 12	71	16. 9	30.05	46.9	54.3	Mawson
2678	"	17. 36	72	16. 44	30.05	46.2	52.7	"
2680	"	18. 10	69	17. 55	30.05	44.2	51.0	"
2682	June 16	17. 20	68	16. 49	29.85	54.1	57.8	Rocket
2683	"	17. 40	68	17. 4	29.85	54.1	57.4	"
2684	"	18. 0	68	17. 18	29.84	54.0	57.0	"
2685	"	18. 20	68	17. 33	29.84	53.8	56.8	"
2686	"	17. 30	67	17. 49	29.84	53.5	56.5	"
2687	"	17. 50	67	18. 8	29.84	53.3	56.2	"
2688	"	18. 10	67	18. 21	29.84	51.6	55.9	"
2689	"	18. 18	66	18. 36	29.84	51.2	55.6	Mawson
2690	"	18. 36	66	18. 50	29.84	51.0	55.3	"
2691	"	18. 50	67	19. 10	29.84	50.4	54.9	"
2696	June 17	17. 42	66	16. 43	29.79	46.9	53.0	"
2697	"	18. 9	65	17. 0	29.78	46.0	52.5	"
2698	"	17. 20	70	17. 19	29.78	45.2	51.9	"
2699	"	17. 40	70	18. 2	29.77	46.0	50.9	"
2700	"	18. 27	65	18. 20	29.77	45.9	50.8	"
2704	June 19	17. 24	71	17. 22	29.71	51.0	57.3	Rocket
2705	"	17. 48	71	17. 36	29.71	50.5	56.8	"
2708	June 20	16. 24	72	16. 23	30.07	57.5	62.5	"
2710	"	18. 20	70	17. 37	30.08	54.5	62.0	"
2717	June 24	17. 12	72	17. 16	30.36	52.6	62.9	"
2718	"	18. 12	71	17. 33	30.36	52.2	62.1	"
2721	"	18. 24	72	18. 58	30.35	50.8	58.4	Mawson
2722	"	19. 12	72	19. 27	30.35	50.2	57.1	"
2742	July 7	19. 48	71	19. 31	30.11	58.0	63.6	Rocket
2743	"	20. 0	70	19. 49	30.11	57.2	63.3	Mawson
2744	"	20. 0	72	20. 6	30.10	57.0	63.3	Rocket
2745	"	20. 12	71	20. 28	30.10	56.2	62.3	Mawson
2746	"	20. 36	71	20. 45	30.10	55.9	62.0	Rocket
2768	July 22	20. 10	69	20. 40	29.72	53.8	58.2	Mawson
2769	July 26	20. 15	65	18. 42	29.69	63.0	67.2	"
2771	Aug. 2	21. 10	69	21. 12	29.56	54.0	58.0	"

*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m		h m	in.	°	°	
2773	1895 Aug. 4	21. 24	71	21. 15	29.35	50.3	56.0	Rocket
2774	"	21. 48	71	21. 28	29.35	50.0	54.0	"
2776	Aug. 6	21. 0	68	20. 39	29.59	54.3	57.6	Mawson
2777	"	21. 54	66	21. 58	29.59	53.0	55.5	Rocket
2822	Sept. 2	23. 20	68	0. 21	29.95	56.4	60.0	Mawson
2831	Sept. 9	22. 21	65	22. 1	29.87	63.5	68.0	Rocket
2834	"	23. 15	65	23. 53	29.85	68.3	68.1	Mawson
2835	Sept. 10	22. 39	65	23. 5	29.69	55.6	62.0	Rocket
2837	"	22. 48	66	23. 32	29.69	54.9	61.1	"
2838	"	23. 0	68	23. 55	29.68	54.3	60.0	"
2839	"	0. 10	69	0. 9	29.68	54.0	59.7	"
2840	"	0. 36	71	0. 24	29.68	53.6	59.3	"
2844	Sept. 16	19. 0	71	19. 44	30.13	59.0	62.8	"
2853	Sept. 18	21. 0	70	21. 28	29.97	59.0	63.0	"
2859	Sept. 19	22. 30	66	22. 32	30.14	49.0	53.2	"
2860	"	22. 50	67	23. 7	30.15	48.0	52.7	"
2866	Sept. 20	0. 0	66	23. 50	30.25	47.2	50.7	"
2867	"	0. 18	66	0. 22	30.25	47.1	50.6	"
2868	"	0. 54	66	0. 47	30.25	47.0	50.5	"
2870	Sept. 21	21. 40	68	21. 29	30.27	49.5	55.0	"
2871	"	22. 12	71	22. 1	30.27	48.8	54.3	"
2887	Sept. 25	22. 50	69	23. 1	30.21	63.5	68.6	"
2888	"	23. 40	70	23. 28	30.21	63.0	68.0	"
2900	Sept. 30	23. 40	68	23. 53	29.81	56.8	61.3	"
2902	Oct. 2	23. 33	65	23. 12	29.52	42.3	47.4	"
2906	Oct. 4	22. 48	72	22. 31	29.66	43.2	48.8	"
2908	"	23. 0	71	23. 16	29.68	41.9	47.4	"
2918	Oct. 16	0. 50	67	1. 1	30.25	41.4	44.8	"
2921	Oct. 17	0. 20	68	0. 1	30.40	42.0	47.0	"
2922	"	0. 20	70	0. 23	30.40	40.0	45.0	"
2923	"	1. 12	66	0. 47	30.40	39.0	44.0	"
2924	Oct. 18	0. 24	72	23. 27	30.33	45.0	48.7	"
2937	Nov. 13	23. 50	69	0. 0	29.73	46.5	47.9	"
2943	Nov. 14	22. 36	71	22. 15	29.77	48.5	52.0	"
2947	"	1. 30	66	1. 3	29.87	46.0	49.2	"
2948	"	2. 0	72	1. 16	29.88	45.5	48.7	"
2950	Nov. 17	21. 45	65	22. 1	30.08	45.6	49.2	"
2955	"	2. 30	69	2. 0	30.16	40.5	43.8	"
2963	Dec. 3	3. 10	67	2. 24	29.91	41.0	44.6	"
2965	"	3. 27	65	3. 24	29.92	41.3	43.2	"
2967	Dec. 10	4. 39	65	4. 32	29.88	35.0	39.3	"
2968	"	4. 57	65	4. 49	29.88	34.5	38.8	"
2971	1896 Jan. 15	4. 0	70	4. 9	29.51	40.7	42.7	"
2975	"	6. 10	69	6. 15	29.58	40.7	42.7	"
2976	"	6. 30	69	6. 49	29.61	40.7	42.7	"
2979	Jan. 17	5. 24	66	5. 40	30.07	43.3	48.2	"
2981	Jan. 28	4. 3	65	4. 11	30.42	38.6	43.0	"
2986	Feb. 2	4. 12	66	4. 27	30.47	31.7	37.5	"
2987	"	4. 30	66	4. 41	30.47	31.5	37.3	"
2988	"	4. 40	68	5. 5	30.47	31.3	35.7	"
2990	Feb. 3	3. 12	72	3. 12	30.51	34.8	39.4	"
2991	"	3. 24	71	3. 37	30.51	34.4	38.6	"
2992	"	3. 40	68	4. 1	30.51	34.0	38.0	"
2993	"	4. 12	71	4. 25	30.51	34.0	37.5	"
2994	"	5. 0	68	4. 53	30.51	34.0	37.0	"
2995	Feb. 4	3. 50	67	4. 45	30.43	35.0	41.9	"
2997	"	5. 50	69	6. 28	30.43	35.1	40.1	"
3012	Feb. 11	7. 20	70	7. 21	30.30	40.7	44.0	"
3015	Feb. 22	3. 30	67	4. 32	29.95	33.2	41.1	"



*List of Photographs of which measures are given in this Volume—continued.*

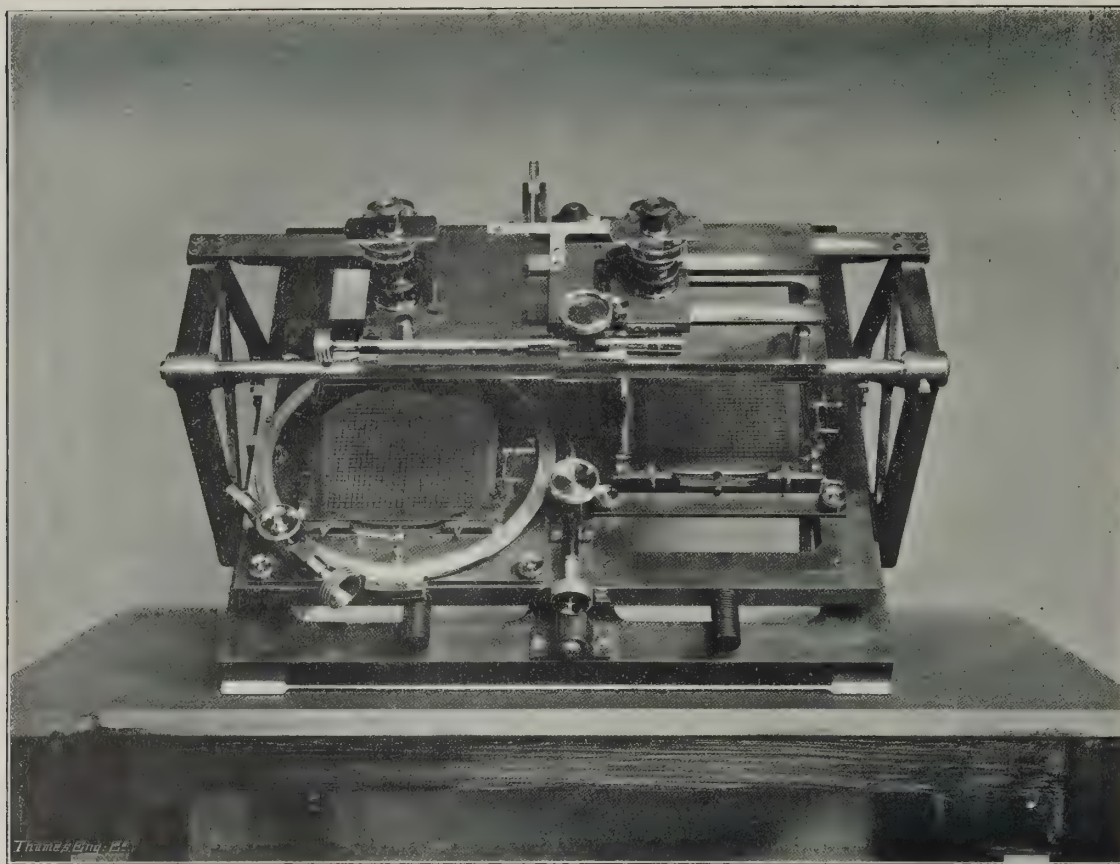
No.	Date.	Centre.		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	ins.	°	°	
3017	1896 Feb. 22	4. 24	72	5. 30	29.96	32.8	38.1	Rocket
3018	"	5. 33	65	6. 2	29.96	32.5	37.3	"
3019	"	5. 51	65	6. 35	29.97	32.4	37.2	"
3022	Feb. 25	6. 40	70	6. 54	29.99	26.0	33.1	"
3023	"	7. 36	72	7. 27	29.98	26.0	33.1	"
3024	"	8. 0	72	8. 16	29.97	25.2	31.7	"
3032	Mar. 19	7. 50	67	8. 6	29.88	41.1	46.9	"
3038	Mar. 23	6. 18	66	7. 26	29.87	54.0	58.0	"
3039	"	7. 0	68	7. 40	29.87	53.0	57.3	"
3041	"	8. 33	65	8. 28	29.87	51.5	56.0	"
3046	Mar. 27	12. 0	72	12. 15	29.84	35.7	43.0	"
3061	Apr. 8	10. 20	68	9. 15	30.13	53.6	57.0	"
3068	Apr. 10	11. 6	66	11. 55	30.05	43.5	48.2	Ilford
3079	Apr. 15	10. 10	67	10. 5	30.14	41.7	47.4	Rocket
3087	Apr. 21	12. 50	69	12. 33	30.29	41.6	49.0	Ilford
3088	Apr. 22	15. 12	72	14. 25	30.08	46.0	50.0	Rocket
3093	Apr. 23	13. 20	70	12. 52	30.12	41.5	47.1	Ilford
3099	Apr. 26	13. 30	69	12. 59	30.04	53.7	56.2	Rocket
3104	Apr. 28	10. 30	66	11. 10	29.66	49.7	54.7	"
3105	"	10. 30	67	11. 30	29.66	49.0	54.0	"
3123	May 4	10. 57	65	11. 39	30.27	44.2	52.2	"
3171	June 16	18. 40	70	18. 39	29.66	61.5	66.1	"
3213	July 31	18. 48	72	19. 39	29.85	55.8	61.0	"
3227	Aug. 13	21. 12	72	21. 18	29.92	60.5	64.3	"
3239	Sept. 9	22. 20	68	21. 56	29.58	58.0	61.3	"
3251	Sept. 23	18. 30	69	19. 41	29.56	51.8	54.0	"
3253	"	20. 50	69	20. 55	29.58	50.3	52.9	"
3256	"	23. 24	71	0. 12	29.65	48.0	49.9	"
3260	Sept. 28	23. 10	69	22. 56	29.92	45.7	48.2	"
3263	Sept. 30	22. 10	69	21. 47	30.37	48.3	54.0	"
3264	"	22. 40	70	22. 43	30.37	46.7	53.4	"
3267	Oct. 4	22. 24	72	21. 47	29.35	46.0	50.3	"
3271	Oct. 9	19. 30	69	20. 18	29.72	56.0	51.1	"
3277	Oct. 18	20. 48	72	21. 20	29.18	39.0	45.3	"
3292	Oct. 29	23. 42	66	23. 57	29.55	38.9	42.9	"
3297	Nov. 4	1. 30	69	1. 8	30.30	37.0	38.9	"
3298	"	2. 10	69	1. 42	30.30	37.0	38.9	"
3303	Nov. 6	1. 0	71	1. 42	29.99	34.2	40.0	"
3340	1897 Jan. 25	7. 0	71	6. 47	29.49	30.1	35.4	"
3354	Feb. 7	4. 30	69	4. 22	29.97	34.2	37.8	"
3359	Feb. 17	5. 20	70	5. 19	30.28	37.0	45.2	"
3361	"	7. 20	68	6. 6	30.27	36.0	44.2	"
3372	Feb. 27	6. 0	72	5. 55	30.16	43.0	49.0	"
3376	Mar. 3	6. 36	71	6. 31	29.17	39.1	42.4	"
3378	"	8. 6	66	7. 55	29.19	38.7	42.0	"
3409	Apr. 4	10. 40	70	10. 10	29.68	36.1	41.6	"
3529	June 12	17. 50	69	17. 41	30.16	58.4	72.4	Ilford
3540	June 14	18. 50	69	18. 41	30.10	54.5	61.7	Rocket
3637	Sept. 18	2. 24	72	2. 28	29.57	41.0	45.6	"
3652	Oct. 3	0. 40	70	1. 0	30.16	48.5	50.0	"
3660	Oct. 4	0. 0	72	23. 56	30.29	47.0	43.5	"
3684	Oct. 25	1. 36	72	0. 57	30.09	43.3	47.6	Ilford
3688	"	3. 36	72	3. 37	30.10	42.9	47.0	"
3706	Oct. 31	2. 36	71	2. 9	30.20	45.9	49.7	"
3711	Nov. 13	2. 12	71	1. 41	29.56	53.8	53.8	"
3740	Dec. 2	2. 50	69	2. 57	30.05	36.0	...	"
3803	Dec. 28	6. 12	71	6. 0	29.77	43.5	...	Rocket
3819	1898 Jan. 7	9. 0	70	8. 49	30.02	34.0	...	Ilford

*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre.		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R.A.	Dec.					
3824	1898 Jan. 10	h m 5. 30	69°	h m 5. 30	in. 30.18	° 33.0	° 44.8	Ilford
3841	Feb. 4	2. 40	70	3. 10	29.27	35.5	43.0	„
3844	„	5. 10	69	4. 45	29.30	34.7	40.6	„
3862	Feb. 18	5. 40	70	6. 14	29.76	34.9	42.6	Rocket
3871	Feb. 26	4. 48	72	5. 18	29.95	40.9	46.6	„
3877	Feb. 27	10. 0	70	9. 41	29.77	37.5	42.3	Ilford
3890	Mar. 2	10. 24	72	9. 51	29.62	36.9	42.0	„
3907	Mar. 20	11. 50	67	11. 47	30.07	33.5	40.5	„
3910	Mar. 21	7. 12	72	7. 38	30.05	44.3	49.0	„
3925	Mar. 31	11. 36	72	11. 33	29.71	37.0	42.9	„
3956	Apr. 16	11. 50	69	11. 43	29.90	45.7	48.8	„
3964	Apr. 18	12. 10	69	11. 53	29.68	39.8	45.6	„
3968	Apr. 21	11. 0	70	11. 8	30.08	39.8	45.1	„
3972	„	14. 24	72	13. 55	30.07	37.0	43.0	„
3975	Apr. 22	11. 20	70	11. 45	29.90	39.0	44.7	„
3980	Apr. 23	11. 12	72	11. 26	30.00	38.9	47.8	„
3984	Apr. 24	11. 40	70	11. 33	30.06	35.8	46.0	„
3990	Apr. 27	12. 0	70	11. 56	29.48	48.9	53.5	„
3995	Apr. 30	12. 40	70	12. 42	29.64	46.7	49.6	„
4001	May 12	12. 30	69	13. 18	29.40	40.3	46.8	Rocket
4002	May 14	12. 24	72	13. 27	29.72	47.3	51.9	„
4006	May 17	16. 40	70	17. 20	30.03	42.0	...	„
4007	May 18	13. 0	70	13. 8	30.02	42.0	47.1	„
4014	May 22	13. 40	70	14. 11	29.63	52.5	...	„
4018	June 6	14. 0	70	15. 8	29.80	57.4	...	Ilford
4023	June 7	17. 0	71	17. 25	29.95	51.5	57.7	„
4029	June 19	17. 30	69	16. 58	30.02	60.1	67.4	„
4033	June 21	15. 36	72	16. 16	29.73	57.8	62.9	„
4050	July 8	9. 10	69	19. 41	30.16	52.0	57.6	„
4061	July 14	21. 50	69	21. 13	30.02	57.6	63.2	„
4095	Aug. 19	1. 0	70	23. 36	30.02	60.2	...	„
4097	„	1. 50	69	0. 21	30.02	59.6	...	Rocket
4115	Sept. 20	2. 20	70	0. 50	29.96	53.0	57.5	Ilford
4134	Sept. 25	3. 0	70	3. 0	29.95	42.5	50.1	„
4156	Oct. 24	4. 20	70	4. 10	29.83	47.0	53.9	„
4157	„	4. 40	70	4. 26	29.83	46.6	53.5	„
4158	„	5. 0	70	4. 41	29.83	46.0	53.2	„
4182	Nov. 5	3. 48	71	3. 13	29.84	45.6	45.2	„
4196	Dec. 15	6. 20	70	5. 33	30.15	42.6	45.2	„
4199	Dec. 19	5. 0	71	5. 44	30.08	37.5	37.8	„
4203	„	8. 20	70	7. 49	30.10	35.5	35.7	„
4204	„	8. 40	70	8. 6	30.11	35.3	35.4	„
4370	1899 Mar. 14	5. 24	71	6. 35	30.33	46.7	...	„
4371	„	7. 24	71	6. 57	30.33	46.4	...	„
4373	„	8. 12	71	8. 10	30.33	45.3	...	„
4376	„	10. 36	71	10. 16	30.32	41.1	44.9	„
4377	„	12. 12	71	10. 34	30.32	41.0	44.8	„
4381	Mar. 15	6. 24	72	7. 15	30.27	46.0	...	„
4399	Mar. 23	9. 36	72	10. 14	29.73	28.2	33.8	„
4412	Apr. 17	11. 24	71	11. 2	29.82	40.0	...	„
4440	May 4	12. 36	71	12. 20	30.20	40.2	...	„
4446	„	16. 20	70	15. 35	30.22	36.8	43.0	„
4481	May 25	16. 36	71	17. 21	29.91	39.0	42.9	„
4549	July 8	21. 0	71	20. 17	30.03	59.5	...	„
4551	„	20. 24	72	20. 49	30.03	58.0	...	„
4569	July 19	22. 0	70	21. 51	29.89	63.0	...	„
4600	Aug. 9	0. 48	72	23. 21	30.05	53.3	...	„
4601	„	1. 12	72	23. 43	30.05	53.0	57.0	„







DUPLEX MICROMETER.

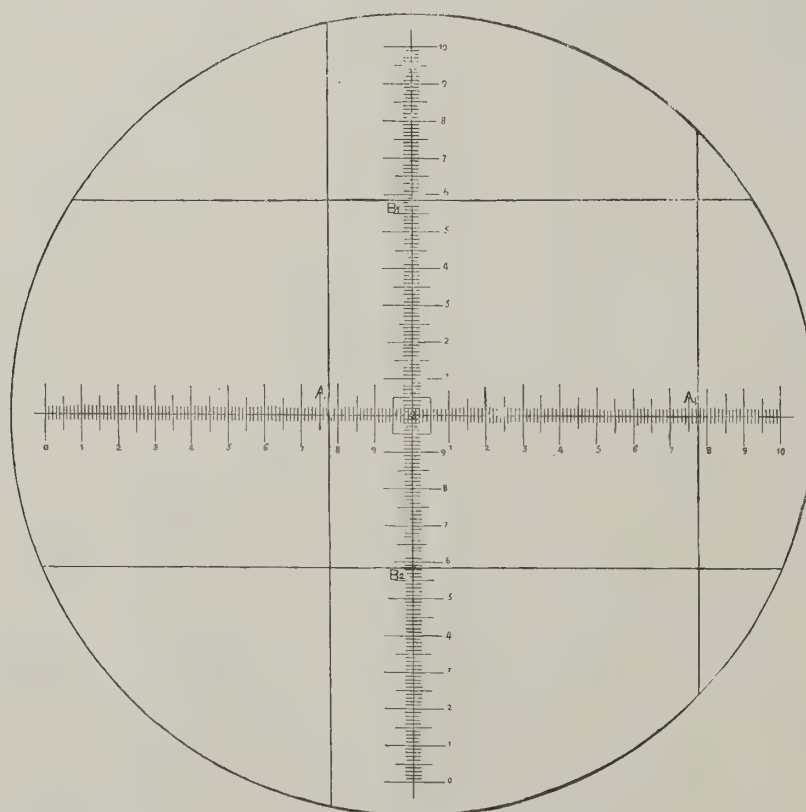


DIAGRAM OF GLASS DIAPHRAGM.

[To face p. *viz.*



*List of Photographs of which measures are given in this Volume—continued.*

No.	Date.	Centre.		Sidereal Time.	Barometer.	Exterior Thermometer.	Interior Thermometer.	Plate.
		R. A.	Dec.					
		h m	°	h m	in.	°	°	
4612	1899 Aug. 11	0. 12	71	23. 6	30.17	55.4	60.4	Ilford
4703	Oct. 2	23. 36	72	0. 35	29.87	43.3	48.0	, ,
4757	Dec. 25	23. 12	72	0. 4	29.72	36.0	40.9	Rocket
4762	1900 Jan. 2	8. 24	72	7. 48	29.31	43.5	...	, ,
4763	, ,	8. 48	72	8. 6	29.30	43.0	...	, ,
4764	, ,	9. 12	72	8. 20	29.30	43.0	48.2	, ,
4797	Jan. 24	10. 48	72	9. 7	29.84	41.8	44.3	Ilford
4807	Jan. 27	9. 50	69	10. 35	29.19	32.9	35.9	, ,
4871	Mar. 29	14. 0	72	12. 58	29.79	31.5	36.5	Rocket
4944	Apr. 28	16. 0	72	15. 22	29.85	39.6	...	, ,
4968	May 10	16. 48	72	15. 48	29.90	39.2	43.7	Ilford
4985	May 28	15. 48	71	14. 36	30.19	56.7	60.0	Rocket

#### IV. MEASUREMENT OF THE PHOTOGRAPHS.

##### (i) *Description of the Micrometer.*

With very few exceptions all the measures were made with the duplex micrometer which was brought into use in 1895 January. The essential feature of this instrument is that two different plates on which the same portion of the sky is photographed are simultaneously surveyed and measured.

The plates are placed in a frame movable in the direction of the Y co-ordinate, and the carrier of one of the plates can be adjusted so that the images of the same star on the two plates are very approximately in the same horizontal line. Two microscopes carried on a horizontal slide move perpendicularly to the direction in which the frame moves, and their distance apart can be readily adjusted so that when the image of a star on one plate is at the centre of the field of one microscope the image of the same star on the second plate is at or very near the centre of the field of the second microscope. The general character of this micrometer is shown in Plate II.

For the measurement of the photographs a glass diaphragm with two scales at right angles, divided so that one interval corresponds to  $\frac{1}{100}$ th of a *réseau* interval or 3", is placed in the focal plane of the viewing microscope. The star's image is placed accurately at the intersection of the two scales, and the position of the *réseau* lines relatively to it is read off on the scales by estimation to 0.001 of a *réseau* interval or 0".3, in the sky. The diagram (Plate II.) shows the figuring of the scale and the appearance of the scale and the *réseau* in the field of the microscope. Readings are made of the points  $A_1$ ,  $A_2$ ,  $B_1$ ,  $B_2$  where the cross-scales cut the four *réseau* lines enclosing the star, and it is assumed that the distances  $A_1$ ,  $A_2$  and  $B_1$ ,  $B_2$  should be exactly 100 divisions of the *réseau*, differences between the readings at  $A_1$  and  $A_2$  and at  $B_1$  and  $B_2$  being treated as giving a small correction of the nature of *runs*.

The use of a glass diaphragm in the focal plane of the microscope was suggested by Prof. Turner. Its use was tested in some preliminary measures made in 1894 (see *Monthly Notices of the Royal Astronomical Society*, vol. lv. p. 60), and subsequent experience has verified the utility of this form of micrometer for rapid and accurate measurements.

(ii) *The Arrangement of the Measures.*

The arrangement of the measures adopted in this volume is such that the sky is divided into zones in declination  $1^\circ$  wide and the measures of the same star on the overlapping portions of two plates are given side by side. This is facilitated by the employment of the duplex micrometer. The order in which the measures are printed is the same as that in which they were originally made.

Generally speaking, the centres of the plates in each zone are near the corners of the plates in the zones above and below. This arrangement is, however, necessarily modified in the transition zones, where the number of plates per zone is diminished as the circles of declination contract in approaching the pole.

In order to make sure of taking the whole of the sky, the plates overlap one another to the extent of  $5^{\text{mm}}$  or more each way within the boundary of the *réseau*, so that while every star appears on at least two plates, some may occur on three, four, or five plates. The diagrams illustrate the arrangement of these plates, though the inclinations are exaggerated for the sake of clearness. A star

DIAGRAM I.

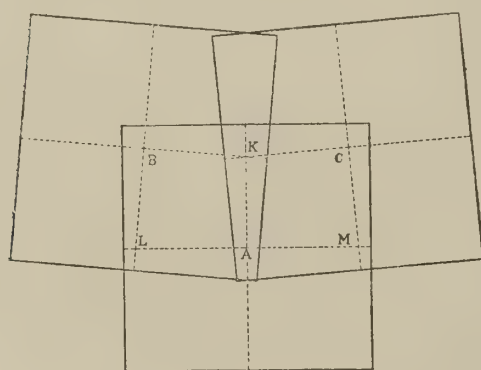
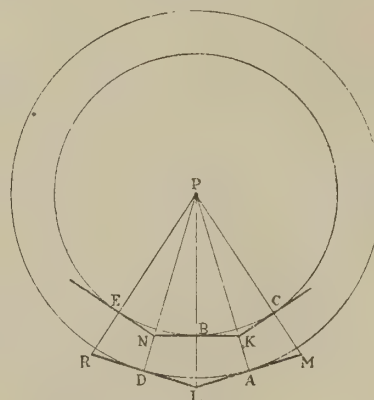


DIAGRAM II.



near the centre of A would be shown also on the right-hand bottom corner of B, the left-hand bottom corner of C, and on the top right- and left-hand corners respectively of two plates in a lower zone. There seems no reason for measuring some stars more than twice, while by far the greater number are measured only twice, and it is desirable to place together the duplicate measures of the same stars on two plates. The duplex micrometer lends itself to this object. In the Diagram I., A, B, C are the centres of the three plates; AK, LAM, BL, BK, and CM, CK are the central *réseau* lines; AK, BL, and CM being the projections of meridians on the respective plates, and LAM, BK, and CK the projections of great circles perpendicular to these meridians. When the two plates A and B are being measured in the duplex micrometer, the

same star on the two plates is simultaneously under the two microscopes, and if the area measured is confined to that bounded by the central *réseau* lines of the two plates—that is, the area BLAK—and the same rule is adhered to with each pair of plates measured, then the whole sky will be divided into areas such as BLAK, KAMC, and the position of each star will be measured on two plates, and on two only, and the measures of the same star are automatically brought together.

Diagram II. shows into what portions the sky will be divided. A, B, C, K, L, M, correspond to the same letters in diagram I. D is the centre of an adjacent plate in the same zone as A, E the centre of a third plate in the same zone as C and B.

A modification of this method is necessary in what are called the transition zones, *i.e.*, consecutive zones in which the number of plates per zone is changed. The same principle may be applied, however, and it is only necessary to substitute some other *réseau* lines instead of the central meridional ones as the boundaries of the measures. If the same line on A is used when A is measured with B as when A is measured with C, the whole sky will be covered.

For the better determination of plate constants reference stars are measured, although their co-ordinates are outside the assigned limits, provided they fall within the *réseau* which covers  $65^{\text{mm}}$ , equivalent to  $65'$ , from the central lines in each direction. These measures are given at the end of each plate, a line being drawn to separate from the other measures.\*

The plates are all measured in two positions, the plate being turned through  $180^\circ$  for the second set of measures. These are denoted in the specimen pages given overleaf as “direct” and “reversed” measures. Further, the  $6^{\text{m}}$  images are measured by one measurer and the  $3^{\text{m}}$  images by another—the first measurer taking the  $6^{\text{m}}$  image and the second the  $3^{\text{m}}$  image, in both positions of the plate.† Both sets of measures were made quite independently on different days by each measurer without reference to previous measures. The readings on the glass scale of the two *réseau* lines between which the stars are contained are given in the same horizontal line; the measures of the  $3^{\text{m}}$  images are placed below those of the  $6^{\text{m}}$  images. The mean includes the correction for *runs* and is formed by applying the proportional part of the difference of the readings of the *réseau* lines on the two sides of the glass scale. The result is numerically the same as the weighted mean of the two readings, the weights being inversely proportional to the distance of the *réseau* lines from the star. The unit employed for the co-ordinates is the *réseau* interval. For the diameters of the images, however, the sums of the two measures are given instead of the mean, thus halving the unit employed which becomes  $0''.15$  (see p. xxiii.). The following specimen pages of the measuring books shows how the co-ordinates, as printed in this volume, are derived from the measures actually made.

\* These additional stars are not printed for Zone  $70^\circ$ , nor in all cases for Zone  $71^\circ$  with the other measures. They are given at the end of the volume.

† The practice of having the same measurer make the measures direct and reversed was not adopted till the Zone from Dec.  $64^\circ$  to Dec.  $67^\circ$  had been measured. See next section.



## Specimen of Measuring Books.

Left-Hand Page.

ZONE + 71°.

Right-Hand Page.

MEASURERS W. S. &amp; O.

PLATE No. 2908 N.W.

R.A. 23<sup>h</sup> 0<sup>m</sup>.

PLATE No. 2906 S.E.

R.A. 22<sup>h</sup> 48<sup>m</sup>.

ENTERER ST.

Date.	1899, Dec. 15-15.				1899, Dec. 22-22.				Diameter.	Means.		1899, Dec. 15-15.				1899, Dec. 22-22.				Diameter.	Means.	
No.	Direct Measures.		Reversed Measures.		Direct Measures.		Reversed Measures.			x	y	Direct Measures.		Reversed Measures.		x	y					
	x	y	x	y	x	y	x	y				x	y	x	y							
10169	8'564	4	20'417	7	8'563	5	20'417	8	0'5			19'930	0	8'403	2	19'930	2	8'403	3	0'6		
	8'565	5	20'344	4	8'565	5	20'346	7	0'6			19'926	5	8'325	6	19'925	5	8'328	30	0'7		
	8'5645		20'3805		8'5646		20'3819		11	8'5646	20'3812	19'9275		8'3640		19'9284		8'3659		13	19'9280	8'3650
10170	8'762	0	20'720	0	8'762	2	20'720	0	1'1			20'113	3	8'716	4	20'113	3	8'717	7	1'0		
	8'761	0	20'650	0	8'760	0	20'650	0	0'9			20'110	0	8'640	0	20'110	0	8'640	3	1'1		
	8'7603		20'6850		8'7610		20'6850		208	8'7607	20'6850	20'1115		8'6773		20'1115		8'6795		218	20'1115	8'6784
10171	9'127	7	20'827	5	9'129	9	20'826	6	0'2			20'473	1	8'841	0	20'472	2	8'841	1	0'2		
	† - 7		- 362		† - 14		- 356		0'1			20'474	2	8'766	5	20'470	0	8'770	0	0'2		
	9'1263		20'7891		9'1276		20'7904		3*	9'1270	20'7898	20'4726		8'8027		20'4710		8'8055		4	20'4718	8'8041
10172	10'449	44	20'672	0	10'450	49	20'670	2	0'2			21'800	0	8'757	6	21'800	0	8'756	7	0'3		
	10'445	4	20'600	0	10'445	5	20'600	0	0'2			21'797	5	8'684	4	21'798	7	8'685	5	0'2		
	10'4457		20'6354		10'4473		20'6356		4	10'4465	20'6355	21'7977		8'7201		21'7986		8'7209		5	21'7982	8'7205
10173	11'564	5	19'950	47	11'565	7	19'947	7	0'6			22'953	3	8'090	87	22'950	3	8'090	89	1'0		
	11'565	5	19'874	5	11'565	4	19'876	8	0'7			22'950	0	8'015	4	22'950	0	8'015	4	1'0		
	11'5648		19'9111		11'5653		19'9124		138	11'5651	19'9118	22'9515		8'0524		22'9514		8'0524		20	22'9515	8'0524
10174	11'662	3	20'335	3	11'666	5	20'335	7	0'1			22'033	1	8'483	0	23'032	2	8'480	2	0'2		
	† - 7		- 362		† - 14		- 356		0'2			† - 15		- 378		- 16		- 372		0'1		
	11'6620		20'2981		11'6639		20'3001		3*	11'6630	20'2991	23'0314		8'4438		23'0304		8'4438		3*	23'0309	8'4438
10175	11'710	0	20'440	39	11'709	9	20'439	40	0'3			23'072	0	8'590	87	23'070	0	8'590	0	0'3		
	11'705	5	20'368	70	11'708	9	20'365	8	0'3			23'070	69	8'515	2	23'069	8	8'515	5	0'4		
	11'7075		20'4042		11'7089		20'4028		6	11'7082	20'4035	23'0709		8'5508		23'0695		8'5525		8	23'0702	8'5517
10176	13'133	0	20'757	4	13'133	1	20'755	5	0'6			24'477	5	8'981	0	24'477	7	8'980	0	1'0		
	13'134	2	20'684	2	13'132	3	20'685	5	0'6			24'475	5	8'903	1	24'475	5	8'903	4	1'0		
	13'1332		20'7187		13'1324		20'7200		128	13'1328	20'7194	24'4755		8'9406		24'4760		8'9420		17	24'4758	8'9413
10177	13'477	4	20'276	6	13'476	8	20'280	79	0'7			24'844	3	8'520	17	24'844	4	8'520	19	1'0		
	13'475	3	20'205	4	13'475	4	20'205	7	0'7			24'840	0	8'445	3	24'840	2	8'440	0	1'0		
	13'4748		20'2404		13'4757		20'2426		148	13'4753	20'2415	24'8416		8'4813		24'8428		8'4798		198	24'8422	8'4806
10178	3'675	5	21'717	3	3'676	9	21'713	3	0'3			14'982	2	9'444	4	14'983	3	9'443	6	0'5		
	3'671	0	21'640	0	3'670	0	21'640	0	0'3			14'981	0	9'369	70	14'978	80	9'370	4	0'6		
	3'6727		21'6772		3'6740		21'6765		6	3'6734	21'6769	14'9810		9'4067		14'9815		9'4079		11	14'9813	9'4073
10179	5'030	29	21'870	69	5'032	4	21'869	70	0'3			16'327	5	9'670	0	16'330	29	9'670	1	0'4		
	5'027	6	21'796	6	5'030	0	21'795	6	0'4			16'325	5	9'595	4	16'325	5	9'595	5	0'5		
	5'0285		21'8326		5'0310		21'8328		7	5'0298	21'8327	16'3257		9'6322		16'3273		9'6328		9	16'3265	9'6325
10180	5'352	0	21'970	0	5'356	6	21'970	69	0'3			16'644	3	9'790	0	16'643	3	9'785	8	0'3		
	5'355	3	21'897	6	5'350	0	21'902	0	0'2			16'640	0	9'715	5	16'640	0	9'712	5	0'4		
	5'3528		21'9330		5'3530		21'9346		5	5'3529	21'9338	16'6417		9'7525		16'6415		9'7507		7	16'6416	9'7516
10181	5'549	7	21'590	0	5'550	0	21'589	9	0'5			16'859	6	9'419	20	16'856	6	9'420	0	0'5		
	5'545	5	21'515	5	5'545	5	21'517	6	0'5			16'853	1	9'345	3	16'852	3	9'345	6	0'7		
	5'5465		21'5525		5'5475		21'5527		10	5'5470	21'5526	16'8539		9'3818		16'8544		9'3827		12	16'8542	9'3823
10182	5'870	69	21'260	0	5'870	0	21'260	0	0'3			17'196	7	9'106	7	17'198	200	9'107	9	0'4		
	5'867	6	21'185	5	5'866	7	21'187	8	0'5			17'194	5	9'030	28	17'190	3	9'032	0	0'6		
	5'8676		21'2225		5'8684		21'2236		8	5'8680	21'2231	17'1952		9'0680		17'1945		9'0695		10	17'1949	9'0688
10183	6'526	6	21'247	4	6'527	9	21'247	7	1'0			17'853	5	9'125	5	17'852	6	9'127	9	1'1		
	6'525	5	21'174	3	6'525	5	21'175	5	1'1			17'848	50	9'050	0	17'850	1	9'052	1	1'4		
	6'5255		21'2101		6'5265		21'2110		218	6'5260	21'2106	17'8522		9'0875		17'8531		9'0895		258	17'8527	9'0885
10184	8'930	27	21'360	0	8'927	9	21'359	9	0'2			20'246	3	9'363	2	20'244	4	9'360	3	0'4		
	8'925	5	21'286	6	8'925	4	21'285	5	0'2			20'240	37	9'290	0	20'240	39	9'290	0	0'4		
	8'9261		21'3230		8'9265		21'3220		4	8'9263	21'3225	20'2423		9'3263		20'2419		9'3255		8	20'2421	9'3259
10185	8'973	0	21'112	0	8'972	1	21'112	1	0'3			20'305	3	9'117	9	22'302	0	9'117	9	0'3		
	† - 7		- 362		- 14		- 356		0'2			20'300	298	9'046	4	20'300	0	9'045	4	0'4		
	8'9694		21'0756		8'9696		21'0763		5*	8'9695	21'0760	20'3019		9'0815		20'3007		9'0810		7	20'3013	9'0813
10186	10'447	7	21'302	0	10'450	2	21'302	3	0'2			21'767	8	9'384	3	21'767	70	9'385	7	0'2		
	† - 7		- 362		- 14		- 356		0'2			21'764	5	9'310	09	21'765	5	9'312	3	0'3		
	10'4463		21'2652		10'4495		21'2667		4*	10'4479	21'2660	21'7663		9'3467		21'7671		9'3490		5	21'7667	9'3479
10187	11'644	4	21'134	4	11'644	4	21'134	7	0'2			22'972	2	9'280	0	22'973	3	9'280	0	0'3		
	11'645	4	21'060	0	11'643	4	21'062	1	0'2			22'968	6	9'204	4	22'967	8	9'205	5	0'2		
	11'6442		21'0970		11'6438		21'0981		4	11'6440	21'0976	22'9690		9'2420		22'9705		9'2425		5	22'9698	9'2423

The sign § denotes that the 20 sec. image is shown.

The sign † in columns 2 and 4 or 9 and 11 denotes that the 3 min. image is shown, but is too diffused to measure.

The sign ‡ in columns 2 and 4 or 9 and 11 denotes that the 3 min. images are not shown.

The asterisk in column 6 or 10 is printed in the Catalogue to show that the figures printed are the means of two measures only.

In those cases where the 3<sup>m</sup> image is not measured for either of the reasons indicated in the notes, a correction deduced from the differences between the measures of the 6<sup>m</sup> and 3<sup>m</sup> images of several stars of the plate, is applied as shown to the measures of the 6<sup>m</sup> image to form the co-ordinates printed.

## V. MEASURES OF DIAMETER AND DETERMINATION OF PHOTOGRAPHIC MAGNITUDES.

With the rectangular co-ordinates of each star is given the diameter of the image obtained with the 6<sup>m</sup> exposure. The diameter is measured in every case by two measurers and the mean of their results taken. For arithmetical convenience the sum of the two measures is taken and the unit in which they are given is therefore halved. The unit employed in the measures as printed is  $\frac{1}{2000}$ th of a *réseau* interval or 0".15. Thus "4" in the column headed "Diam." denotes 0".6, 10 denotes 1".5, and so on.

No difficulty presents itself in the measures of fairly bright stars near the centre of the plate. At distances of 40' or more from the centre the images are sensibly elongated in the radial direction and the mean of the horizontal and vertical diameters is taken, the diameter set down being the equivalent circular diameter. A further difficulty presents itself with the images of faint stars. The actual diameter may be the same as that of a somewhat brighter star, but the image is grey and not black. Allowance is made by the measurers for the want of density in the images and also for the shading off at the edge and the diameter set down is that of an equivalent black image, *i.e.*, one which would contain the same amount of silver deposit. In all measures made since 1897 great care has been taken to secure uniformity in these estimates, but in the measures before this date, *i.e.*, in the direct position between Dec. +64° and +68° the diameters of the very faint stars have not been reduced sufficiently to make them strictly comparable with those of brighter stars having black images.

In order to obtain direct information as to the magnitude of the faint stars shown on the plates, comparison has been made with the determinations on a photometric scale given by Prof. Pickering (*Harvard Annals*, vol. xxxvii. pp. 4–11) of the faint stars near certain Variables which lie in the Greenwich zones. The photometric magnitudes of faint stars near the pole (*Harvard Annals*, vol. xviii. p. 134) have also been compared with the diameters of the images on a Catalogue plate (Exp. 6<sup>m</sup>, 3<sup>m</sup>, and 20<sup>s</sup>) and on four Chart plates (Exp. 40<sup>m</sup>). Some photographs of *Nova Persei* taken under the same conditions as the Astrographic plates also admit of comparison with the magnitudes given by Father Hagen (Georgetown College Observatory, *Supplementary Notes to the Atlas Stellarum Variabilium*). In the following tables the measured diameters of these stars of known photometric magnitude are given both for an exposure of 6<sup>m</sup>, with which we are immediately concerned in this volume, and also with an exposure of 40<sup>m</sup> which has been given at Greenwich for the Chart photographs.



*Diameters of Images of Stars near S Cassiopeiæ. R.A. 1<sup>h</sup> 12<sup>m</sup> 18<sup>s</sup> Dec. +72° 5'·1 (1900·0).*

Reference Letter.	Photom. Mag.	Catalogue Plates. Exposure 6 <sup>m</sup> .						Chart Plates. Exposure 40 <sup>m</sup> .				Zone and Number in Greenwich Measures.
		No. 4600.	No. 3303.	No. 3335.	No. 4601.	No. 1678.	No. 4767.	No. 3306.	No. 1517.	No. 5800.	No. 3719.	
		Centre. R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. 72°.	Centre. R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. 71°.	Centre. R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. 73°.	Centre. R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. 72°.	Centre. R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. 71°.	Centre. R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. 73°.	Centre. R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. 73°.	Centre. R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. 72°.	Centre. R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. 72°.	Centre. R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. 73°.	
<i>g</i>	8·76		55§		60§			94	105	104		71, 815
<i>h</i>	9·20	32§		21								72, 558
<i>k</i>	9·78				33§		16		64	61	68	72, 625
<i>l</i>	10·06				29		18		68	60	66	72, 626
<i>m</i>	10·36			32	36§			70	67	64		72, 582
<i>n</i>	10·78				32§	42§			66	66		71, 918
<i>o</i>	11·08				23§	25			45	44		71, 905
<i>p</i>	11·48				8	not shown		47	37	35	44	71, 924
<i>q</i>	11·87				6		3*		33	28	34	72, 633
<i>r</i>	12·28				6		not shown	40	31	27	35	72, 624
<i>s</i>	12·61				4		, ,	26†	27	25	29	72, 642
<i>t</i>	12·95				not shown		, ,	not shown	7	7	5	
<i>u</i>	13·20				, ,		, ,	5	14	12	7	
<i>w</i>	13·56				, ,		, ,	not shown	6	6	4†	
<i>x</i>	13·91				, ,		, ,	4	8	8	7	
<i>y</i>	14·33				, ,		, ,	2†	7	7	6	

*Diameters of Images of Stars near R Ursæ Majoris. R.A. 10<sup>h</sup> 37<sup>m</sup> 34<sup>s</sup> Dec. +69° 18'·0 (1900·0).*

Reference Letter.	Photom. Mag.	Catalogue Plates. Exposure 6 <sup>m</sup> .					Chart Plates. Exposure 40 <sup>m</sup> .		Zone and Number in Greenwich Measures.
		No. 3061.	No. 2469.	No. 836.	No. 1998.	No. 3409.	No. 3436.	No. 3878.	
		Centre. R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. 69°.	Centre. R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. 69°.	Centre. R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. 68°.	Centre. R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. 69°.	Centre. R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. 70°.	Centre. R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. 69°.	Centre. R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. 70°.	
<i>g</i>	7·71		40§				83		69, 4199
<i>h</i>	8·18		45§			43§	86	123	69, 4222
<i>k</i>	8·90			40§	36§				68, 3963
<i>l</i>	8·80				44§	44		124	69, 4256
<i>m</i>	9·43	26	22§				47		68, 3914
<i>n</i>	9·76		12			12	40	68	69, 4219
<i>o</i>	9·88		18	26			44		68, 3941
<i>p</i>	10·46				18	10	42	52	69, 4257
<i>q</i>	11·02				16	8	38	46	69, 4264
<i>r</i>	11·48		5			6	27	44	69, 4232
<i>s</i>	12·02		2*			4	15	33	69, 4229
<i>t</i>	12·53		not shown			not shown	15	31	
<i>u</i>	13·12		, ,			, ,	13	25	
<i>w</i>	13·50		, ,			, ,	9	14	
<i>x</i>	14·03		, ,			, ,	5	13	
<i>y</i>	14·50		, ,			, ,	5	12	
<i>z</i>	14·89		, ,			, ,	3	6	
<i>a</i>	15·17		, ,			, ,	not shown	†	

§ Star shown with 20<sup>s</sup> exposure.\* Star not shown with 3<sup>m</sup> exposure.

† Image on réseau line

A blank in the above table means that the star in question does not fall within the plate. The words *not shown* are inserted in cases where the position of the star is such that it would have been on the plate had it been sufficiently bright to register.



*Diameters of Images of Stars near R. Ursæ Minoris R.A. 16<sup>h</sup> 31<sup>m</sup> 18<sup>s</sup>, Dec. +72° 28'7 (1900.0).*

Reference letter.	Photom. Mag.	Exposure 20 <sup>s</sup> .		Cat. Plates. Exp. 6 <sup>m</sup> .		Chart Plates. Exp. 40 <sup>m</sup> .		Zone and Number in Greenwich Measures.
		No. 2708.	No. 4027.	No. 2708.	No. 4027.	No. 3515.	No. 4019.	
		Centre. R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. 72°.	Centre. R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. 73°.	Centre. R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. 72°.	Centre. R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. 73°.	Centre. R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. 72°.	Centre. R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. 73°.	
<i>a</i>	8.25		24		48		81	73,
<i>b</i>	8.62	24	22	54	45	70	73	72, 7012
<i>c</i>	8.90		20		42		76	73,
<i>d</i>	9.26	26	20	52	42	64	73	72, 7062
<i>e</i>	9.62	8	7	31	24	43	48	72, 7061
<i>f</i>	9.96		14		33	49	57	73,
<i>g</i>	10.30	4	4	32	22	45	44	72, 7075
<i>h</i>	10.68	4	5	24	20	34	36	72, 7029
<i>k</i>	11.04	6	6	28	22	40	41	72, 7030
<i>l</i>	11.50	3	not shown	16	16	26	34	71, 7010
<i>m</i>	11.84	not shown	„	15	13	22	28	72, 6999
<i>n</i>	12.18	„	„	10	7	20	25	72, 7019
<i>o</i>	12.54	„	„	6	not shown	15	20	72, 7000
<i>p</i>	12.92	„	„	5	5*	14	16	72, 7052

*Diameters of Images of Stars near R. Draconis R.A. 16<sup>h</sup> 32<sup>m</sup> 23<sup>s</sup>, Dec. +66° 57'8 (1900.0).*

Reference letter.	Photom. Mag.	Exp. 20 <sup>s</sup> .	Catalogue Plates. Exp. 6 <sup>m</sup> .				Chart Plates. Exp. 40 <sup>m</sup> .		Zone and Number in Greenwich Measures.
		No. 2652.	No. 2653.	No. 2660.	No. 2652.	No. 2057.	No. 3469.	No. 3482.	
		Centre. R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. 67°.	Centre. R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. 68°.	Centre. R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. 66°.	Centre. R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. 67°.	Centre. R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. 68°.	Centre. R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. 66°.	Centre. R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. 67°.	
<i>a</i>	6.88	29	57§		74§			121	67, 5303
<i>b</i>	7.19					59§			68, 5812
<i>c</i>	7.44	28	68§		70§			117	67, 5299
<i>d</i>	7.66					68§			68, 5860
<i>e</i>	8.02					51§			67, 5435
<i>f</i>	8.28	14		42§	43§		74	82	66, 5250
<i>g</i>	8.56	20			51§	64§		84	67, 5395
<i>h</i>	9.06	12	63§		42§		70	80	67, 5283
<i>k</i>	9.40	7		41§	32§		54	62	66, 5248
<i>l</i>	9.80	6	26		20§			52	67, 5317
<i>m</i>	10.16	5			28§	31		54	67, 5370
<i>n</i>	10.56	5		28§	24§		38	46	66, 5223
<i>o</i>	10.97	not shown		18	15		30	34	66, 5222
<i>p</i>	11.59	„		7*	9		27	26	66, 5251
<i>q</i>	12.01	„		7	8		25	20	66, 5234
<i>r</i>	12.52	„		not shown	6		20	20	66, 5254
<i>s</i>	12.85	„		„	not shown		14	18	
<i>t</i>	13.33	„		„	„		10	13	
<i>u</i>	13.84	„		„	„		13	15	
<i>w</i>	14.43	„		„	„		7	13	
<i>x</i>	15.02	„		„	„		4	10	

§ Star shown with 20<sup>s</sup> exposure.

\* Star not shown with 3<sup>m</sup> exposure.

‡ Image on réseau line.

A blank in the above table means that the star in question does not fall within the plate. The words *not shown* are inserted in cases where the position of the star is such that it would have been on the plate had it been sufficiently bright to register.

*Diameters of Images of Stars near T Cephei R.A.  $21^{\text{h}} 8^{\text{m}} 13^{\text{s}}$ , Dec.  $+68^{\circ} 5' 0''$  (1900.0).*

Reference Letter.	Photom. Mag.	Catalogue Plates. Exposure $6^{\text{m}}$ .		Chart Plates. Exposure $40^{\text{m}}$ .		Zone and Number in Greenwich Measures.
		No. 2776.	No. 2771.	No. 4587.	No. 3223.	
		Centre. R.A. $21^{\text{h}} 0^{\text{m}}$ Dec. $68^{\circ}$ .	Centre. R.A. $21^{\text{h}} 10^{\text{m}}$ Dec. $69^{\circ}$ .	Centre. R.A. $21^{\text{h}} 0^{\text{m}}$ Dec. $68^{\circ}$ .	Centre. R.A. $21^{\text{h}} 10^{\text{m}}$ Dec. $69^{\circ}$ .	
<i>h</i>	8.12	54§	60§	96	102	68, 8156
<i>k</i>	8.78	41§		72		67, 7464
<i>l</i>	9.18	28§	33§	68	68	68, 8155
<i>m</i>	9.65	30§	36§	64	71	68, 8225
<i>n</i>	10.10	22§	21§	50	49	68, 8148
<i>o</i>	10.50	21§	26	50	55	68, 8132
<i>p</i>	11.06	11§	12	34	39	68, 8144
<i>q</i>	11.56	8	8	29	35	68, 8158
<i>r</i>	11.96	10	10	30	32	68, 8141
<i>s</i>	12.39	not shown	not shown	22	22	
<i>t</i>	12.71	, ,	, ,	18	20	

*Diameters of Images of Stars near the Pole.*

Reference.	Photom. Mag.	No. 5013.			No. 6058.	No. 6050.	No. 5955.	No. 5964.
		Exposure $20^{\text{s}}$ .	$3^{\text{m}}$ .	$6^{\text{m}}$ .	Exposure $40^{\text{m}}$ .			
B. D. 88, 112	6.5	29	60	66	107	115	90	99
89, 3	9.2	15	32	44	68	85	58	64
89, 35	9.8	4	16	24	41	56	32	33
88, 37	10.5	3	14	22	42	53	38	38
89, 1	10.5	3	16	24	39	55	38	34
89, 26	10.6	2	14	20	33	45	32	27
<i>a</i>	12.2		5	8	20	28	15	20
<i>b</i>	12.4		2	4	15	20	13	14
<i>h</i>	12.8		4	5	18	22	14	12
<i>k</i>	13.2			3	12	18	10	9
<i>d</i>	13.3				11	18	8	8
<i>l</i>	14.0				6	7	5	4†
<i>c</i>	14.0				6	8	4	5
<i>e</i>	14.8				4	3	2	4
<i>f</i>	14.8				5	4	2	3
<i>g</i>	15.7				3	1	2	(1)

§ Star shown with  $20^{\text{s}}$  exposure.

\* Star not shown with  $3^{\text{m}}$  exposure.

† Image on *réseau* line.

A blank in the above table means that the star in question does not fall within the plate. The words *not shown* are inserted in cases where the position of the star is such that it would have been on the plate had it been sufficiently bright to register.

*Diameters of Images of Stars near Nova Persei compared with Hagen's Magnitudes.*

No.	Approx. Cords.		Mag.	Plate 6200.				Plate 6202.				Plate 6204.				Plate 6161.		Plate 6160.				Plate 6168.				Plate 6178.			
	x.	y.		40m.	6m.	3m.	20s.	40m.	6m.	3m.	20s.	40m.	6m.	3m.	20s.	40m.	6m.	3m.	20s.	6m.	3m.	20s.	6m.	3m.	20s.				
1	7.7	19.6	7.1	88	56	40	20	104	66	59	28	84	52	44	18	89	65	48	26	64	46	22	76	56	32				
2	16.9	25.5	7.4*	128	92	73	48	188	122	104	62	130	87	76	36	134	92	73	32	92	80	44	110	93	55				
3	16.1	25.3	7.5	80	51	39	14	112	68	60	22	80	48	42	16	84	55	47	22	58	45	18	64	58	26				
4	21.3	24.9	7.6	77	52	40	14	110	72	58	19	74	51	46	13	68	54	40	19	51	44	13	60	43	16				
5	8.3	12.1	7.7	98	68	54	32	130	80	70	38	98	63	56	25	111	74	61	29	70	55	28	82	68	38				
6	4.7	10.9	7.8	77	49	41	22	100	60	56	21	80	52	44	18	87	58	47	23	56	45	24	64	56	23				
7	23.0	13.4	7.9	65	37	27	11	90	50	41	16	69	41	30	9	68	42	36	13	45	28	12	46	38	12				
8	7.2	19.7	8.1	77	46	36	15	102	62	50	25	76	48	40	18	82	59	44	24	49	42	24	60	42	24				
9	12.5	25.1	8.2	79	52	36	18	108	72	55	24	80	54	43	15	78	56	48	23	53	44	19	63	56	22				
(10)	6.4	17.2	(var.)†	(5)	...	...	...	(16)	(2)	...	...	(8)	...	...	...	(22)	(3)	(2)	...	(7)	(5)	...	(6)	(4)	...				
11	15.8	11.2	8.4	66	38	27	10	88	50	42	18	69	42	23	9	69	43	30	14	44	32	14	44	36	18				
12	7.2	19.1	8.5	68	40	32	14	90	52	44	19	66	43	34	13	75	45	39	18	47	41	16	50	44	20				
13	8.6	22.9	8.6	44	26	14	2	66	40	38	5	46	26	22	4	45	28	24	6	29	22	5	26	22	3				
14	21.2	22.3	8.7	46	22	15	1	64	38	29	2	43	24	16	...	44	28	16	4	24	16	5	26	22	3				
15	6.6	11.7	8.7	36	16	9	...	56	22	19	2	38	21	12	...	48	29	22	5	26	16	5	30	25	4				
16	14.2	23.0	8.7	68	40	32	14	95	60	49	21	75	44	38	14	67	49	36	20	47	40	18	54	42	18				
17	13.8	17.7	8.8	52	22	16	5	78	42	33	9	56	26	22	5	56	38	26	7	32	24	8	38	32	8				
18	16.6	9.4	8.8	59	30	21	6	81	42	38	18	63	32	24	8	61	38	30	10	24	26	12	40	33	12				
19	14.9	21.6	8.8	44	20	16	2	65	38	30	5	49	22	19	3	44	27	19	5	32	20	5	26	22	4				
20	13.2	15.0	8.9	64	34	24	7	84	52	48	19	65	34	25	6	67	45	34	13	40	30	10	44	38	14				
21	17.7	12.3	9.0	43	20	14	1	48	30	27	5	46	22	15	4	42	28	18	4	22	14	5	24	18	3				
22	18.0	10.4	9.0	62	35	26	9	86	48	42	19	66	34	28	9	59	44	34	14	34	32	14	42	35	18				
23	8.6	13.2	9.0	54	30	20	4	79	46	34	12	65	36	24	7	57	35	26	13	42	23	9	38	32	10				
24	17.3	18.0	9.0	61	36	24	12	90	56	46	20	65	41	36	9	63	40	32	14	32	32	13	44	36	16				
25	7.9	15.0	9.0	60	31	24	8	78	46	40	18	59	33	29	6	61	37	29	13	30	26	11	40	32	12				
26	20.6	12.1	9.1	51	26	18	3	74	39	30	7	51	28	24	8	47	34	24	9	28	23	10	32	27	7				
27	15.3	20.0	9.1	49	26	18	5	66	42	30	8	51	28	20	4	44	24	17	7	29	22	8	36	26	8				
28	19.8	13.4	9.2	64	30	20	7	82	49	40	18	61	37	25	8	54	37	26	9	30	26	8	42	35	10				
29	15.0	17.9	9.2	36	16	11	3	56	29	24	5	40	21	15	3	34	29	14	4	21	18	4	23	16	2				
30	20.6	18.5	9.2	52	32	22	7	78	42	38	10	61	33	24	5	51	35	26	9	30	27	9	40	34	10				
31	18.3	17.0	9.3	49	28	18	5	78	41	38	10	56	31	24	5	51	30	24	8	31	27	8	40	32	8				
32	15.6	15.7	9.4	40	20	12	3	60	32	27	5	44	22	17	3	40	22	17	4	22	16	4	24	19	2				
33	21.2	14.6	9.5	48	24	14	4	66	39	28	7	49	23	17	4	41	28	18	5	25	16	6	30	24	5				
34	11.7	14.7	9.6	30	12	5	1	48	20	17	2	34	15	11	...	28	16	8	1	14	11	2	16	9	...				
35	19.3	14.9	9.6	37	20	13	2	66	34	28	5	47	23	18	4	40	26	18	4	20	16	4	26	21	4				
36	9.4	17.3	9.6	29	9	5	...	44	23	14	3	36	14	9	...	32	16	10	...	14	9	2	16	9	...				
37	13.0	11.5	9.7	26	5	4	...	40	18	11	2	29	10	7	...	27	10	6	...	12	7	...	12	6	...				
38	12.3	12.1	9.8	25	5	3	...	41	20	9	3	27	9	7	2	25	11	5	...	15	7	...	13	...	...				
39	19.7	13.5	9.9	37	20	12	1	58	30	25	6	44	22	16	3	39	22	18	2	24	14	4	24	20	2				
40	19.1	18.0	10.0	28	14	8	...	46	23	19	2	36	14	12	...	30	16	12	3	13	10	4	16	11	2				
41	17.9	12.0	10.0	32	17	11	...	52	26	22	4	38	21	16	4	35	23	16	4	22	13	4	20	15	3				
42	15.3	14.0	10.1	29	14	7	...	54	23	19	2	40	17	13	3	32	16	13	3	16	12	3	20	13	1				
43	10.7	14.6	10.2	24	8	4	...	44	19	16	1	28	13	9	...	29	15	9	...	12	10	2	14	7	...				
44	14.0	11.8	10.3	27	9	6	...	45	21	15	2	35	14	12	...	28	16	11	2	14	11	...	16	10	...				
45	11.0	15.9	10.4	22	6	4	...	40	19	12	...	39	10	6	2	30	10	7	...	12	8	...	14	8	...				
46	11.0	15.3	10.7	20	5	4	...	39	18	12	...	26	8	6	...	26	9	7	...	11	6	...	10	5	...				
47	16.0	16.4	10.7	18	4	3	...	34	16	10	...	23	6	4	...	18	6	5	...	7	5	...	10	4	...				
48	16.2	12.0	10.8	18	4	3	...	22	5	4	...	13	4	2	...	21	7	5	...	7	5	...	8	3	...				
49	13.1	13.7	11.0	16	4	...	...	30	8	3	...	20	5	...	...	16	7	5	...	8	5	...	8	3	...				
50	15.2	16.3	11.1	10	...	...	...	22	4	2	...	11	...	...	...	11	...	...	...	5	4	...	6	4	...				
51	11.2	14.6	11.2	12	...	...	...	23	5	4	...	15	...	...	...	12	...	...	...	6	4	...	3	...	...				
52	11.1	15.9	11.2	10	3	...	...	22	5	3	...	13	4	2	...	13	...	...	...	5	4	...	4	1	...				
53	12.8	16.9	11.3	8	...	...	...	22	4	2	...	14	4	...	...	14	...	...	...</										



Examination of the above tables shows the limits of magnitude reached. They may be taken as typical of all the plates whose measures are given in this volume.

The following table derived from them gives the faintest star of known photometric magnitude shown on the several plates with an exposure of 6<sup>m</sup>.

Plate.	Mag.	Plate.	Mag.	Plate.	Mag.
	<i>m</i>		<i>m</i>		<i>m</i>
4601	12·61	2652	12·52	6160	11·6
1678	11·08	2660	12·01	6168	12·7
4767	11·87			6178	11·9
3409	12·02	2776	11·96	6200	11·8
2469	12·02	2771	11·96	6202	12·8
2708	12·92	5013	13·2	6204	12·7
4027	12·92	...	...	...	...

For the conversion of diameters into magnitudes the empirical law connecting the measured diameter  $d$  and the magnitude  $m$  determined by the Astronomer Royal (*Monthly Notices of the Royal Astronomical Society*, vol. lii. pp. 125–146), viz. :— $m = C - n\sqrt{d}$ , has been adopted and appears to give a satisfactory accordance with the photometric determinations. The value found for  $n$  in the units here employed is 0·94 and is obtained by comparison of images of the same star with different exposures combined with the assumed law that the same photographic effect is obtained by the same total amount of light. The following determinations of the constants  $C$  and  $n$  are derived by direct comparison of the bright and faint stars on each plate with the known photometric magnitudes.

*Formula connecting Diameter and Magnitude.*

EXPOSURE 40 <sup>m</sup> .															
Plate.	Field.	Range of Magnitudes and No. of Stars.			Deduced Formula $m = C - n\sqrt{d}$ .	Diameter given by Formula									
						8 <sup>m</sup> ·0	9 <sup>m</sup> ·0	10 <sup>m</sup> ·0	11 <sup>m</sup> ·0	12 <sup>m</sup> ·0	13 <sup>m</sup> ·0	14 <sup>m</sup> ·0	15 <sup>m</sup> ·0		
		m		m											
1517	S Cassiopeiaë	8·76	1	13·93	3	15·7—0·68 $\sqrt{d}$	130	97	72	48	30	16	6	...	
5800	S Cassiopeiaë	8·76	1	13·93	3	15·7—0·68 $\sqrt{d}$	130	97	72	48	20	16	6	...	
3719	S Cassiopeiaë	9·92	2	14·12	2	16·0—0·75 $\sqrt{d}$	114	87	64	44	29	16	7	...	
3878	R Ursæ Maj.	8·49	2	14·01	3	16·7—0·74 $\sqrt{d}$	139	109	83	59	41	25	13	5	
3436	R Ursæ Maj.	7·94	2	14·01	3	15·8—0·85 $\sqrt{d}$	84	64	47	32	21	11	5	...	
4019	R Ursæ Min.	8·76	4	12·55	3	16·6—0·90 $\sqrt{d}$	91	71	54	40	26	16	8	3	
3515	R Ursæ Min.	8·94	2	12·55	3	16·1—0·87 $\sqrt{d}$	87	67	49	35	22	13	6	2	
3469	R Draconis	8·91	3	14·43	3	17·2—1·00 $\sqrt{d}$	85	67	52	38	27	18	10	5	
3482	R Draconis	7·16	2	14·43	3	17·6—1·00 $\sqrt{d}$	92	74	58	44	31	21	13	7	
4587	T Cephei	8·46	2	12·55	2	16·4—0·87 $\sqrt{d}$	96	74	56	40	26	16	8	3	
3223	T Cephei	8·12	1	12·55	2	16·3—0·81 $\sqrt{d}$	105	82	61	43	28	17	8	3	
6058	Pole	10·00	4	14·40	4	16·6—0·95 $\sqrt{d}$	82	64	48	35	24	15	7	3	
6050	Pole	10·00	4	14·40	4	16·2—0·78 $\sqrt{d}$	111	85	63	45	29	17	8	2	
5955	Pole	10·00	4	14·40	4	16·1—0·95 $\sqrt{d}$	73	56	41	29	19	11	5	1	
5964	Pole	10·00	4	14·40	4	16·4—0·98 $\sqrt{d}$	73	57	43	31	21	12	6	2	
6200	Nova Persei	7·70	5	12·50	9	14·6—0·77 $\sqrt{d}$	73	53	36	22	11	4	1	...	
6202	„	7·70	5	12·50	9	16·0—0·79 $\sqrt{d}$	103	79	58	40	26	14	6	2	
6204	„	7·70	5	12·50	9	15·2—0·84 $\sqrt{d}$	73	54	38	25	15	7	2	1	
6161	„	7·70	5	12·50	9	14·7—0·78 $\sqrt{d}$	74	53	36	22	12	5	1	...	

The mean formula derived from these Chart plates (exposure 40<sup>m</sup>) is

$$m = 16·1 - 0·84 \sqrt{d}.$$

The mean formula derived from these Chart plates (exposure 40<sup>m</sup>) is  
 $m = 16·1 - 0·84\sqrt{d}$ .

*Formula connecting Diameter and Magnitude.*

EXPOSURE 6 <sup>m</sup> .												
Plate.	Field.	Range of Magnitudes and Number of Stars.				Deduced Formula $m = C - n\sqrt{d}$ .	Diameter given by Formula					
		m		m			8 <sup>m</sup> .0	9 <sup>m</sup> .0	10 <sup>m</sup> .0	11 <sup>m</sup> .0	12 <sup>m</sup> .0	13 <sup>m</sup> .0
4601	S Cassiopeiae	8.76	1	12.07	2	$13.6 - 0.63 \sqrt{d}$	80	54	33	17	6	
4767	S Cassiopeiae	8.76	1	11.87	1	$13.3 - 0.82 \sqrt{d}$	56	27	16	8	3	
3409	R Ursæ Majoris	8.49	2	11.75	2	$13.4 - 0.75 \sqrt{d}$	51	34	20	10	3	
2469	R Ursæ Majoris	7.94	2	11.75	2	$13.3 - 0.83 \sqrt{d}$	41	27	16	8	2	
1998	R Ursæ Majoris	8.85	2	10.74	2	$14.3 - 0.86 \sqrt{d}$	52	38	25	15	7	
2708	R Ursæ Minoris	8.94	2	12.55	3	$14.7 - 0.82 \sqrt{d}$	67	48	33	20	11	4
4027	R Ursæ Minoris	8.76	4	12.55	2	$14.7 - 0.89 \sqrt{d}$	57	41	28	17	9	4
2660	R Draconis	8.84	2	11.80	2	$13.9 - 0.79 \sqrt{d}$	56	39	24	13	6	
2652	R Draconis	7.16	2	12.04	3	$14.4 - 0.86 \sqrt{d}$	56	40	26	16	8	3
2776	T Cephei	8.12	1	11.76	2	$14.3 - 0.84 \sqrt{d}$	58	40	26	15	7	2
2771	T Cephei	8.12	1	11.76	2	$14.1 - 0.77 \sqrt{d}$	63	44	28	16	7	2
5013	Pole	10.00	4	12.80	3	$14.5 - 0.85 \sqrt{d}$	59	42	28	17	9	
6200	Nova Persei	7.70	5	10.73	3	$12.0 - 0.59 \sqrt{d}$	46	26	12	3		
6202	"	7.70	5	10.73	3	$13.2 - 0.68 \sqrt{d}$	59	38	22	11	3	}
"	"	7.70	5	12.00	17	$13.6 - 0.73 \sqrt{d}$	59	40	24	13	5	
6204	"	7.70	5	10.73	3	$12.3 - 0.65 \sqrt{d}$	45	26	13	4		}
"	"	7.70	5	12.00	15	$13.5 - 0.81 \sqrt{d}$	46	31	19	10	3	
6160	"	7.70	5	10.73	3	$12.4 - 0.63 \sqrt{d}$	49	29	15	5		}
6168	"	7.70	5	10.73	3	$12.6 - 0.66 \sqrt{d}$	49	30	16	6		
"	"	7.70	5	12.00	17	$13.4 - 0.77 \sqrt{d}$	49	33	20	10	3	}
6178	"	7.70	5	10.73	3	$12.6 - 0.62 \sqrt{d}$	55	34	18	7		
"	"	7.70	5	11.27	10	$12.8 - 0.64 \sqrt{d}$	56	35	19	8	2	}

The mean formula deduced from these Catalogue plates (exposure 6<sup>m</sup>) is

$$m = 13.7 - 0.77 \sqrt{d}.$$

For four of the photographs of *Nova Persei* two determinations are given for comparison. In the first of these the same group of stars is used for all the plates, and in the second, groups near the limits of the several plates. In forming the mean the second solution has been used.

*Formula connecting Diameter and Magnitude.*

EXPOSURE 3 <sup>m</sup> .											
Plate.	Field.	Range of Magnitude and Number of Stars.				Deduced Formula $M = C - n\sqrt{d}$ .	Diameter given by Formula.				
		m		m			8 <sup>m</sup> .0	9 <sup>m</sup> .0	10 <sup>m</sup> .0	11 <sup>m</sup> .0	12 <sup>m</sup> .0
6200	Nova Persei	7.70	5	10.36	9	$11.9 - 0.66\sqrt{d}$	35	19	8	2	
6202	"	7.70	5	11.74	7	$13.0 - 0.70\sqrt{d}$	51	33	18	8	2
6204	"	7.70	5	11.55	12	$13.3 - 0.84\sqrt{d}$	40	26	15	8	2
6160	"	7.70	5	10.46	7	$12.5 - 0.70\sqrt{d}$	41	25	13	5	1
6168	"	7.70	5	12.00	12	$13.5 - 0.86\sqrt{d}$	41	27	17	8	3
6178	"	7.70	5	10.59	9	$12.1 - 0.61\sqrt{d}$	45	26	12	3	
5013	Pole	10.00	4	12.37	3	$14.2 - 0.94\sqrt{d}$	44	31	20	12	5

The mean formula deduced from these Catalogue plates (exposure 3<sup>m</sup>) is  
 $m = 12.9 - 0.76\sqrt{d}$ .

Formula connecting Diameter and Magnitude.

EXPOSURE 20 <sup>s</sup> .									
Plate.	Field.	Range of Magnitude and Number of Stars.				Deduced Formula $m = C - n\sqrt{d}$ .	Diameter given by Formula		
		m		m			8 <sup>m</sup> .0	9 <sup>m</sup> .0	10 <sup>m</sup> .0
2708	R Ursæ Minoris	8.94	2	10.88	4	$12.4 - .73 \sqrt{d}$	36	22	11
4027	R Ursæ Minoris	8.76	4	10.67	3	$12.1 - .89 \sqrt{d}$	28	17	9
2652	R Draconis	7.16	2	9.98	4	$12.3 - .96 \sqrt{d}$	20	12	6
6200	Nova Persei	7.70	5	9.39	8	$10.8 - .68 \sqrt{d}$	17	7	1
6202	„	7.70	5	9.92	11	$11.1 - .69 \sqrt{d}$	20	9	3
6204	„	7.70	5	9.25	8	$11.2 - .87 \sqrt{d}$	14	6	2
6160	„	7.70	5	9.38	8	$11.1 - .75 \sqrt{d}$	17	8	2
6168	„	7.70	5	9.40	9	$11.3 - .83 \sqrt{d}$	16	8	2
6178	„	7.70	5	9.25	8	$11.0 - .69 \sqrt{d}$	19	8	2

The mean formula deduced from these Catalogue plates (exposure 20<sup>s</sup>) is

$$m = 11.5 = 0.79 \sqrt{d}.$$

The formulæ thus obtained are :—

$$\begin{aligned}
 m &= 16.1 - 0.84 \sqrt{d} \text{ for exposure } 40^m \text{ from 19 plates.} \\
 m &= 13.7 - 0.77 \sqrt{d} \text{ " " } 6^m \text{ " 18 " } \\
 m &= 12.9 - 0.76 \sqrt{d} \text{ " " } 3^m \text{ " 6 " } \\
 m &= 11.5 - 0.79 \sqrt{d} \text{ " " } 20^s \text{ " 9 " }
 \end{aligned}$$

The formula  $m = 13.7 - 0.77 \sqrt{d}$  has been adopted as expressing the relation between diameter and photometric magnitude for the measures of 6<sup>m</sup> images on Catalogue plates given in this volume.

The following table gives the diameter for different photometric magnitudes and the corresponding magnitudes of the *Bonn Durchmusterung* scale as given in the *Harvard Annals*, Vol. xxiii. p. 184.

Photom. Mag.	B. D. Mag.	Diam.	Photom. Mag.	B. D. Mag.	Diam.	Photom. Mag.	B. D. Mag.	Diam.	Photom. Mag.	Diam.	Photom. Mag.	Diam.	Photom. Mag.	Diam.
m	m		m	m		m	m		m		m		m	
7.0	7.0	75	8.0	8.0	54	9.0	8.8	37	10.0	23	11.0	12	12.0	5
7.1	7.1	73	8.1	8.1	51	9.1	8.9	35	10.1	22	11.1	11	12.2	4
7.2	7.2	71	8.2	8.2	50	9.2		34	10.2	20	11.2	10	12.4	3
7.3	7.3	68	8.3		49	9.3	9.0	32	10.3	19	11.3	10	12.6	2
7.4	7.4	66	8.4	8.3	47	9.4		31	10.4	18	11.4	9		
7.5	7.5	64	8.5	8.4	45	9.5	9.1	29	10.5	17	11.5	8		
7.6	7.6	62	8.6	8.5	44	9.6		28	10.6	16	11.6	7		
7.7	7.7	60	8.7	8.6	42	9.7	9.2	27	10.7	15	11.7	6		
7.8	7.8	58	8.8	8.7	40	9.8		25	10.8	14	11.8	6		
7.9	7.9	56	8.9		39	9.9		24	10.9	13	11.9	5		

This mean formula may be considered to give a fair approximation to the photographic magnitudes, especially when the mean of the diameters on the two plates on which a star occurs is taken. For a closer approximation the corrections to the photographic magnitudes may be deduced from the B. D. stars corrected to the photometric scale as in the above table.

It is to be noted that there are presumably two independent constants for each plate, viz., C and the factor n.

The mean discordance of the different determinations of n for the Catalogue plates is  $\pm .08$ . By comparison with the B. D. stars a correction to the magnitude given by the formula can be found for stars of about 9<sup>m</sup>.0. In passing to 12<sup>m</sup>.0 the uncertainty  $\pm .08$  in the factor represents about 0.3 of a magnitude.



## VI. MEASURES OF POSITION.

*Personality of Measurers.*

From an examination of the measures made by different measurers it was seen that they were to a small but appreciable extent affected by personality, and it was found that this depended on the direction of measurement and was almost entirely eliminated by a second measurement by the same measurer with the plate placed in the reverse position in the measuring machine. As explained on p. iii. the duplicate measurement of the plates was undertaken as a result of the meeting of the Astrographic Committee at Paris in 1896 June, with a view to greater accuracy and the elimination of personality, Zones 65°, 66° and 67° having already been measured in the direct position. On the completion of the remeasurement in the reversed position of these zones, a comparison was made of the direct and reversed measures of all the stars between Dec. +65° and Dec. +68°. As this investigation involved many thousands of measures of about 300 plates by 8 measurers, a brief account of this work is of interest as regards the general question of personality, and it is of further importance, as corrections were obtained and applied to the actual measures in these zones. For convenience, each book of measures was treated separately: the differences between the direct and reversed measures were tabulated for each combination of measurers; the following table gives the result of the tabulation for one book of measures, in which the unit employed is '0001 of a *réseau* interval = 0".03.

ZONE 66°, R.A. 6<sup>h</sup> 0<sup>m</sup>–11<sup>h</sup> 24<sup>m</sup>.

*Differences of Measures, Direct—Reversed, as made by different Combinations of Observers.*

On Plates Dec. + 66°. (North Halves).      On Plates Dec. + 67°. (South Halves).

Measurers.				No. of Stars.	Sum of Diffs.	No. of Stars.	Sum of Diffs.	No. of Stars.	Sum of Diffs.	No. of Stars.	Sum of Diffs.
Direct.		Reversed.									
6 <sup>m</sup> .	3 <sup>m</sup> .	6 <sup>m</sup> .	3 <sup>m</sup> .								
					<i>x</i>		<i>y</i>		<i>x</i>		<i>y</i>
J.	J.	J.	P.M.	36	+536	39	+288	59	+1214	59	+273
J.	J.	W.S.	P.M.	6	+35	6	+76	8	+96	8	+33
J.	J.	C.D.	P.M.	15	+142	15	+792	29	+216	29	-49
W.S.	W.S.	J.	P.M.	32	+249	32	-219	57	-286	57	-1
W.S.	W.S.	J.	E.S.	37	+192	37	-292	29	-145	29	-35
W.S.	W.S.	W.S.	P.M.	67	+316	65	-672	67	-824	68	-76
W.S.	W.S.	W.S.	E.S.	102	+692	102	-1087	104	-1503	107	-669
W.S.	W.S.	P.M.	E.S.	16	+62	16	-96	17	-199	18	+72
W.S.	W.S.	C.D.	J.	18	+132	19	-221	19	+65	20	-21
P.M.	P.M.	J.	W.S.	29	-90	27	+21	38	-202	36	+27
P.M.	P.M.	J.	P.M.	18	-198	19	+32	55	-330	55	+261
P.M.	P.M.	W.S.	E.S.	50	-293	49	-525	47	-561	47	+290
P.M.	P.M.	C.D.	P.M.	23	-286	23	-71	19	-264	19	+27
E.S.	E.S.	W.S.	E.S.	53	+53	52	-526	61	-680	62	-701
E.S.	E.S.	C.D.	P.M.	3	-8	3	-21	4	+47	4	-38
E.S.	E.S.	J.	W.S.	7	+41	7	-103	10	-57	10	-86
E.S.	E.S.	J.	P.M.	31	+206	31	-57	30	+5	29	-378
E.S.	E.S.	J.	E.S.	20	+89	20	-69	25	+48	25	-8

Denoting by the subscripts 1 and 2 that a measure was made in the direct and reversed positions respectively, the above table gives equations of condition of the form  $36 \{J_1 - \frac{1}{2} (J_2 + PM_2)\} = +536$ . From these, normal equations were obtained and solved in the usual way. The following tables give the results of these solutions arranged according to the date of the measures made in the direct position. They are further separated into the measures made with the left-hand and the right-hand microscope.

*Personality of Measurers with the Left Hand Microscope of the Duplex Micrometer (Unit 0".03).*In  $x$  co-ordinate.

Zone.	Limiting R.A.	Declination of Centre and Part Measured.	Date of Measurement.		AE <sub>1</sub>	AE <sub>2</sub>	CD <sub>1</sub>	CD <sub>2</sub>	J <sub>1</sub>	J <sub>2</sub>	WS <sub>1</sub>	WS <sub>2</sub>	PM <sub>1</sub>	PM <sub>2</sub>	ES <sub>1</sub>	ES <sub>2</sub>	E <sub>1</sub>	E <sub>2</sub>	St <sub>1</sub>	St <sub>2</sub>
			Direct.	Reversed.																
64	h m h m																			
64	0° 0' to 10° 48'		1896 Feb. and June.	1896 Nov.-Dec.																
64	10° 48' ,, 17° 24'		1896 June-Dec.	1896 Dec.-1897 Jan.																
64	17° 24' ,, 21° 0'		1897 June.	1897 June-July.																
64	21° 0' ,, 0° 0'		1897 July-Aug.	1897 July-Aug.																
65	0° 0' ,, 5° 15'	66° South halves	1896 Jan.	1896 June-Aug.			+ 9	+10	- 9	0	- 1	- 9	- 1	- 6	+ 4					
65	5° 15' ,, 10° 57'		1896 March.	1896 Aug.-Sept.				+ 9	- 3	+ 2	- 8	- 8	+ 7	- 3	+ 2					
65	10° 57' ,, 16° 57'		1895 May.	1896 Sept.				+ 9	- 6	+ 5	- 8		+ 5		+ 2					
65	16° 57' ,, 20° 24'		1894 Nov. 1895 Aug.	1896 Sept.-Oct.	+ 2		+ 2	- 2	+ 7	- 8	+ 5	- 3		+ 4		+ 2				
65	20° 24' ,, 0° 0'		1895 March-Nov.	1896 Oct.-Nov.	0		- 2	- 2	+ 9	- 7	+ 1	- 4	+ 5	+ 2		- 4				
66	0° 0' ,, 6° 0'	66° North halves	1896 Jan.	1897 Jan.-Feb.					+14	-10	- 2	- 2	- 8	- 2	+ 2	- 8				
66	6° 0' ,, 11° 24'		1896 April.	1897 March.					+ 9	- 7	+ 3	- 4	-10	+ 1	- 2	0				
66	11° 24' ,, 16° 20'		1895 May.	1897 March-April.	- 2		- 9	- 4	+ 6	-11	+ 8	- 2		+ 1		- 7				
66	16° 20' ,, 19° 40'		1895 Jan.-Oct.	1897 April-May.	- 6		0	- 5	+ 7	-11	+ 5	- 1		0		- 7				
66	19° 40' ,, 0° 0'		1895 Feb.-Nov.	1897 May-June.			+ 1	0	+ 6	- 4	+ 2	- 3	0	- 4		+ 1				
67	0° 0' ,, 5° 40'	68° South halves	1896 Feb.	1897 Sept.					+11		+ 3	- 1	- 1	0	- 6	- 7		- 8		+ 5
67	5° 40' ,, 10° 40'		1896 May.	1897 Sept.-Oct.					+12		+ 1	+ 6	- 5	- 2	- 4	- 2		-12		+ 9
67	10° 40' ,, 16° 30'		1895 June.	1897 Oct.-Nov.	- 2		- 8	+ 3	+ 8		+ 3	+ 1	- 5	0	+ 6	- 5		-11		+13
67	16° 30' ,, 20° 0'		1895 Feb.-Nov.	1897 Nov.	- 2		- 9	-20	+ 3	+ 1	+ 1	-15	+ 8	+ 6		- 4		-11		+14
67	20° 0' ,, 0° 0'		1895 Dec.	1897 Nov.-Dec.	+ 1		+ 3	+ 9	+ 9		+ 2	- 1	0	- 1		+ 1		- 2		+17
			Means		-1'3		-2'8	-1'3	+8'6	-6'8	+2'4	-3'0	-3'0	+1'0	-1'9	-2'1		-8'8		+11'6

In  $y$  co-ordinate.

64	h m h m																			
64	0° 0' to 10° 48'		1896 Feb.-June.	1896 Nov.-Dec.																
64	10° 48' ,, 17° 24'		1896 June-Dec.	1896 Dec.-1897 Jan.																
64	17° 24' ,, 21° 0'		1897 June.	1897 June-July.																
64	21° 0' ,, 0° 0'		1897 July-Aug.	1897 July-Aug.																
65	0° 0' ,, 5° 15'	66° South halves	1896 Jan.	1896 June-Aug.			+ 5	+ 5	- 4	- 7	+ 8	+ 6	- 2	+ 3	0					
65	5° 15' ,, 10° 57'		1896 March.	1896 Aug. Sept.				+ 1	- 2	- 8	+ 7	- 5	-11	- 3	- 3					
65	10° 57' ,, 16° 57'		1895 May.	1896 Sept.				0	- 7	+ 1	+ 4		- 4		- 6					
65	16° 57' ,, 20° 24'		1894 Nov.-1895 Aug.	1896 Sept.-Oct.	- 5		- 7	+ 1	- 3	- 2	- 6	+11		- 8		- 8				
65	20° 24' ,, 0° 0'		1895 March-Nov.	1896 Oct.-Nov.	+ 1		- 1	+10	+ 3	- 4	- 7	+10	+11	- 1		- 1				
66	0° 0' ,, 6° 0'	66° North halves	1896 Jan.	1897 Jan.-Feb.					+ 1	- 5	- 5	+ 9	+ 4	+ 2	+10	+ 1				
66	6° 0' ,, 11° 24'		1896 April.	1897 March.					+ 6	- 5	- 8	+ 5	- 4	- 1	- 6	+ 4				
66	11° 24' ,, 16° 20'		1895 May.	1897 March-April.	- 1		- 4	+ 4	- 1	- 5	- 5	+ 9		+ 2		- 3				
66	16° 20' ,, 19° 40'		1895 Jan.-Oct.	1897 April-May.	-11		+ 1	+15	- 4	+ 2	- 4	+ 7		+ 4		- 1				
66	19° 40' ,, 0° 0'		1895 Feb.-Nov.	1897 May-June.			-11	+ 2	+ 1	- 5	- 5	+ 7	+ 9	+ 4		-11				
67	0° 0' ,, 5° 40'	68° South halves	1896 Feb.	1897 Sept.					- 4		- 9	+ 5	+ 2	+ 2	+ 6	-10				
67	5° 40' ,, 10° 40'		1896 May.	1897 Sept.-Oct.					0		- 3	+10	- 5	- 2	- 3	- 5		0		+ 9
67	10° 40' ,, 16° 30'		1895 June.	1897 Oct.-Nov.	- 5		- 4	- 1	- 2		-14	+ 7	+ 4	+ 3	+ 7	- 7		+ 4		+ 6
67	16° 30' ,, 20° 0'		1895 Feb.-Nov.	1897 Nov.	- 8		-13	+ 1	- 2		- 9	+ 3	+ 7	0		- 3		0		+ 7
67	20° 0' ,, 0° 0'		1895 Dec.	1897 Nov.-Dec.	- 2		- 4	+ 1	0		-11	+ 3	+ 4	+ 5		- 5		- 2		+ 5
			Means		-4'4		-5'3	+4'2	+0'1	-3'7	-6'7	+7'0	+3'0	-0'5	+2'0	-3'9		+0'5		+6'8

The plates whose centres are at an even degree of declination (66°, 68°, etc.) are measured with the left-hand microscope.

The plates whose centres are at declination +64° do not fall within the part of the sky allotted to Greenwich. Zone 64° was therefore measured only on the South halves of plates whose centres are at declination +65°.

*Personality of Measurers with the Right Hand Microscope of the Duplex Micrometer. (Unit 0".03.)*

*In x Co-ordinate.*

Zono.	Limiting R.A.	Declination of Centre and Part Measured.	AE <sub>1</sub>	AE <sub>2</sub>	CD <sub>1</sub>	CD <sub>2</sub>	J <sub>1</sub>	J <sub>2</sub>	WS <sub>1</sub>	WS <sub>2</sub>	PM <sub>1</sub>	PM <sub>2</sub>	ES <sub>1</sub>	ES <sub>2</sub>	E <sub>1</sub>	E <sub>2</sub>	St <sub>1</sub>	St <sub>2</sub>
64	h m h m 0'0 to 10'48	65° South halves.				- 6	+10	- 6	- 6	+ 2	- 7	+ 1	+ 4	+ 7				
64	10'48 ,, 17'24				- 8	+ 5	+10	- 9	- 6	+ 5	- 4	+ 2	-14	+ 6				
64	17'24 ,, 21'0				0	+ 2			- 5	+ 3	+ 1	+ 1	- 9	+13	0	+ 3		
64	21'0 ,, 0'0				0	- 2			- 3	+ 1	+ 2	+ 1	- 9	+10	- 1	+ 5	-13	+10
65	0'0 ,, 5'15	65° North halves.				+ 6	+12	-10	-10	+ 8	- 7	+ 5	+ 3	+ 2				
65	5'15 ,, 10'57						+ 8	- 3	- 9	+ 4	-10	+ 1	- 1	+ 6				
65	10'57 ,, 16'57						+ 7	- 9	+ 1	+ 1		+12		+ 7				
65	16'57 ,, 20'24		- 6		- 8	- 1	+ 5	- 8	+ 1	+ 2		+ 6		0				
65	20'24 ,, 0'0		- 6		- 9	- 3	+12	- 8	-10	+ 6	+ 3	- 4		+ 4				
66	0'0 ,, 6'0	67° South halves.					+14	-11	- 8	+ 5	- 1	+ 2	+ 3	+ 5				
66	6'0 ,, 11'24						+16	-11	-10	+ 6	- 9	+ 2	- 5	+ 3				
66	11'24 ,, 16'20		- 2		- 3	+ 5	+ 8	-11	- 6	+ 8		+ 4		+10				
66	16'20 ,, 19'40				-11	+ 5	+ 9	-10	- 5	+ 6		+ 3		+ 4				
66	19'40 ,, 0'0				- 8	-14	+ 8	- 4	-12	+ 7	- 6	- 2		+ 5				
67	0'0 ,, 5'40	67° North halves.					+20		- 3	0	- 1	+ 3	+ 1	+ 7		+ 6		+ 6
67	5'40 ,, 10'40						+15		0	+ 9	- 8	- 1	+ 1	+10		+ 7		+ 8
67	10'40 ,, 16'30		- 1		- 4	0	+11		- 7	+ 7	- 1	+ 2	+ 2	+ 7		0		+ 8
67	16'30 ,, 20'0		- 5		- 7	-13	+ 7		-10	+ 2	+ 5	+ 3		+ 8		0		+13
67	20'0 ,, 0'0		+ 2		+ 2	-11	+10		- 9	+11	0	- 2		+11		+ 1		
	Means . .		-3'0		-5'1	-2'1	+10'8	-8'3	-6'2	+4'9	-2'9	+1'6	-2'4	+6'6	-0'5	+3'1	-13'0	+9'0

*In y Co-ordinate.*

64	h m h m 0'0 to 10'48	65° South halves.				+ 1	+ 1	+ 3	- 9	+ 4	+ 3	-13	- 2	- 6				
64	10'48 ,, 17'24				- 5	+ 4	- 1	+ 2	- 3	+ 5	- 7	- 2	- 5	- 2				
64	17'24 ,, 21'0				0	- 1			- 3	+ 3	0	+ 4	+ 5	- 3	+ 1	- 3		
64	21'0 ,, 0'0				- 8	+ 3			- 1	+ 3	- 6	+ 4	+ 2	- 4	- 1	+ 2	+ 4	+ 4
65	0'0 ,, 5'15	65° North halves.				+14	- 2	+ 4	- 7	+ 6	+ 9	- 7	+ 5	+ 5				
65	5'15 ,, 10'57						- 1	+ 6	- 3	- 1	+ 5	+ 4	- 2	- 4				
65	10'57 ,, 16'57						- 2	- 2	0	+ 5		0		- 1				
65	16'57 ,, 20'24		- 8		-12	-11	- 1	+ 1	- 2	+ 3		- 6		0				
65	20'24 ,, 0'0		- 1		- 1	+ 9	+ 2	- 2	- 6	+ 6	+12	- 6		- 1				
66	0'0 ,, 6'0	67° South halves.					+ 2	0	- 3	+ 2	- 3	+ 1	+13	+ 3				
66	6'0 ,, 11'24						+ 1	- 1	- 5	+ 4	+ 3	- 7	-11	- 7				
66	11'24 ,, 16'20		- 6		- 6	+ 8	- 2	- 1	- 3	+ 6		- 6		- 6				
66	16'20 ,, 19'40				- 4	0	+ 1	+ 1	- 4	+ 2		+ 1		- 5				
66	19'40 ,, 0'0				-12	- 3	0	+ 2	- 6	+ 3	+ 7	+ 2		-10				
67	0'0 ,, 5'40	67° North halves.					- 2		- 9	0	+ 7	+ 3	+ 3	- 6		+ 3		+ 6
67	5'40 ,, 10'40						- 5		- 5	- 1	+ 7	- 1	-12	- 8		- 3		+ 5
67	10'40 ,, 16'30		- 8		- 8	0	- 4		-12	+ 3	+ 4	+ 5	- 3	- 3		+ 1		+ 3
67	16'30 ,, 20'0		-12		-13	- 3	- 6		-11	- 4	+ 9	+ 6		- 6		- 3		+ 1
67	20'0 ,, 0'0		0		- 3	- 3	- 3		- 9	+ 7	+ 5	- 3		- 3		+ 4		
	Means . .		-5'8		-6'5	+1'4	-1'3	+1'1	-5'3	+2'9	+3'7	-1'1	-0'6	-3'5	0'0	0'0	+4'0	+3'8

The plates whose centres are at an odd degree of declination (65°, 67°, etc.) are measured with the right-hand microscope.



In the above table the zero is necessarily arbitrary. As Mr Johns (J) and Mr Stevens (WS) had measured for a long period, the zero for the measures of zones 64°, 65°, and 66° was chosen so that  $J_1 + J_2 + WS_1 + WS_2 = 0$ . Mr Johns left the observatory before the remeasuring of Zone 67° in the reversed position was begun, and therefore for this zone the zero was chosen so that  $WS_1 + WS_2 + PM_1 + PM_2 = 0$ , Mr Melotte (PM) having measured continuously for a long time.

From the means of the above results with changed signs the following table of corrections to be applied to the measures was derived :—

*Table of Corrections applied for Personality of Measurers for Zones 64°, 65°, 66°, and 67°.*

(Unit =  $^{\text{int}} \cdot 0001 = 0''.03$ .)

	Measures of $x$ Co-ordinate.				Measures of $y$ Co-ordinate.	
	Measures made with the Right-hand Microscope.		Measures made with the Left-hand Microscope.		Measures made with either Microscope.	
	Direct.	Reversed.	Direct.	Reversed.	Direct.	Reversed.
AE	+ 3		+ 1		+ 5	
CD	+ 5	+ 2	+ 3	+ 1	+ 6	— 3
J	— 11	+ 8	— 9	+ 7	+ 1	+ 1
WS	+ 6	— 5	— 2	+ 3	+ 6	— 5
PM	+ 3	— 2	+ 3	— 1	— 4 or + 2*	+ 4 or — 2*
ES	+ 3	— 7	+ 2	+ 2	0	+ 4
E	+ 1	— 4		+ 9	0	0
St	+ 13	— 9		— 12	— 4	— 5

\* For PM the values + 2 and — 2 were used for measures in Zone 64° which were made at a later date.

These corrections have been applied throughout for the Zones 64°, 65°, 66°, 67°.

It will be remarked that the mean correction for the measures direct and reversed by the same measurer is nearly zero.

As a result of the above investigation it was decided that in future measures the same measurer should measure the 6<sup>m</sup> images in the direct and reversed positions of the plate and a second measurer the 3<sup>m</sup> images. The measures of the 6<sup>m</sup> and 3<sup>m</sup> images in the same position of the plate are usually made on the same day, but the measures in the reversed position are generally made a week or two later than those in the direct position. In this way the necessity for determining and applying a correction for personality is avoided, since the measurement of the plates in direct and reversed positions virtually eliminates personality, as seems clear from the above table.

#### *Probable Error of the Measures.*

For determination of the probable error of the measures of a star image and also of the probable error of the determination of positions of stars, including the errors inherent in the photographic images of the star and the *réseau* lines, two investigations were made in 1896 July, early in the course of the work :—

- (i) Ten measures of the same plate were made by five measurers, each measurer measuring the plate in direct and reversed positions.
- (ii) Five plates of the same field taken at different times and under different conditions were measured by one measurer.

The values for the discordance of the mean of the measures of a 6<sup>m</sup> and 3<sup>m</sup> image by one observer in one position (direct or reversed) from the mean of ten such measures of 113 stars on Plate 3139 were found to be for the different measurers, as follow :—

Measurer.	CD <sub>1</sub> .	CD <sub>2</sub> .	J <sub>1</sub> .	J <sub>2</sub> .	WS <sub>1</sub> .	WS <sub>2</sub> .	PM <sub>1</sub> .	PM <sub>2</sub> .	ES <sub>1</sub> .	ES <sub>2</sub> .
<i>x</i> co-ordinates.....	± ".141	± ".141	± ".294	± ".195	± ".279	± ".237	± ".336	± ".288	± ".219	± ".216
<i>y</i> co-ordinates.....	± ".228	± ".207	± ".219	± ".216	± ".270	± ".213	± ".225	± ".222	± ".189	± ".186

When corrected for personality these are considerably reduced, becoming

<i>x</i> co-ordinates.....	± ".120	± ".135	± ".219	± ".186	± ".177	± ".174	± ".231	± ".222	± ".213	± ".186
<i>y</i> co-ordinates.....	± ".150	± ".195	± ".219	± ".174	± ".171	± ".159	± ".219	± ".219	± ".186	± ".183

The means of the above discordances corrected for personality are ± ".186 in the *x* co-ordinate and ± ".187 in the *y* co-ordinate, which lead (after multiplication by  $\sqrt{\frac{10}{9}} \times .845$ ) to a probable error in each co-ordinate of ± ".166. Thus the probable error of a complete measure (two images, direct and reversed) corrected for personality is ± ".117. If, instead of applying a correction for personality, the means of the measures, direct and reversed, are taken for each observer, the discordances from the mean for the several observers are :—

Measurer.	$\frac{CD_1 + CD_2}{2}$	$\frac{J_1 + J_2}{2}$	$\frac{WS_1 + WS_2}{2}$	$\frac{PM_1 + PM_2}{2}$	$\frac{ES_1 + ES_2}{2}$
<i>x</i> co-ordinates.....	± ".108	± ".153	± ".114	± ".132	± ".144
<i>y</i> co-ordinates.....	± ".131	± ".159	± ".126	± ".141	± ".132

The probable error of a complete measure deduced by multiplying the mean by  $\sqrt{\frac{5}{4}} \times .845$  is ± 0".127.

Five plates were completely measured by Mr Stevens (WS). In each case the means of the measures of the 6<sup>m</sup> and 3<sup>m</sup> images were taken, and the plates were measured in direct and reversed positions. The plate constants were formed exactly as is done in practice by comparing the measured co-ordinates with the standard co-ordinates of the reference stars of which there were 22 on these plates. Corrections of the form  $ax + by + c$ ,  $dx + ey + f$  were applied to each measured co-ordinate, thus giving ten comparable values of the co-ordinates of 121 stars. The means of the ten measures of a co-ordinate were taken for each star and the differences from the mean formed. The mean values of the 121 differences for each set of measures are given in the first line, and the mean discordances, irrespective of sign, in the second.

Plate.	419 <sub>1</sub>	419 <sub>2</sub>	3139 <sub>1</sub>	3139 <sub>2</sub>	3150 <sub>1</sub>	3150 <sub>2</sub>	3151 <sub>1</sub>	3151 <sub>2</sub>	3089 <sub>1</sub>	3089 <sub>2</sub>
<i>x</i> co-ordinates.....	− 0".24 ± 0".42	0".00 ± 0".35	− 0".16 ± 0".25	+ 0".28 ± 0".35	− 0".19 ± 0".34	− 0".09 ± 0".26	+ 0".01 ± 0".28	+ 0".06 ± 0".25	+ 0".08 ± 0".27	+ 0".20 ± 0".29
<i>y</i> co-ordinates.....	− 0".17 ± 0".34	− 0".12 ± 0".31	+ 0".03 ± 0".20	+ 0".14 ± 0".29	− 0".10 ± 0".19	− 0".02 ± 0".24	0".00 ± 0".21	+ 0".29 ± 0".36	− 0".05 ± 0".26	0".00 ± 0".24

The mean of these discordances is  $\pm 0''.285$ , and the probable error of a single measure of a 6<sup>m</sup> and 3<sup>m</sup> image is  $\pm 0''.254$ , and therefore the probable error of a complete measure direct and reversed is  $\pm 0''.180$ . If the means of the direct and reversed measures are taken before the discordances are formed, the results are

Plate.	419.	3139.	3150.	3151.	3089.
<i>x</i> co-ordinates.....	$\pm ''34$	$\pm ''18$	$\pm ''27$	$\pm ''20$	$\pm ''25$
<i>y</i> co-ordinates.....	$\pm ''30$	$\pm ''17$	$\pm ''20$	$\pm ''23$	$\pm ''21$

and the probable error deduced from the mean of these discordances is  $\pm ''222$ .

It is to be noted that in this probable error is included (i) the error of the measuring; (ii) the errors inherent in the photographic image of the star and *réseau* lines; (iii) the errors introduced through errors of the plate constants arising from these causes, but not the part arising from the errors of the assumed right ascensions and declinations of the reference stars.

A further discussion of probable errors of places of the stars deduced from the photographs has been made by comparing the separate results of pairs of plates for a limited number of stars. The right ascensions and declinations of 240 stars between 70° Dec. and 72° Dec. have been deduced, with the provisional plate constants given in this Introduction, one star being taken in each quarter of the overlapping plates in these zones. A comparison of the results from the two plates on which each star was shown was made, the mean differences being found to be  $\pm ''43$  in R.A. and  $\pm ''46$  in Dec. From this it results that the probable errors (in arc of a great circle) of the right ascension and declination of a star deduced from the measures on one plate are  $\pm ''26$  in R.A. and  $\pm ''28$  in Dec., and that the probable error of a catalogue place from the mean of two plates may be taken as  $\pm ''19$  in both R.A. and Declination. These results were obtained with provisional places of the reference stars, the accidental errors of which affect the plate constants to some extent. In order to obtain more accurate places of the reference stars for determination of plate constants, these stars are being re-observed with the transit-circle at Greenwich, and when these observations are completed in the course of a couple of years, the accuracy of the plate constants will be materially increased. From a discussion of the observations of the reference stars from N.P.D. 0° to 5°, now completed, it appears that the probable error of a meridian catalogue place (5 observations in each element) is  $\pm 0''.23$  in R.A. or N.P.D.

#### *Errors of Réseaux.*

The *réseaux*, obtained from M. Gautier, which were employed in the work are ruled with lines 5<sup>mm</sup> apart. The lines are numbered from 1 to 27 in both co-ordinates, the numbering increasing with the Right Ascension or with the Declination, and the intersection of the 14th lines indicates the centre of the plate.



They are as follows :—

Number.	When brought into use.	Nos. of Plates on which it is printed.
49	1891, December 11.....	213-394
34	1892, May 23.....	395-1529
35	1893, October 4.....	1530-2673
71	1895, June 8.....	2674-3250
72	1896, September 16.....	3251-3838
80	1898, January 24.....	3839-4369
81	1899, March 13.....	4370-4627
90	1899, August 20.....	4628-4985

The errors of Nos. 34, 35, 71, 72, 80, 81, 90 have all been investigated. As there are only eight photographs in this volume with which *réseaux* No. 49 has been used, it has been considered unnecessary to determine its errors, the errors of all the *réseaux* investigated being found to be very small.

The errors have been determined by comparison with a glass scale, the simplex micrometer being used for this purpose. For the *réseaux* first measured, each interval of the *réseau* from 1 to 14 and again from 14 to 27 was compared with each of 13 intervals of the scale, the arrangement of the measurement being made so as to avoid cumulative error as far as possible. The objection to this method of measurement is the length of time taken in each stage, during which changes of temperature or of illumination may occur. As the result of experience the errors of *réseau* No. 90, which was used for the photographs of Eros taken at the opposition 1899-1900 as well as for some of the Astrographic plates, were determined as follows :—

The intervals 2-8, 8-14, 14-20, 20-26 at the central parts of the lines were each compared with the same interval of the glass scale. Four complete sets of measures of these intervals gave for the excess of each interval over the mean of the four :

*x* Co-ordinate.

	2-8.	8-14.	14-20.	20-26.
	int.	int.	int.	int.
	+ '00067	— '00001	— '00009	— '00059
	+ '00071	— '00007	— '00017	— '00048
	+ '00070	+ '00013	— '00015	— '00068
	+ '00069	+ '00003	— '00014	— '00059
Mean.....	+ '00069	+ '00002	— '00014	— '00059

*y* Co-ordinate.

	2-8.	8-14.	14-20.	20-26.
	int.	int.	int.	int.
	— '00017	— '00019	— '00002	+ '00037
	— '00025	— '00009	— '00011	+ '00044
	— '00028	— '00010	+ '00001	+ '00037
	— '00020	— '00012	— '00007	+ '00038
Mean.....	— '00023	— '00012	— '00005	+ '00039

Taking the lengths 2-26 as the standard in each case, the division errors of the primary divisions at 8, 14 and 20 are as follows :—

	2.	8.	14.	20.	26.
	int.	int.	int.	int.	int.
<i>x</i> co-ordinate.....	·00000	+ ·00069	+ ·00071	+ ·00058	·00000
<i>y</i> co-ordinate.....	·00000	— ·00023	— ·00035	— ·00040	·00000

Each of the single intervals of the *réseau* from 1-27 was now compared with each of six consecutive intervals of the glass scale.

If the six lengths of the scale be called *a, b, c, d, e, f*, the intervals 1-2, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8 were compared with them according to the following scheme :—

1-2.	2-3.	3-4.	4-5.	5-6.	6-7.	7-8.
<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>	<i>f</i> <i>e</i> <i>d</i> <i>c</i> <i>b</i> <i>a</i>

In the first setting 1-2 was compared with *f*; in the second 1-2 with *e* and 2-3 with *f*; in the third 1-2 with *d*, 2-3 with *e*, and 3-4 with *f*; and so on, the relative positions of the scale and *réseau* being changed by one division at each setting.

In this way cumulative error was as far as possible avoided, and a comparison effected between each of the intervals 1-2, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8 and the mean  $\frac{1}{6}(a + b + c + d + e + f)$  of the six intervals of the glass scale. Using the values of the terminal division errors at 2 and 8, those at the intermediate points and the one exterior point are found. A similar method was applied to sub-divide 8-14, 14-20 and 20-27.

The table on the next page gives the corrections found for division error of the *réseaux*.

Generally the errors of the *réseau* lines were only determined at their central parts but for *réseau* No. 90 the errors at the points where the lines 2, 8, 14, 20, 26 in one co-ordinate meet the lines 2 and 26 in the other co-ordinate were also determined.

The following tables show how far these agree :—

*x* Co-ordinate.

At Intersection with Line.	2.	8.	14.	20.	26.
2	·00000	+ ·00053	+ ·00051	+ ·00043	·00000
14	·00000	+ ·00069	+ ·00071	+ ·00058	·00000
26	·00000	+ ·00056	+ ·00059	+ ·00059	·00000

*y* Co-ordinate.

At Intersection with Line.	2.	8.	14.	20.	26.
2	·00000	— ·00018	— ·00025	— ·00029	·00000
14	·00000	— ·00023	— ·00035	— ·00040	·00000
26	·00000	— ·00010	— ·00013	— ·00021	·00000

These results are sufficient to show that the *réseau* lines are sensibly parallel.

The inclination of the lines of *réseaux* Nos. 34, 35, 80 and 81 were determined by comparing the lengths of the sides of the square formed by the points of intersection of the lines :--

$$x = 14 \text{ with } y = 2 \text{ and } y = 26,$$

and

$$y = 14 \text{ with } x = 2 \text{ and } x = 26.$$

these four points giving a square with its sides parallel to the diagonals of the *réseau*.

The values found in this way are

No. 34,	90°	—1"
„ 35,	90°	—5
„ 80,	90°	—9
„ 81,	90°	—2

No corrections have been applied for the want of perpendicularity.

*Errors of Réseaux.*

(The unit employed is ·00001 of a *réseau* interval = "·003.)

Division.	No. 34.		No. 35.		No. 71.		No. 72.		No. 80.		No. 81.		No. 90.	
	x.	y.	x.	y.	x.	y.	x.	y.	x.	y.	x.	y.	x.	y.
1	-13	-21	+13	+04	-02	-01	+07	-13	-04	-16	-01	-09	-46	+39
2	-01	-08	+07	+13	-05	-02	-09	+05	-04	-18	-06	-10	-44	+13
3	-11	-08	+07	+08	+17	-08	-17	-07	00	-01	-05	-09	-23	+14
4	+08	+03	-17	+17	+17	-09	-29	+55	-14	+02	-08	-17	-41	+08
5	+06	+13	-10	+01	+15	-02	-41	+17	+09	+08	-07	-01	-19	+02
6	+03	+10	-17	+12	-04	-05	+04	+32	+02	+11	+01	-02	+01	-12
7	+03	+03	+06	-03	+02	+03	+15	+31	-03	+06	-07	+05	+14	-01
8	+13	+07	+08	+01	-13	+04	+21	-13	+10	+16	+05	00	+19	-02
9	+02	+14	00	-08	-08	+07	-17	-28	+10	+10	+09	+01	+37	-13
10	+03	+01	00	-11	-01	00	+04	-14	+04	-10	+13	+08	+29	-14
11	-03	00	-09	-08	-05	+02	+07	-27	+01	-03	+12	+03	+19	-20
12	-01	+08	+12	-19	-02	-04	+11	-44	-03	-05	+10	+12	+27	-11
13	-12	00	00	-08	-03	+08	+32	-05	-04	-03	-07	+12	+16	-04
14	-16	+07	+03	-05	-05	-02	+21	+17	-05	-01	-09	+13	+22	-08
15	+07	+08	-04	+23	-04	+08	-07	+32	-09	-01	+04	+20	+20	-08
16	-01	-04	-22	+09	-16	+09	+10	+40	+01	-06	+13	+10	+19	-02
17	+08	+13	-06	+04	+11	-01	-01	+04	+04	-13	+08	+19	+21	-00
18	-07	-06	-09	+18	+03	+11	+31	+19	+07	-08	+13	-04	+16	-13
19	-05	-12	00	+27	+15	+01	+37	+26	-04	+03	+19	-04	+12	-14
20	-10	-01	-05	+09	-07	-02	+09	+19	-07	-01	+05	+09	+16	-10
21	-07	+05	-07	-08	-15	-02	+14	-17	-12	-04	-05	-03	+14	-12
22	00	+02	+17	+04	00	-01	-03	+09	+09	+04	+03	-16	+03	-11
23	-19	-14	00	-17	-05	+03	-18	-12	+02	-06	-01	-06	+01	+02
24	-02	-16	-05	-05	+03	-11	-11	-39	+01	+02	-15	-11	-06	+03
25	+18	+03	+02	-22	+04	-12	-29	-14	+05	+08	-09	-08	-09	+14
26	+21	+03	+28	-17	+11	+04	-33	-37	+08	+12	-18	-08	-37	+25
27	+18	-10	+15	-22	+05	-05	-04	-31	+02	+06	-17	-06	-82	+28

No corrections have been applied for these division errors.



*Errors of Division of the Glass Diaphragms of the Measuring Micrometer.*

To determine their division errors, the diaphragms were removed from the microscopes to which they belonged and mounted on 16 c.m. glass plates. These plates were then placed, exactly as though they were photographs to be measured, in the new micrometer obtained for the measurement of photographs of Eros and such other photographs as require to be measured with great precision. It is not necessary to describe this micrometer here further than to say that the glass diaphragm in the focal plane of its microscope is mounted on perpendicular slides moved by micrometer screws. The errors of division of the diaphragms of the Astrographic micrometer were obtained by comparing different intervals with the same interval of the diaphragm in the focal plane of the new micrometer.

The division errors were determined in the same way for the  $x$  and  $y$  scales of both the diaphragms, and it is only necessary to give a detailed account of one of these, the  $x$  scale of the diaphragm of the left-hand microscope. As each scale has the same figuring twice over, it will be convenient to indicate the divisions on the right-hand side of the centre by subscript figures; thus the divisions will be denoted by 0, 1, 2, etc. to 100, and  $0_1$ ,  $1_1$ ,  $2_1$ , etc. to  $100_1$ ; 100 and  $0_1$  indicating the same division.

The intervals 0-50, 50-100,  $0_1$ - $50_1$ ,  $50_1$ - $100_1$  were first compared. Thirty-two measures of each interval were made in four sets of eight measures. The separate results of the four determinations are as follows:—

	0-50.	50-100.	$0_1$ - $50_1$ .	$50_1$ - $100_1$ .
	r	r	r	r
	- '0286	+ '0165	+ '0119	+ '0004
	- '0280	+ '0134	+ '0094	+ '0052
	- '0251	+ '0177	+ '0032	+ '0041
	- '0250	+ '0173	+ '0044	+ '0032
Mean.....	- '0267	+ '0162	+ '0072	+ '0032

The value of 1<sup>r</sup> of the screw =  $6''\cdot55 = \cdot0218$  of a *réseau* interval.

The errors of division in revolutions of screw, seconds of arc, and *réseau* intervals respectively are

0.	50.	100 or $0_1$ .	$50_1$ .	$100_1$ .
r	r	r	r	r
+ '0105	- '0162	'0000	+ '0072	+ '0104
+ '069	- '106	'000	+ '047	+ '068
int.	int		int.	irt.
+ '00023	- '00035	'00000	+ '00016	+ '00023

Each of the intervals 0-50, 50-100,  $0_1$ - $50_1$ ,  $50_1$ - $100_1$  was subdivided into five parts, sixteen measures in two sets of eight being made in each case, thus giving the

intervals 0-10, 10-20, 20-30, etc. The division errors thus obtained for the twenty-one points are

0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
$\overset{r}{+} \cdot 0105$	$\overset{r}{+} \cdot 0263$	$\overset{r}{+} \cdot 0137$	$\overset{r}{+} \cdot 0108$	$\overset{r}{-} \cdot 0096$	$\overset{r}{-} \cdot 0162$	$\overset{r}{-} \cdot 0051$	$\overset{r}{-} \cdot 0097$	$\overset{r}{-} \cdot 0033$	$\overset{r}{+} \cdot 0058$	$\overset{r}{+} \cdot 0000$
0 <sub>1</sub> .	10 <sub>1</sub> .	20 <sub>1</sub> .	30 <sub>1</sub> .	40 <sub>1</sub> .	50 <sub>1</sub> .	60 <sub>1</sub> .	70 <sub>1</sub> .	80 <sub>1</sub> .	90 <sub>1</sub> .	100 <sub>1</sub> .
$\cdot 0000$	$\overset{r}{+} \cdot 0048$	$\overset{r}{+} \cdot 0066$	$\overset{r}{+} \cdot 0189$	$\overset{r}{+} \cdot 0083$	$\overset{r}{+} \cdot 0072$	$\overset{r}{-} \cdot 0026$	$\overset{r}{+} \cdot 0056$	$\overset{r}{+} \cdot 0010$	$\overset{r}{+} \cdot 0119$	$\overset{r}{+} \cdot 0104$

Each of these secondary intervals 0-10, 10-20, etc. was next subdivided, eight measures being made in each case. As an example, the errors of the divisions 0, 1, etc. to 10 were found to be  $\overset{r}{+} \cdot 0105$ ,  $\overset{r}{+} \cdot 0036$ ,  $\overset{r}{+} \cdot 0056$ ,  $\overset{r}{+} \cdot 0113$ ,  $\overset{r}{+} \cdot 0172$ ,  $\overset{r}{-} \cdot 0135$ ,  $\overset{r}{+} \cdot 0153$ ,  $\overset{r}{+} \cdot 0094$ ,  $\overset{r}{-} \cdot 0038$ ,  $\overset{r}{+} \cdot 0123$ ,  $\overset{r}{+} \cdot 0263$ .

As explained in the description of the method of measurement of stellar photographs with the duplex micrometer, the image of the star is bisected at the intersection of the horizontal and vertical scales of the diaphragm, and the positions of the two *réseau* lines which contain it are read with reference to two divisions on opposite sides of this point which have the same numeration. Thus, in the diagram (Plate II.), for the  $x$  measures, the *réseaux* lines fall between 77-78 and 77<sub>1</sub>-78<sub>1</sub>, and for the  $y$  measures between 58-59 and 58<sub>1</sub>-59<sub>1</sub>. In the combination of the readings of the two *réseau* lines, a weight is given inversely proportional to the distance of the stars' image from them in order to correct for runs. The division errors of the scale should be combined in the same manner. Further, the position of each *réseau* line is estimated from the two divisions of the scale between which it falls, and the errors of both the scale-divisions are involved; and in the case of the measures of the  $y$  co-ordinate as the 6<sup>m</sup> and 3<sup>m</sup> images are apart, the mean of every eighth is involved. The measures being given in *réseau* intervals, the divisions of the scale on which the *réseau* lines fall are shown by the two figures following the decimal point, which are the arguments for correcting the measures.

These division-corrections have not been applied, the small errors arising from them being included in the accidental errors of measurement. The following small table gives corrections which could be applied if considered desirable, and serves to show that the errors introduced from the divisions of the scale are very small.

Left-hand micrometer	$x$ measures.	int. Apply $\overset{int.}{+} \cdot 0001$ from $\cdot 00$ to $\cdot 50$ and $\overset{int.}{-} \cdot 0001$ from $\cdot 50$ to $\cdot 00$ .
	$y$ measures.	int. Apply $\overset{int.}{+} \cdot 0001$ from $\cdot 00$ to $\cdot 10$ and from $\cdot 75$ to $\cdot 00$ and $\overset{int.}{-} \cdot 0001$ from $\cdot 10$ to $\cdot 75$ .
Right-hand micrometer	$x$ measures.	int. Apply $\overset{int.}{-} \cdot 0003$ from $\cdot 53$ to $\cdot 60$ . Zero for other divisions.
	$y$ measures.	int. Apply $\overset{int.}{-} \cdot 0002$ from $\cdot 50$ to $\cdot 66$ and $\overset{int.}{+} \cdot 0002$ from $\cdot 74$ to $\cdot 96$ . Zero for other divisions.

The following tables give the errors of the scales.

## Division Errors of Scale of Left-hand Microscope.

(The unit is '00001 réseau interval = ".003.)

X

Y

Argument.	Left.	Right.	Mean - 5.	Mean of Adjacent Errors.	Argument.	Left.	Right.	Mean - 5.	Mean of Adjacent Errors.	Argument.	Lower.	Upper.	Mean + 21.	Mean of Adjacent Errors.	Mean for 6 <sup>m</sup> and 3 <sup>m</sup> Images.	Argument.	Lower.	Upper.	Mean + 21.	Mean of Adjacent Errors.	Mean for 6 <sup>m</sup> and 3 <sup>m</sup> Images.
.00	+23	00	-05	-10	.50	-36	+16	-15	-03	.00	+11	00	+21	+28	+07	.50	-45	-34	-19	-04	-12
.01	+08	-09	-14	-18	.51	+15	+15	+10	+11	.01	-14	+13	+34	+14	+15	.51	+09	-29	+11	+07	-26
.02	+12	-17	-21	-05	.52	+08	+28	+12	+06	.02	-44	-27	-06	+01	+24	.52	-15	-23	+02	+04	-32
.03	+25	+16	+11	+13	.53	-11	+22	00	-19	.03	-26	-13	+08	+07	+20	.53	-09	-24	+05	-06	-27
.04	+38	+19	+15	+18	.54	-33	-32	-38	-33	.04	-34	-15	+05	+09	+17	.54	-42	-32	-16	-22	-07
.05	-29	+28	+20	+11	.55	-33	-12	-29	-30	.05	-08	-09	+12	+14	+06	.55	-51	-45	-27	-26	+09
.06	+34	+05	+02	-11	.56	-38	-11	-31	-13	.06	+26	-07	+16	+06	-04	.56	-49	-42	-25	-21	+10
.07	+21	-22	-24	-15	.57	+06	+15	+05	+06	.07	-41	-24	-04	+05	+10	.57	-32	-46	-17	-09	+03
.08	-08	00	-06	-10	.58	+15	+06	+06	-04	.08	-33	-05	+14	-03	+17	.58	-29	-13	-01	+11	-11
.09	+27	-11	-13	-01	.59	-03	-17	-14	-14	.09	-38	-41	-20	-08	+21	.59	+12	-13	+23	+16	-18
.10	+58	+11	+11	+17	.60	-11	-06	-14	-16	.10	-32	-14	+05	+12	+16	.60	-17	-08	+08	+11	-09
.11	+52	+24	+23	+27	.61	-13	-11	-17	-12	.11	-29	+01	+19	+24	+08	.61	-07	-06	+14	+01	+03
.12	+54	+32	+30	+18	.62	-11	+13	-07	-03	.12	+02	+09	+29	+27	-13	.62	-22	-53	-13	-09	+14
.13	+39	+07	+06	+06	.63	-09	+33	+02	+08	.13	+09	+02	+24	+26	-18	.63	-25	-25	-04	+03	+10
.14	+31	+06	+05	-02	.64	+16	+23	+14	+07	.14	-11	+09	+27	+11	-02	.64	-09	-18	+09	+14	-03
.15	+12	-07	-09	+01	.65	-16	+44	00	+01	.15	-32	-25	-05	-23	+09	.65	-03	+01	+19	+17	-11
.16	+26	+14	+11	+15	.66	+02	+18	+02	-12	.16	-21	-69	-40	-28	+10	.66	+03	-26	+14	+04	-14
.17	+41	+21	+19	+21	.67	-33	+05	-25	-33	.17	-35	-36	-15	-15	+03	.67	-27	-31	-07	-16	-07
.18	+44	+23	+22	+31	.68	-52	-03	-41	-28	.18	-19	-39	-14	-06	-08	.68	-39	-62	-25	-22	+04
.19	+19	+51	+40	+27	.69	-22	+17	-15	-16	.19	+19	-28	+03	-07	-24	.69	-29	-64	-19	-18	+14
.20	+30	+15	+13	+05	.70	-21	+12	-16	-01	.20	+09	-48	-16	-20	-18	.70	-29	-59	-17	-16	+05
.21	+02	+01	-04	+07	.71	+13	+34	+14	+10	.21	+09	-58	-23	-27	-06	.71	-37	-32	-14	-07	-13
.22	+01	+28	+17	+17	.72	+07	+19	+05	+04	.22	-33	-58	-31	-24	00	.72	-16	-31	+01	+10	-20
.23	+17	+24	+17	+19	.73	-01	+28	+02	-19	.23	-14	-45	-17	-07	-05	.73	+03	-21	+18	+06	-15
.24	+21	+27	+21	+19	.74	-46	-01	-39	-29	.24	-01	-22	+04	+03	-17	.74	-19	-53	-07	-10	-10
.25	+17	+23	+16	+18	.75	-22	+07	-20	-20	.25	+08	-28	+02	+06	-27	.75	-25	-56	-12	-19	-05
.26	+26	+23	+19	+15	.76	-26	+25	-19	-15	.26	+46	-31	+10	-03	-24	.76	-41	-61	-25	-12	+11
.27	+03	+21	+11	+05	.77	-07	+03	-10	-05	.27	-23	-42	-16	-14	-10	.77	-13	-42	+01	-03	+04
.28	+05	+02	-02	+08	.78	+02	+17	00	-00	.28	-07	-55	-21	-27	-01	.78	-25	-39	-07	-02	-15
.29	+15	+26	+18	+25	.79	+08	-05	00	-05	.29	-21	-68	-33	-23	+10	.79	-11	-39	+04	+11	-15
.30	+24	+42	+32	+25	.80	-07	+02	-10	-27	.30	-03	-46	-12	-12	+02	.80	+01	-17	+18	+01	-03
.31	+24	+22	+18	+24	.81	-46	-11	-44	-29	.31	-19	-39	-12	-04	-14	.81	-41	-23	-17	-19	+07
.32	+32	+35	+29	+27	.82	-11	+07	-13	-03	.32	-03	-23	+04	+14	-22	.82	-39	-52	-20	-11	+12
.33	+22	+32	+24	+07	.83	+08	+39	+08	+09	.33	+03	+03	+24	+06	-22	.83	-19	-39	-01	+06	+16
.34	-06	-04	-10	-08	.84	+19	-06	+10	+12	.34	-25	-38	-13	-14	-13	.84	-08	-08	+13	+16	+05
.35	+11	-06	-05	-05	.85	+16	+35	+14	+03	.35	-34	-38	-16	-17	-01	.85	-03	-01	+18	+25	-09
.36	-29	+16	-05	+02	.86	-09	+27	-09	+18	.36	-29	-45	-18	-20	+11	.86	+11	+01	+31	+20	+02
.37	-02	+23	+09	+21	.87	-26	+12	-26	-26	.37	-14	-58	-21	-13	+07	.87	-09	-29	+09	+08	+14
.38	+17	+51	+33	+24	.88	-24	+13	-25	-24	.38	-22	-27	-04	-12	-12	.88	-11	-32	+07	+02	+26
.39	-07	+37	+15	+06	.89	-19	-02	-22	-06	.39	+04	-25	+07	+08	-20	.89	-23	-37	-03	+14	+33
.40	-21	+18	-03	-08	.90	+13	+26	+10	+08	.40	+03	-23	+08	+07	-20	.90	+11	-09	+30	+22	+24
.41	-28	+08	-12	-05	.91	+07	+42	+05	+17	.41	+21	-41	+05	-10	-13	.91	-06	-19	+14	+35	+16
.42	-19	+25	+02	+16	.92	+32	+54	+29	+18	.42	-23	-61	-24	-23	-04	.92	+37	+12	+56	+40	+05
.43	+15	+49	+29	+28	.93	+09	+53	+07	-19	.43	-19	-59	-21	-19	-05	.93	+04	-09	+24	+27	+11
.44	+12	+46	+26	+29	.94	-43	+01	-45	-17	.44	-18	-53	-17	-13	-11	.94	+08	+11	+29	+23	+21
.45	+11	+58	+31	+21	.95	-13	+14	-17	-17	.45	-21	-36	-09	-10	-24	.95	-04	-31	+16	+07	+35
.46	-01	+31	+11	-02	.96	-12	+11	-16	-08	.46	-33	-29	-10	-18	-28	.96	-24	-24	-03	+20	+37
.47	-29	+09	-14	-13	.97	+05	+12	00	+06	.47	-42	-51	-26	-29	-12	.97	-04	-03	+17	+34	+28
.48	-29	+13	-12	-11	.98	+17	+35	+12	+08	.48	-34	-69	-31	-38	-03	.98	+02	+01	+23	+19	+19
.49	-36	+27	-09	-12	.99	+09	+25	+04	-01	.49	-55	-75	-45	-32	-03	.99	+24	-08	+45	+04	+04
.50	-36	+16	-15	-12	1.00	00	+23	-05	-01	.50	-45	-34	-19	-12	-12	1.00	00	+11	+21	+33	+07

In the above tables, the columns headed "Left, Right, Lower, Upper," are the actual errors of division of the glass-scale in the four quarters (*see* Diagram, Plate II., p. xix). In forming the columns headed "Mean," these quantities are weighted in the same way as the measures on the two sides of the scales in forming the means. Quantities - 5, + 21, + 44, + 44 have been added to make the mean of all the corrections zero. In the next column means are taken for adjacent divisions as the positions of the *réseau* lines are estimated with respect to the two lines of the scale between which they fall. Again, for the *y* co-ordinate as the two images (6<sup>m</sup> and 3<sup>m</sup> exposures) are seven divisions of the scale apart (20"), means



## Division Errors of Scale of Right-hand Microscope.

(The unit is '00001 réseau interval = ".003.)

X

Y

Argument.	Left.	Right.	Mean. + 44.	Mean of Adjacent Errors.	Argument.	Left.	Right.	Mean. + 44.	Mean of Adjacent Errors.	Argument.	Lower.	Upper.	Mean. + 44.	Mean of Adjacent Errors.	Mean for 6 <sup>m</sup> and 3 <sup>m</sup> Images.	Argument.	Lower.	Upper.	Mean. + 44.	Mean of Adjacent Errors.	Mean for 6 <sup>m</sup> and 3 <sup>m</sup> Images.
'00	-15	00	+44	+16	'50	-64	+08	+16	+10	'00	-76	00	+44	-03	+07	'50	-127	-27	-33	-18	-08
'01	-47	-56	-12	-12	'51	-71	-07	+04	+22	'01	-102	-93	-49	-31	+12	'51	-62	-32	-03	+02	-24
'02	-47	-56	-12	-10	'52	-64	+62	+40	+14	'02	-86	-55	-12	-06	+04	'52	-56	-17	+07	+03	-22
'03	-46	-51	-07	-12	'53	-114	+09	-12	-24	'03	-67	-42	+01	+07	+04	'53	-71	-15	-01	-11	-21
'04	-41	-62	-17	+02	'54	-154	+07	-36	-31	'04	-43	-30	+13	+13	-18	'54	-98	-23	-20	-29	-03
'05	-36	-22	+21	+18	'55	-117	-12	-26	-41	'05	-65	-29	+13	+13	-32	'55	-110	-47	-38	-23	-09
'06	-22	-29	+15	-02	'56	-155	-29	-56	-53	'06	-82	-44	-02	+06	-12	'56	-84	-11	-08	-12	-23
'07	-41	-64	-18	-24	'57	-172	+11	-49	-49	'07	-105	-61	-20	-11	+02	'57	-95	-11	-15	-11	-23
'08	-41	-77	-30	-31	'58	-159	-03	-49	-29	'08	-116	-87	-45	-33	+10	'58	-93	+06	-07	-08	-33
'09	-34	-80	-32	-20	'59	-104	+20	-09	-29	'09	-100	-61	-21	-17	+08	'59	-73	-23	-08	-20	-22
'10	-26	-55	-08	+11	'60	-154	+02	-48	-29	'10	-82	-53	-12	-03	-09	'60	-94	-50	-32	-34	-17
'11	-37	-11	+30	+20	'61	-87	-02	-10	-11	'11	-74	-32	+07	+06	-34	'61	-106	-37	-35	-37	-16
'12	-22	-36	+10	+05	'62	-96	+13	-11	+02	'12	-57	-36	+05	+10	-29	'62	-107	-40	-38	-22	-06
'13	-29	-47	-01	-09	'63	-65	+32	+15	+18	'13	-84	-21	+15	-06	-17	'63	-80	00	-06	-22	-20
'14	-49	-62	-16	-19	'64	-53	+29	+21	+20	'14	-122	-63	-27	-34	-07	'64	-119	-15	-38	-21	-38
'15	-44	-69	-21	-19	'65	-57	+33	+19	+30	'15	-127	-77	-40	-24	+04	'65	-70	-03	-03	-04	-46
'16	-12	-70	-17	-12	'66	-35	+59	+41	+15	'16	-97	-43	-08	-16	+02	'66	-72	-05	-05	-20	-22
'17	-30	-55	-07	-04	'67	-74	-18	-12	-10	'17	-112	-58	-23	-11	-10	'67	-91	-51	-34	-41	+02
'18	-08	-53	-01	+10	'68	-85	+18	-08	-06	'18	-50	-42	+01	+02	-24	'68	-113	-46	-48	-54	+11
'19	-08	-28	+20	+16	'69	-67	-02	-03	+03	'19	-54	-38	+03	-07	-17	'69	-127	-51	-59	-22	+18
'20	-11	-38	+12	+15	'70	-57	+16	+09	+17	'20	-75	-56	-16	-07	-07	'70	-30	-24	+16	-02	-02
'21	-21	-29	+17	-01	'71	-47	+46	+24	+21	'21	-63	-53	-11	-14	-03	'71	-05	-26	+33	+25	-15
'22	-20	-75	-19	-14	'72	-59	+55	+17	+12	'22	-89	-53	-17	-14	+05	'72	+07	+02	+50	+42	-13
'23	-18	-62	-08	-01	'73	-54	+08	+07	00	'23	-94	-31	-01	+03	-03	'73	-11	-23	+30	+17	+09
'24	-17	-45	+06	+22	'74	-73	+11	-07	-12	'24	-105	-16	+07	+05	-13	'74	-41	-41	+03	+11	+33
'25	+12	-14	+37	+35	'75	-83	+09	-16	+13	'25	-62	-35	+02	+08	-13	'75	-13	-63	+18	+27	+43
'26	-08	-13	+32	+17	'76	-01	-04	+42	+22	'26	-104	-04	+14	+02	-10	'76	+03	-42	+36	+39	+37
'27	-03	-56	+02	-01	'77	-57	+09	+02	+03	'27	-102	-38	-11	+02	+03	'77	+04	-21	+42	+40	+15
'28	-26	-55	-03	+02	'78	-56	+17	+04	+21	'28	-112	-34	-12	-11	+12	'78	+04	-40	+38	+43	+11
'29	-11	-49	+06	+07	'79	-16	+29	+37	+05	'29	-130	-23	-10	-10	+13	'79	+11	-25	+47	+34	+31
'30	-05	-49	+08	+14	'80	-89	-04	-28	-21	'30	-101	-35	-10	+02	-06	'80	-20	-41	+20	+13	+44
'31	00	-35	+20	+24	'81	-73	+09	-13	-18	'31	-80	-07	+13	+19	-20	'81	-36	-48	+06	+11	+39
'32	-01	-24	+27	+22	'82	-80	-07	-23	-24	'32	-68	+02	+24	+17	-14	'82	-25	-45	+15	+34	+40
'33	-12	-35	+17	+05	'83	-83	+04	-24	-20	'33	-71	-16	+10	-14	-11	'83	+15	-20	+53	+49	+24
'34	-44	-54	-07	-06	'84	-76	+22	-16	00	'34	-164	-39	-38	-28	-01	'84	+05	-20	+45	+37	-05
'35	-54	-46	-05	-01	'85	-39	+35	+16	+09	'35	-96	-44	-18	-17	-01	'85	-11	-38	+29	+37	00
'36	-43	-38	+04	-06	'86	-52	+11	+01	-11	'36	-107	-34	-16	-12	-02	'86	+06	-31	+45	+14	+25
'37	-75	-49	-15	+07	'87	-75	-15	-23	-30	'37	-86	-30	-07	-03	-10	'87	-65	-32	-17	-23	+39
'38	-47	+03	+28	+19	'88	-91	-06	-37	-24	'38	-95	-11	+01	-20	-16	'88	-75	-56	-29	-11	+36
'39	-57	-19	+10	+12	'89	-59	-12	-10	-01	'39	-102	-72	-40	-21	-03	'89	-33	-56	+08	+17	+41
'40	-49	-17	+14	-01	'90	-40	-01	+08	+02	'40	-83	-21	-01	-05	+01	'90	-16	-45	+25	+29	+17
'41	-79	-41	-13	-05	'91	-55	+20	-04	+09	'41	-95	-22	-08	-03	+05	'91	-08	-28	+34	+34	-19
'42	-56	-30	+03	+06	'92	-24	+06	+22	+17	'42	-97	-03	+02	+11	-03	'92	-10	-19	+33	+44	-08
'43	-65	-13	+09	+06	'93	-36	+10	+11	+07	'43	-64	+05	+19	+13	-13	'93	+14	-38	+54	+19	+12
'44	-76	-14	+03	+20	'94	-42	-28	+03	-14	'44	-74	-09	+06	+12	-12	'94	-60	-68	-16	-15	+20
'45	-41	+21	+37	+24	'95	-78	-20	-31	-27	'45	-70	+09	+17	+15	-12	'95	-57	-49	-13	-05	+19
'46	-76	+02	+10	-04	'96	-70	+04	-23	-03	'46	-79	+10	+13	-05	-09	'96	-39	-62	+04	+06	+31
'47	-99	-30	-18	-16	'97	-28	+13	+17	+02	'47	-118	-21	-23	-18	-03	'97	-36	-66	+07	+11	+08
'48	-93	-24	-13	-08	'98	-60	00	-14	-01	'48	-94	-20	-12	-20	+07	'98	-30	-46	+14	+03	-23
'49	-75	-20	-03	+07	'99	-32	+05	+12	+28	'49	-107	-36	-27	-30	+09	'99	-53	-55	-09	+18	-06
'50	-64	+08	+16		'00					'50	-127	-27	-33	-08		'00					

have been taken of the errors at this distance apart, and set down in the column "Mean for 6<sup>m</sup> and 3<sup>m</sup> Images" against the corresponding argument.

Thus for the left-hand microscope a measure of an  $x$  co-ordinate in which the first two figures after the decimal point are '35 requires a correction - '00005, or as the measures are only given to four places - '0001. A measure of a  $y$  co-ordinate in which the figures after the decimal point are '35 requires a correction - '00001, or to four figures + '0000. As explained on pp. xxxii, xxxiii, the plates whose centres are at an even degree of declination are measured with the left-hand microscope, and those at an odd degree with the right-hand microscope.

## VII. PLATE CONSTANTS.

The plate constants were determined by the method and formulæ given by Prof. Turner in the *Monthly Notices of the Royal Astronomical Society*, November 1893. For the determination of the standard co-ordinates of the reference stars, various modifications of the trigonometrical formulæ were made and some auxiliary tables used to simplify the large amount of numerical work. These are generally similar to the tables given in the next section but more extensive.

For the plates whose centres are at declinations  $65^\circ$ ,  $66^\circ$ ,  $67^\circ$ ,  $68^\circ$ ,  $69^\circ$ , the right ascensions and declinations of the reference stars were derived from the Christiania and Helsingfors Catalogues of the *Astronomische Gesellschaft* reduced to the epoch 1900.0, for those whose centres are at declinations  $70^\circ$ ,  $71^\circ$ ,  $72^\circ$ , from provisional right ascensions and declinations derived from the *Greenwich Observations*, 1897–1901. The number of such stars used for each plate is given in the third column of the table which follows.

The plate constants were, in the first instance, determined as if there were six independent constants for each plate. The values adopted and given in the tables (pp. xlvii *et seq.*) are obtained by computing the differential refraction and aberration from the data given with the list of plates (pp. ix–xix), viz.,—the date, sidereal time, readings of barometer and thermometer, and by adopting  $-00099$  as the value of the scale correction (*i.e.*, one interval of the *réseau*  $= 099901 \times 5'$ ) for all the photographs, thus leaving three quantities only, the co-ordinates of the centre and the orientation, to be determined by comparison of the measured and standard co-ordinates. It will be convenient to denote the plate constants derived on the supposition that they are six independent quantities by the Roman letters a, b, c, d, e, f, and those derived on the supposition that there are only three independent quantities by the Italic letters *a*, *b*, *c*, *d*, *e*, *f*.

The corrections for differential refraction are given by Prof. Turner (M.N. Nov. 1893) in the form

$$\left. \begin{aligned} \Delta x &= -\beta_0 (1 + X^2) x - \beta_0 X Y y \\ \Delta y &= -\beta_0 X Y x - \beta_0 (1 + Y^2) y \end{aligned} \right\}$$

where X, Y are the co-ordinates of the zenith on the plate.

As the photographs were all taken near the meridian, the amount of these corrections is readily tabulated in terms of the hour angle as follows:—

Correction for Refraction.

S-A. Hour Angle.	$\beta_0 (1 + X^2)$	$\beta_0 (1 + Y^2)$				$\beta_0 X Y$			
	$65^\circ$ to $72^\circ$ .	$65^\circ$	$67^\circ$	$69^\circ$	$71^\circ$	$65^\circ$	$67^\circ$	$69^\circ$	$71^\circ$
h m									
± 0. 0	+000028	+000030	30	31	32	±000000	0	0	0
20	28	30	30	31	31	0	0	1	1
40	28	29	30	31	31	1	1	1	1
1. 0	29	29	30	31	31	1	1	1	2
1. 20	29	29	30	30	31	1	1	2	2
1. 40	30	29	29	30	31	1	2	2	3
2. 0	31	29	30	30	30	± 2	2	2	3

Differential aberration gives rise to the corrections

$$\left. \begin{aligned} \Delta x &= -k \cos CW. x \\ \Delta y &= -k \cos CW. y \end{aligned} \right\}$$

where C is the centre of the plate and W a point in the ecliptic  $90^\circ$  behind the Sun.

It is easily shown that

$$\cos CW. = -\sin D \sin \epsilon \cos \odot - \cos D \cos^2 \frac{\epsilon}{2} \sin (A - \odot) + \cos D \sin^2 \frac{\epsilon}{2} \sin (A + \odot).$$

where A, D are the R.A. and dec. of the centre of the plate,  $\odot$  is the Sun's longitude, and  $\epsilon$  the obliquity of the ecliptic.

Therefore  $k \cos CW$

$$= 20.5 \times \sin 1'' \left\{ -.399 \sin D \cos \odot - .958 \cos D \sin (A - \odot) + .041 \cos D \sin (A + \odot) \right\}.$$

Omitting the last term, which is less than two in the sixth decimal place, this formula gives for the different zones the following table of corrections.

*Correction for Differential Aberration.*

Zone.	Value of $k \cos CW.$	
$65^\circ$	$-.000036 \cos \odot - .000040 \sin (A - \odot)$	
66	36	39
67	36	37
68	37	36
69	37	34
70	37	32
71	38	31
72	38	29

To determine the value of the scale correction, the values of  $a$  and  $e$  derived from each plate were corrected for the differential refraction and aberration. Each plate thus furnished two determinations of the scale correction. The following table gives the result as derived separately from the mean of all the plates in each zone.

*Value of Correction for Scale.*

Zone.	Number of Plates.	Scale Correction.		Mean Discordance of a Single Determination.	
		From $x$ Measures.	From $y$ Measures.	$x$ Measures.	$y$ Measures.
$65^\circ$	80	$-.000986$	$-.000976$	$\pm .000096$	$\pm .000112$
66	80	$-.000991$	$-.000991$	$\pm .000115$	$\pm .000119$
67	72	$-.000992$	$-.000981$	$\pm .000101$	$\pm .000130$
68	72	$-.000978$	$-.000996$	$\pm .000090$	$\pm .000095$
69	72	$-.000978$	$-.001025$	$\pm .000095$	$\pm .000121$
70	72	$-.000971$	$-.000990$	$\pm .000105$	$\pm .000091$
71	60	$-.000998$	$-.000986$	$\pm .000079$	$\pm .000084$
72	60	$-.000990$	$-.001601$	$\pm .000101$	$\pm .000080$



Thus the mean value of the scale correction is

$$- \cdot 000989 \pm \frac{\cdot 000101}{\sqrt{1136}}$$

or  $- \cdot 000989 \pm \cdot 000003.$

The value  $- \cdot 00099$  has been adopted.

In the list of plates given on pages ix-xix, the date on which each plate was taken and the hour angle are given. These give the data for the computation of the differential refraction and aberration which are readily obtained from the small tables given above.

Thus

$$a = - \cdot 00099 + \beta_0 (1 + X^2) + k \cos CW.$$

$$e = - \cdot 00099 + \beta_0 (1 + Y^2) + k \cos CW.$$

These values of  $a$  and  $e$  are substituted in the equations for the plate constants and values of  $b$  and  $d$  deduced. Allowing for the small correction  $\beta_0 XY$ , the mean of  $b$  and  $d$  is adopted as the correction for orientation. These adopted values of  $a$ ,  $b$ ,  $d$ ,  $e$  are substituted in the equations and the values of  $c$  and  $f$  deduced.

The table on pages xlvii *et seq.* gives the adopted plate constants for all the plates in this volume, together with the differences between the adopted constants and the provisional determination in which they were considered as six independent constants for each plate.

Columns 1, 2 and 3, give the number of the plate, the R.A. of the centre, and the number of stars used in the determination of plate constants. Columns 4 to 9 give the adopted plate constants to be used in the determination of "Standard Co-ordinates" from the Measured Co-ordinates. Columns 10 to 13 are the differences between the constants  $a$ ,  $b$ ,  $d$ ,  $e$ , deduced on the supposition that they are four independent quantities, and the adopted constants  $a$ ,  $b$ ,  $d$ ,  $e$ , determined on the supposition that only one unknown quantity, the Orientation, is involved in them. An asterisk in the first column denotes that the plate constants have been derived from recent Greenwich Observations of the Reference Stars.

ZONE  $+65^\circ$ .

Adopted Plate Constants.

No. of Plate.	R.A. of Centre.	Number of Stars.	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>e.</i>	<i>f.</i>	<i>a-a.</i>	<i>b-b.</i>	<i>d-d.</i>	<i>e-e.</i>
	h m				int.			int.				
2376	0 9	50	-.00072	+.00920	-.1833	-.00920	-.00070	+.2076	-3	+4	+13	-11
2287	27	38	.00069	.00410	+.0056	.00410	.00067	.1020	-1	0	+7	-7
1631	45	42	.00073	.00590	+.0264	.00590	.00071	.0428	0	-4	-5	+6
1632	1 3	37	.00073	.00314	-.0628	.00314	.00071	.1120	-3	-2	-1	+9
2334	21	36	.00071	.00496	+.0133	.00496	.00069	.2095	-3	-3	-3	+10
1633	39	44	.00073	.00410	-.0377	.00410	.00072	.0417	-11	+14	+12	-14
2380	57	32	.00071	.00442	-.0406	.00442	.00069	.1600	-4	0	0	-17
2323	2 15	25	.00069	.00356	+.0154	.00356	.00067	.1318	-8	0	-9	0
1610*	33	18	.00069	.00147	-.0479	.00149	.00069	.1009	+12	-10	-9	-7
1640	51	25	.00072	.00428	.0195	.00428	.00070	.1215	+2	-9	-16	0
748	3 9	25	.00078	.00312	.0894	.00312	.00076	.1346	+12	+3	+2	-9
2965	27	24	.00072	.00420	.1201	.00420	.00070	.0725	-17	-7	-7	-20
2367*	45	20	.00068	.00502	-.0895	.00502	.00066	.1414	0	+2	-1	-16
2981*	4. 3	15	.00077	.00370	+.0135	.00370	.00075	.0899	+1	+3	-3	+9
2369*	21	33	.00068	.00164	+.0355	.00164	.00066	.1161	-2	-7	-7	-22
2967	39	18	.00071	.00400	-.0046	.00400	.00069	.0599	-1	-17	-7	-2
2968	57	22	.00071	.00314	+.0086	.00314	.00069	.1369	+2	-2	-2	-10
1650	5 15	26	.00070	.00463	+.0180	.00463	.00068	.0795	+7	-1	+3	+13
3018	33	26	.00078	.00390	-.0405	.00390	.00076	.1638	+4	-17	-15	+34
3019	51	19	.00078	.00663	.1298	.00665	.00077	.1991	+7	-1	+6	+32
807*	6 9	16	.00078	.00297	.0221	.00297	.00076	.1071	+17	-18	-17	+10
1653	27	28	.00068	.00540	.1232	.00540	.00066	.0561	+1	+14	+15	-21
1654	45	15	.00068	.00546	.0894	.00546	.00066	.0810	-5	+9	+9	-15
1774*	7 3	18	.00075	.00415	.0555	.00413	.00075	.1720	-30	+4	+5	0
2425	21	25	.00077	.00176	.0629	.00176	.00075	.2642	+6	+3	+6	-8
849	39	22	.00078	.00802	.2069	.00802	.00076	.2110	+18	+9	+8	+10
850	57	17	.00078	.00838	.1421	.00838	.00076	.2619	+13	+3	+7	-2
2495	8 15	26	.00078	.00247	.0581	.00247	.00076	.1389	-12	-9	-5	+1
3041	33	26	.00078	.00745	.0447	.00745	.00076	.1881	-3	-5	-7	+8
852	51	21	.00077	.00336	.1288	.00336	.00075	.0965	+25	0	+11	-8
853	9 9	20	.00077	.00322	.0878	.00322	.00075	.1430	-17	-3	+4	-6
854*	27	18	.00077	.00417	.0487	.00417	.00075	.0666	0	-2	-2	+1
855	45	13	.00077	.00393	.1149	.00393	.00075	.1470	+10	+14	+18	+30
856	3	21	.00076	.00439	-.0708	.00439	.00074	.1270	-9	+1	-9	+22
2478	21	31	.00076	.00158	+.0313	.00158	.00074	.1375	-11	+10	+12	-17
2497	39	32	.00077	.00218	-.1469	.00218	.00075	.1036	+6	+2	+3	+3
3123	57	19	.00077	.00345	.1512	.00347	.00076	.1215	+10	+1	+1	+19
2502	11 15	14	.00076	.00703	.0281	.00701	.00074	+.2750	+4	-16	-16	-11
331a	33	28	.00076	.00255	.0906	.00255	.00074	-.0030	+18	-12	-3	-2
2522	51	12	.00076	.00122	.0338	.00122	.00074	+.1033	-20	+8	+4	+17
336*	12 9	21	.00076	.00163	.1063	.00163	.00074	-.0108	-9	+3	+4	+9
2022	27	28	.00076	.00224	-.0166	.00224	.00074	.1737	-5	+10	+9	-3
345	45	24	.00074	.00106	+.0080	.00104	.00072	-.0034	+13	+2	+5	+28
1995	13 3	12	.00075	.00099	+.0059	.00099	.00073	+.0837	-23	-10	-10	-20
2554*	21	22	.00077	.00107	-.0436	.00107	.00075	+.1290	+4	-3	-3	+4
346*	39	22	.00075	.00063	+.0231	.00061	.00074	-.0279	-2	+5	+1	+20
2555	57	23	.00074	.00080	-.0385	.00080	.00072	+.0967	-3	-6	-7	-6
2568*	14 15	25	.00074	.00104	.0595	.00104	.00072	.0915	+19	-2	-2	-13
2074	33	22	.00074	.00209	.0743	.00209	.00072	+.1045	-24	+10	+1	-24
2639	51	31	.00074	.00322	-.0336	.00322	.00072	-.0487	+4	-2	-1	-7
359	15 9	25	.00071	.00055	+.0351	.00051	.00073	+.2911	-14	+15	+13	-7
2044*	27	21	.00073	.00057	+.0002	.00057	.00071	.0812	-26	-17	-8	-6
2657	45	24	.00073	.00195	-.0196	.00195	.00071	.0941	-1	+11	+8	-23
2046	16 3	19	.00073	.00051	+.0011	.00053	.00072	+.0715	-14	+8	+6	-1
423	21	36	.00073	.00068	-.0070	.00068	.00071	-.1320	+3	+15	+17	+10
392	39	18	.00071	.00068	+.0153	.00066	.00071	-.1356	+20	0	+1	+32
437	57	27	.00072	.00036	.0537	.00036	.00070	+.0492	+18	+10	+11	+5
2048*	17 15	28	.00071	.00019	.0671	.00019	.00070	.0926	+12	+1	+15	+24
2672	33	34	.00071	.00190	.0049	.00190	.00069	.0492	+17	+15	+6	-11
2673	51	28	.00071	.00266	+.0021	.00266	.00069	.0722	-7	-5	-1	+6
2697	9	28	.00070	.00145	-.0037	.00143	.00070	.0833	-15	-10	-5	+5
2700	27	24	.00071	.00122	+.0093	.00122	.00069	.0832	+6	-9	-8	0
1321	45	33	.00071	.00142	+.0435	.00140	.00070	.0587	+5	-1	+6	+23
1274	19 3	30	.00070	.00604	-.0550	.00604	.00068	.0748	-4	+10	+12	-7
534	21	40	.00071	.00291	.0426	.00291	.00069	+.0913	+11	+1	+2	-16
426	39	49	.00068	.00096	-.0083	.00094	.00068	-.1321	+27	+5	+1	+1
2270	57	34	.00071	.00311	+.0504	.00311	.00069	+.1578	-12	+10	+10	-3
2769	20 15	28	.00067	.00266	.0631	.00264	.00068	.0707	+8	+18	+15	+12
2280	33	30	.00070	.00314	+.0036	.00316	.00070	.0899	+1	-5	-5	+1
535	51	38	.00069	.00338	-.0619	.00338	.00067	.1006	+11	-12	-10	+17
536	21 9	43	.00069	.00058	-.0310	.00058	.00067	.1043	-5	+4	+3	+17
1334	27	76	.00068	.00216	+.0086	.00216	.00066	.0456	+9	+4	+5	+6
2950	45	60	.00073	.00327	-.0277	.00327	.00071	.1071	+4	0	-1	+13
1593	22 3	37	.00073	.00327	.0376	.00329	.00072	.0895	+17	-18	-17	+13
2831	21	46	.00068	.00294	.0160	.00294	.00066	.1059	-6	-3	-4	+11
2835	39	45	.00068	.00336	.0516	.00336	.00066	.0982	-2	-11	-11	+6
1613	57	40	.00073	.00349	.0451	.00347	.00072	.1172	-13	+1	+1	-11
2834	23 15	60	.00067	.00358	.0809	.00360	.00066	.1200	-5	+1	+1	-6
2902	33	55	.00068	.00377	.1308	.00377	.00066	.0824	+15	+6	+6	+9
1656	51	44	-.00072	+.00410	-.0829	-.00412	-.00071	+.0301	-17	-15	-13	-4

ZONE +66°.

Adopted Plate Constants.

No. of Plate.	R.A. of Centre.		Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
	h	m				int.			int.				
2866	0	0	48	-.00067	+.00345	-.0875	-.00345	-.00065	+.0941	-3	+0	+19	-24
2867		18	34	-.00067	+.00340	-.0568	-.00340	-.00065	+.0880	0	+5	+8	-18
1681		36	30	-.00073	+.00656	+.0010	-.00654	-.00072	+.0628	-13	-2	+1	-15
2868		54	31	-.00066	+.00335	-.0411	-.00335	-.00064	+.0780	-12	+2	+2	+11
2923*	1	12	24	-.00068	+.00343	-.0229	-.00343	-.00066	+.0809	-4	+2	+2	+7
2947		30	29	-.00071	+.00360	-.0701	-.00360	-.00069	+.0202	+3	+2	+4	+9
658		48	14	-.00072	+.00401	-.0515	-.00399	-.00070	+.1465	+17	-25	-17	+10
2382	2	6	23	-.00071	+.00480	-.2717	-.00480	-.00069	+.1894	+4	-14	-12	-11
1691		24	24	-.00073	+.00298	+.0561	-.00298	-.00071	+.0863	-18	-5	-1	-18
2404		42	15	-.00076	+.00340	-.0418	-.00340	-.00074	+.1992	+10	-2	-6	+12
724	3	0	22	-.00074	+.00441	-.0969	-.00439	-.00074	+.1383	-12	+8	+5	+19
2418		18	23	-.00073	+.00340	-.0453	-.00340	-.00071	+.1311	-6	-5	-2	-5
2419		36	20	-.00073	+.00350	-.0486	-.00350	-.00071	+.0862	+32	-8	0	0
2370		54	15	-.00069	+.00449	+.0049	-.00451	-.00067	+.2191	-2	-3	-11	+9
2986	4	12	21	-.00077	+.00440	-.0930	-.00440	-.00075	+.2172	+9	-16	-13	+9
2987		30	20	-.00077	+.00590	-.0414	-.00590	-.00075	+.1554	+22	-22	-11	+23
2421		48	21	-.00072	+.00360	-.1065	-.00360	-.00070	+.0685	-14	+14	+8	+1
1762*	5	6	17	-.00076	+.00400	-.0219	-.00398	-.00074	+.0892	-11	-9	-19	+10
2979		24	18	-.00075	+.00490	-.2979	-.00490	-.00073	+.0628	-11	-2	-2	+23
797		42	24	-.00078	+.00320	-.0341	-.00320	-.00076	+.1092	+8	-6	0	+15
786	6	0	30	-.00077	+.00536	-.0702	-.00536	-.00075	+.2044	+11	-3	-7	-6
3038		18	19	-.00077	+.00429	-.1065	-.00431	-.00077	+.0682	-27	+5	+11	+12
776		36	26	-.00077	+.00320	-.0918	-.00320	-.00075	+.1219	-3	-10	-12	-10
813		54	22	-.00077	+.00371	-.1039	-.00369	-.00076	+.0909	+17	-13	-19	+20
763	7	12	22	-.00076	+.00300	-.0419	-.00300	-.00074	+.1298	+4	-3	-5	+8
726		30	33	-.00071	+.00536	-.1312	-.00536	-.00069	+.1568	+16	-4	-2	+6
2460		48	16	-.00078	+.00253	-.0771	-.00253	-.00076	+.2127	-7	-9	-12	-16
3378	8	6	23	-.00077	+.00123	+.0702	+.00123	-.00075	+.0288	+6	-4	-4	+16
2499		24	26	-.00078	+.00439	-.0458	-.00439	-.00076	+.1693	-2	-7	-6	-20
872		42	23	-.00077	+.00499	-.0650	-.00501	-.00075	+.0900	+13	-12	-7	0
2463*	9	0	16	-.00077	+.00059	-.0460	-.00061	-.00075	+.1863	+12	-5	-11	+19
899		18	16	-.00077	+.00219	-.0783	-.00221	-.00076	+.1287	+2	+11	+14	+22
2475		36	17	-.00077	+.00167	-.0297	-.00167	-.00075	+.1318	+6	-7	-7	+11
951*		54	16	-.00077	+.00215	-.1591	-.00215	-.00075	+.1101	+3	+6	+3	-2
325	10	12	18	-.00077	+.00207	-.0788	-.00205	-.00076	+.0426	-20	-21	-8	0
3104		30	18	-.00077	+.00292	-.0173	-.00294	-.00075	+.0155	-1	+8	+12	-16
322		48	28	-.00077	+.00214	+.0089	-.00214	-.00075	+.0791	-12	-15	-15	+6
3068	11	6	21	-.00077	+.00303	-.0995	-.00305	-.00076	+.1094	-25	-22	-27	+17
938*		24	14	-.00076	+.00116	-.2114	-.00114	-.00074	+.1200	+8	-15	-10	-6
2521		42	14	-.00076	+.00095	-.0166	-.00095	-.00074	+.1118	+14	-5	-3	-14
940	12	0	18	-.00075	+.00081	-.1681	-.00079	-.00073	+.0844	-8	-23	-16	+11
941*		18	12	-.00075	+.00072	-.1646	-.00070	-.00073	+.1081	+15	+3	+1	+2
942		36	19	-.00075	+.00071	-.0088	-.00069	-.00073	+.1016	+15	+9	+9	-17
2526		54	17	-.00075	+.00365	-.0432	-.00365	-.00073	+.1826	-7	-14	-15	-3
2537	13	12	17	-.00074	+.00083	-.0275	-.00081	-.00073	+.1082	+5	-2	-2	+2
962		30	21	-.00074	+.00044	-.1741	-.00044	-.00072	+.0869	-1	+11	+2	+21
2557		48	22	-.00074	+.00052	-.0533	-.00052	-.00072	+.1036	+2	0	0	+26
2593	14	6	21	-.00075	+.00066	-.0230	-.00066	-.00073	+.1126	+6	-5	-6	-5
2559		24	23	-.00074	+.00127	-.0491	-.00127	-.00072	+.1201	-15	-5	-12	+18
2560		42	30	-.00074	+.00030	+.0127	-.00030	-.00072	+.1278	+6	-15	-15	+1
2654	15	0	26	-.00074	+.00168	-.0358	-.00168	-.00072	+.0859	+29	-8	-11	+5
2655		18	29	-.00074	+.00177	+.0128	-.00177	-.00072	+.0660	+33	-10	-6	-3
2606		36	23	-.00073	+.00312	-.0389	-.00312	-.00071	+.1772	-5	+9	+15	+12
2659		54	18	-.00073	+.00169	+.0087	-.00171	-.00072	+.0552	+6	-1	-2	+4
2651	16	12	27	-.00073	+.00145	-.0232	-.00145	-.00071	+.0575	-20	-14	-11	+9
2660		30	34	-.00072	+.00137	+.0082	-.00139	-.00070	+.0735	+17	-14	+0	-21
427		48	23	-.00071	+.00036	-.0148	-.00034	-.00070	+.1464	-7	-12	-8	0
2661	17	6	31	-.00072	+.00156	-.0185	-.00156	-.00070	+.0657	+3	+9	+8	+1
446		24	26	-.00072	+.00006	+.0027	-.00004	-.00070	+.0543	+27	-3	-9	-3
2696		42	24	-.00070	+.00069	-.0080	-.00067	-.00069	+.1008	+9	-8	-8	+13
441*	18	0	27	-.00071	+.00020	-.0317	-.00020	-.00070	+.0550	+14	+8	-1	-16
2689		18	23	-.00071	+.00070	+.0846	-.00070	-.00069	+.0249	-11	+7	+14	+20
2690		36	26	-.00070	+.00106	-.0187	-.00106	-.00068	+.0598	-10	-8	-15	+22
443		54	29	-.00070	+.00105	+.0158	+.00105	-.00068	+.0233	+10	+2	0	+9
444	19	12	42	-.00070	+.00032	-.0010	-.00032	-.00068	+.0577	+9	+4	+3	-6
1236		30	34	-.00070	+.00111	-.0008	-.00111	-.00068	+.0679	+3	-3	-4	-12
2290		48	34	-.00072	+.00242	+.0210	-.00242	-.00070	+.1216	+19	-15	-7	-19
2338*	20	6	19	-.00072	+.00217	-.0188	-.00219	-.00071	+.1294	-23	-7	-7	-30
2279		24	21	-.00070	+.00253	+.0525	-.00255	-.00069	+.1505	-23	-6	-6	-18
2308		42	26	-.00072	+.00290	-.0309	-.00290	-.00070	+.1316	-9	-11	-15	-11
522	21	0	36	-.00069	+.00556	-.0701	-.00556	-.00067	+.1708	+12	+1	+5	-14
1587		18	50	-.00072	+.00250	+.0095	-.00250	-.00070	+.0903	-20	+9	+11	-6
1588		36	51	-.00072	+.00260	-.0137	-.00260	-.00070	+.0740	-21	+2	-0	-16
2777		54	49	-.00072	+.00367	+.0085	-.00367	-.00070	+.1004	-13	-4	-5	-13
2283	22	12	29	-.00071	+.00305	+.0335	-.00305	-.00069	+.1554	-11	+1	0	-4
2850*		30	41	-.00069	+.00298	-.0459	-.00298	-.00067	+.1176	-1	-5	-2	-9
2837*		48	32	-.00068	+.00300	-.0167	-.00302	-.00067	+.0531	-22	-12	-16	-6
559	23	6	37	-.00068	+.00304	-.0399	-.00306	-.00066	+.1098	-14	+2	0	-22
2303*		24	40	-.00070	+.00260	+.0467	-.00260	-.00068	+.1258	-9	-2	-3	-20
3292		42	37	-.00071	+.00035	+.0149	+.00035	-.00069	+.0381	-8	-11	-6	-27



ZONE + 67°.

Adopted Plate Constants.

No. of Plate.	R. A. of Centre.		Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
	h	m				int.			int.				
1548	0	10	39	-.00069	+.00340	-.0181	-.00340	-.00067	+.1427	+ 4	- 2	+ 2	-22
1549		30	30	.00069	.00370	.0523	.00370	.00067	.1243	- 5	- 3	- 5	- 9
2918		50	24	.00068	.00320	.0655	.00320	.00066	.1122	+ 7	-10	- 9	-22
2406	1	10	21	.00073	+.00330	-.1569	-.00330	.00071	.1675	+ 6	+ 7	+14	+21
587		30	28	.00067	-.00110	+.0474	+.00110	.00065	.1322	+ 4	-11	- 5	+ 6
1598*		50	23	.00070	+.00401	-.0267	-.00399	.00068	.1306	+ 6	-13	-12	-13
1634	2	10	30	.00071	.00036	+.0604	.00034	.00070	.0390	+ 4	+ 6	+11	-20
703		30	19	.00074	.00420	-.0868	.00420	.00072	.1391	- 5	-20	-14	-22
1641*		50	18	.00072	.00088	.0526	.00088	.00070	.0567	+ 5	0	+ 3	-12
2963	3	10	26	.00072	.00352	.0497	.00350	.00070	.1049	+ 8	- 2	-14	+35
3015		30	21	.00077	.00330	.0735	.00328	.00075	.1006	+20	0	0	+27
2995*		50	8	.00076	.00287	.0180	.00289	.00075	.1155	-29	+21	+14	+ 1
1645	4	10	30	.00070	.00362	.0069	.00362	.00068	.1221	- 1	- 4	- 3	- 4
1646		30	26	.00070	.00447	-.0455	.00447	.00068	.0502	+10	+ 4	+ 3	+25
1647		50	18	.00070	.00428	+.0377	.00428	.00068	.0855	-11	+ 5	+ 7	+ 7
1648	5	10	33	.00069	.00432	.0250	.00432	.00067	.0728	-11	- 4	+ 7	-23
1759		30	18	.00076	.00465	+.0019	.00465	.00074	.0738	-15	- 0	- 1	+ 8
1649		50	26	.00069	.00456	-.0422	.00454	.00067	.0740	+24	-15	-13	+11
1708	6	10	21	.00072	.00300	+.0371	.00300	.00070	.0262	-11	+ 9	+ 8	-28
1747		30	33	.00073	.00356	-.0406	.00356	.00071	.0745	+10	- 6	- 8	+13
2458		50	28	.00078	.00209	.0881	.00211	.00076	.1154	-11	-15	- 9	+12
1710	7	10	24	.00070	.00335	.0061	.00335	.00068	.0274	+ 5	- 5	- 4	0
792		30	25	.00076	.00440	-.0503	.00440	.00074	.1039	+27	-22	-16	+ 2
3032		50	20	.00078	.00275	+.0585	.00275	.00076	.0583	+ 3	-13	-17	+17
877	8	10	23	.00078	.00300	-.0712	.00300	.00076	.1358	- 4	- 7	- 5	-14
1899		30	16	.00078	.00115	.0171	.00115	.00076	.0632	-29	+ 1	+ 4	- 3
1885		50	14	.00078	.00153	.0895	.00153	.00076	.0919	+10	0	0	+15
811	9	10	27	.00076	.00510	.1063	.00510	.00074	.1854	+ 1	0	+ 6	0
1863		30	26	.00076	.00283	.5702	.00281	.00074	.1648	+17	- 1	- 2	+13
1932		50	23	.00076	.00110	-.0192	.00109	.00075	.0993	+ 7	+ 2	+ 8	- 1
3079	10	10	17	.00077	.00240	+.0602	.00240	.00075	.0580	- 4	+14	+ 3	-11
3105		30	14	.00076	.00479	-.1416	.00481	.00075	.0845	+ 4	+15	+14	+13
859		50	18	.00076	.00190	-.0168	.00190	.00074	.1316	-14	+16	+ 3	+13
1921	11	10	29	.00076	.00040	+.1540	.00040	.00074	.0955	-11	+10	+ 8	- 9
2549		30	23	.00076	.00130	-.1414	.00130	.00074	+.1337	+ 5	+ 3	+ 1	+12
3907		50	14	.00075	.00014	.0537	.00014	.00073	-.0095	+11	-21	-20	-10
862*	12	10	11	.00074	.00295	.0844	.00295	.00072	+.1388	+18	+10	+13	-17
2524*		30	15	.00075	.00048	.0823	.00048	.00073	.0930	+18	+ 2	- 1	+ 4
2525		50	19	.00075	.00062	-.0185	.00062	.00073	+.0889	-21	+15	-11	+19
2641	13	10	19	.00073	.00180	+.0501	.00182	.00072	-.0040	+34	- 7	- 8	+ 3
865		30	14	.00073	.00443	-.0997	.00443	.00071	+.1639	-13	+14	+11	-16
2033		50	24	.00075	+.00314	+.0115	-.00314	.00073	.1740	+ 6	- 4	- 1	- 4
2034*	14	10	16	.00075	-.00044	+.0635	+.00044	.00073	.1008	-29	-13	- 5	-13
2569		30	21	.00074	.00005	-.0234	.00005	.00072	.0998	- 3	-14	-14	+ 7
2570		50	24	.00073	-.00047	.0291	+.00047	.00071	.0970	0	+ 7	+ 2	+15
2605	15	10	34	.00074	+.00003	-.0322	-.00003	.00072	+.1088	-19	- 7	- 8	-14
397		30	24	.00073	-.00026	+.0158	+.00026	.00071	-.1434	+ 5	-10	- 7	+27
2658		50	18	.00073	+.00110	.0171	+.00110	.00071	+.0488	+14	+ 9	+ 1	-20
419	16	10	23	.00073	-.00117	.2220	+.00117	.00071	-.1683	- 8	+ 6	+13	+19
2652		30	31	.00072	.00058	.0056	.00058	.00070	+.0188	+19	-10	- 6	+15
2056		50	27	.00071	-.00057	+.0325	+.00059	.00070	.0209	+11	-18	-18	+ 4
2662	17	10	33	.00072	+.00264	-.0111	-.00264	.00070	.1214	- 3	+ 8	+14	-28
2686		30	23	.00071	.00040	+.0103	.00040	.00069	.0757	-14	- 2	0	+17
2687		50	28	.00071	.00031	+.0404	.00031	.00069	.0321	-11	+ 1	+ 3	- 9
2688	18	10	28	.00071	.00420	-.0743	.00420	.00069	.1567	- 3	- 4	+ 4	+17
2148		30	21	.00070	.00242	+.0319	.00242	.00068	.0716	- 4	+ 5	+ 5	- 4
2691		50	24	.00070	.00043	.0001	.00043	.00068	.0852	0	- 6	- 8	-19
2288	19	10	36	.00071	.00208	+.0162	.00210	.00069	.1697	-11	- 2	- 2	+12
2289		30	24	.00071	.00231	-.0823	.00231	.00069	.1043	+ 5	- 6	- 6	+ 5
2251		50	35	.00071	.00211	.0389	.00211	.00069	.0524	- 3	+ 3	+ 1	+ 1
1416	20	10	25	.00070	.00297	.0076	.00299	.00068	.1271	+14	- 2	- 9	-20
2310		30	22	.00072	.00452	.0595	.00452	.00070	.2088	- 7	- 7	+13	+28
2311		50	25	.00072	.00222	.0066	.00222	.00070	.0597	+ 7	- 8	- 8	+12
2312	21	10	31	.00072	.00262	-.0138	.00262	.00070	.1828	- 1	0	+ 1	+ 2
2313		30	33	.00072	.00250	+.0345	.00250	.00070	.0961	+ 1	0	- 2	+ 6
2316		50	46	.00071	.00305	-.0685	.00307	.00068	.1393	-20	-18	-18	-12
2331	22	10	30	.00072	.00259	.0527	.00259	.00070	.0976	+ 5	+ 4	- 3	-17
2397		30	36	.00073	.00311	.0416	.00311	.00071	.1446	- 2	- 1	+ 4	-18
2860		50	34	.00068	.00250	.0293	.00250	.00066	.1085	+ 1	+ 4	+ 4	- 6
660	23	10	28	.00074	.00261	.0732	.00259	.00072	.1058	+ 7	+16	+13	+14
556		30	34	.00071	.00260	-.0407	.00260	.00069	.0982	+26	+13	+12	+13
2333		50	41	-.00071	+.00292	+.0870	-.00292	-.00069	+.1646	-23	+ 2	- 3	+ 6

ZONE + 68°.

Adopted Plate Constants.

No. of Plate.	R.A. of Centre.	Number of Stars.	<i>a</i> .	<i>b</i> .	<i>c</i> .	<i>d</i> .	<i>e</i> .	<i>f</i> .	<i>a-a</i> .	<i>b-b</i> .	<i>d-d</i> .	<i>e-e</i> .
	h m				int.			int.				
2304	0 0	31	-.00070	+.00300	-.0734	-.00300	-.00067	+.1403	- 8	-12	-11	-13
2921	20	30	.00069	.00262	.1245	.00262	.00067	.1045	- 5	+10	- 3	+19
561	40	27	.00066	.00688	.1007	.00690	.00064	.2174	+13	-15	-11	0
633	1 0	24	.00069	.00673	.1176	.00673	.00067	.2202	+17	- 1	- 2	- 5
2377	20	35	.00072	.00489	.0882	.00489	.00070	.1945	-14	-16	-19	-15
2322	40	26	.00069	.00417	.0230	.00419	.00066	.2115	- 5	- 5	- 5	- 2
2381	2 0	20	.00071	.00357	.1249	.00357	.00069	.1095	-18	- 2	+ 5	- 1
615	20	32	.00066	.00341	.0450	.00343	.00063	.1270	+ 7	- 1	- 1	- 2
706	40	34	.00072	.00298	.0860	.00294	.00072	.1006	+ 6	+ 6	+ 6	+ 5
720	3 0	22	.00075	.00841	.1576	.00839	.00073	.2736	+14	- 7	- 4	+22
715	20	30	.00075	.00878	.1539	.00876	.00072	.2503	+13	- 2	+ 5	+18
2992	40	15	.00077	.00298	.0793	.00298	.00075	.1111	+ 9	0	- 2	- 7
1749	4 0	17	.00076	.00338	.0603	.00340	.00073	.1676	+ 2	-10	-21	-20
1675	20	26	.00071	.00391	.0016	.00391	.00069	.0108	-14	- 1	0	-16
2988	40	25	.00077	.00300	.0527	.00300	.00075	.1112	+13	-24	-19	- 8
2994	5 0	28	.00077	.00279	.0495	.00279	.00075	.0780	+25	- 2	-15	-12
1769	20	18	.00076	.00327	.0460	.00325	.00074	.1364	+ 2	+ 5	+ 5	+ 3
1707	40	22	.00071	.00394	.0947	.00394	.00068	.0860	-21	- 3	+ 2	- 4
2417	6 0	30	.00071	.00492	-.0690	.00492	.00069	.2466	+15	-20	-22	+ 9
2423	20	20	.00078	.00158	+.0707	.00160	.00077	.0661	+ 5	-20	-23	+ 1
725	40	32	.00072	.00065	-.0279	.00065	.00069	.0492	+ 6	0	- 8	+13
3039	7 0	23	.00078	+.00402	-.0517	-.00404	.00075	.1989	0	- 4	- 2	+ 2
3361	20	24	.00075	-.00103	+.0666	+.00107	.00074	.0406	- 7	-13	- 8	+ 9
1861	40	28	.00077	+.00127	-.0581	-.00125	.00075	.1171	+ 4	-12	- 3	-15
781	8 0	18	.00075	.00767	.1437	.00769	.00072	.2598	+ 5	- 2	0	-12
2486	20	22	.00078	.00136	.0032	.00136	.00076	.1082	+12	- 5	0	+15
832	40	15	.00076	.00205	.0192	.00203	.00074	.0773	0	+ 8	- 6	-20
765	9 0	22	.00073	.00420	.0366	.00418	.00071	.1828	+18	- 6	- 7	+ 3
767*	20	21	.00074	.00416	.0597	.00416	.00071	.1705	+ 5	- 2	+10	- 6
834	40	18	.00076	.00109	.0118	.00107	.00073	.0981	-11	- 5	- 6	- 8
769*	10 0	17	.00073	.00413	.0792	.00423	.00070	.1549	+ 9	-21	-20	- 9
3061	20	20	.00076	.00216	.1053	.00214	.00075	.0952	+ 2	+24	+12	-10
836	40	9	.00075	.01441	.2141	.01439	.00072	.0960	- 1	0	+ 1	- 2
771	11 0	24	.00072	.00083	.0226	.00085	.00069	.0985	- 2	- 6	- 8	+26
918	20	18	.00076	.00041	.1671	.00043	.00074	.0843	+21	- 2	+ 1	- 3
2562	40	26	.00077	.00051	.0325	.00051	.00075	.1123	-22	- 5	- 6	+ 3
2591	12 0	8	.00076	.00060	.0454	.00060	.00073	.1185	+ 6	-13	-12	- 8
2551	20	12	.00076	+.00017	.0425	-.00015	.00073	.1091	- 5	- 9	-13	-11
920	40	15	.00074	-.00033	.1535	+.00031	.00072	.0948	-13	+ 2	- 5	+12
2592	13 0	19	.00075	.00019	-.0286	.00021	.00073	.1065	+ 6	-11	-12	+ 9
2553	20	12	.00075	.00020	+.0085	.00020	.00073	.0680	+19	- 7	- 4	-14
2556	40	20	.00075	.00001	.0211	.00001	.00073	.1120	+19	+13	+13	+ 3
2566	14 0	19	.00074	.00047	+.0637	.00049	.00072	.2758	-14	-11	- 3	+27
2594	20	14	.00074	.00050	-.0023	.00050	.00072	.1013	-12	+19	+26	-27
1046	40	14	.00074	.00054	.0125	.00054	.00071	.0609	+19	+ 9	0	+ 1
2595	15 0	20	.00074	.00046	-.0160	.00048	.00072	.1098	+13	- 4	- 8	-10
2030	20	28	.00073	-.00082	+.0415	+.00084	.00070	.0664	+ 9	- 7	- 6	+13
2656	40	29	.00073	+.00075	.0045	-.00075	.00071	.0718	- 6	- 9	-11	- 5
1048*	16 0	16	.00073	-.00098	.0274	+.00098	.00070	.0786	+ 8	+13	+10	0
2653	20	23	.00073	+.00017	.0096	-.00017	.00071	.0620	- 5	-14	-15	- 9
2057	40	29	.00072	-.00245	.0328	+.00247	.00069	.1055	- 7	+ 3	+ 3	- 3
2058	17 0	30	.00072	-.00090	.0463	+.00088	.00069	.0274	- 2	-11	- 4	+12
2682	20	28	.00077	+.00003	+.0213	-.00001	.00074	.0859	+ 4	- 8	- 9	+12
2683	40	39	.00071	.00301	-.0318	.00299	.00068	.1302	+ 1	- 2	- 1	- 7
2684	18 0	30	.00071	.00064	.0002	.00062	.00068	.0780	+ 4	+ 5	+ 8	- 3
2685*	20	20	.00071	.00241	.0116	.00239	.00068	.1362	- 7	- 6	- 5	-13
452	40	24	.00070	.00164	.0159	.00164	.00068	.0868	+18	-12	- 8	- 1
2136	19 0	24	.00071	.00184	.0145	.00182	.00068	.0654	-21	- 5	- 4	- 9
2227	20	27	.00070	.00189	.0322	.00191	.00067	.0572	-15	+ 5	+ 7	-13
1397	40	23	.00070	.00308	-.0371	.00308	.00067	.0904	- 6	+ 1	+ 1	+ 3
2306	20 0	29	.00072	.00141	+.0492	.00143	.00069	+.1348	- 2	- 1	+ 3	- 9
1398	20	20	.00069	+.00319	-.0176	-.00317	.00066	-.1030	- 5	-15	-16	+ 1
1545*	40	20	.00071	-.00235	+.0434	+.00235	.00068	+.0812	0	- 5	- 5	- 7
2776	21 0	23	.00068	+.00165	+.0101	-.00165	.00066	.0708	- 2	-11	- 8	-10
1288	20	25	.00068	.00191	-.0160	.00189	.00065	.0676	+ 1	- 8	-15	+13
2870	40	37	.00069	.00198	.0420	.00198	.00067	.0951	- 4	- 5	- 6	-10
2354	22 0	40	.00073	.00224	-.0906	.00224	.00071	.1874	+ 1	+ 3	0	+11
3239	20	26	.00068	.00134	+.0489	.00134	.00066	.0381	-14	-15	- 1	+19
2359	40	28	.00073	.00238	.0155	.00240	.00071	.0945	- 7	- 5	- 5	+ 7
2838	23 0	27	.00066	.00221	+.0189	.00223	.00064	.0934	+ 3	+15	+15	+ 1
2822	20	19	.00066	.00275	-.1224	.00275	.00065	.1093	- 8	- 9	+13	+27
2900	40	41	-.00068	+.00224	-.0267	-.00224	-.00065	+.0351	+12	-12	- 9	- 4



ZONE + 69°.

Adopted Plate Constants.

No. of Plates.	R. A. of Centre.		Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
	h	m				int.			int.				
2839	Q	10	26	-00067	+00213	-0448	-00213	-00064	+0477	-16	-2	-7	+6
531		30	26	00066	00256	+0136	00256	00063	0919	+5	+10	+15	-18
2298		50	37	00069	00256	0055	00258	00066	1810	-4	+1	+2	-8
1636	I	10	29	00072	+00110	0091	-00112	00069	0276	-2	+2	+1	-9
3297		30	19	00069	-00104	0432	+00106	00066	+0164	+9	+16	+18	+5
4097		50	20	00064	00037	1003	00041	00063	-0406	+5	-5	-7	+11
3298	2	10	21	00069	-00119	+0522	+00121	00066	+0088	+8	-13	-19	-9
2955		30	32	00070	+00253	-0080	-00253	00067	0716	+6	-2	-2	+5
3740		50	24	00071	00100	0630	00100	00068	0033	+12	+21	+21	-11
1697	3	10	26	00073	00262	0598	00260	00070	0501	-15	-4	-2	-31
1698		30	19	00072	00261	0735	00259	00069	0378	-11	-4	-5	-12
1793		50	21	00077	+00156	-1263	-00156	00074	0655	+5	-8	-7	+1
1794	4	10	24	00077	-00449	+0098	+00151	00074	1217	-1	-18	-18	-11
3354		30	26	00077	-00095	+0369	+00095	00074	0213	+2	+8	+4	+22
1699		50	33	00071	+00247	-0033	-00243	00069	0468	+2	-1	-1	-15
3844	5	10	28	00076	00134	0686	00132	00073	0413	+11	-6	-5	-12
3824		30	20	00074	00090	0765	00090	00071	0249	-13	-22	0	+12
2997		50	20	00076	00268	1058	00270	00073	0288	+22	+16	+13	+3
2975	6	10	23	00074	00230	0977	00230	00071	0544	-10	+11	+18	-17
2976		30	11	00074	00226	0195	00228	00071	0936	+4	-9	-8	+14
1785		50	22	00075	00113	-0406	00111	00072	1062	0	+6	+6	-4
1777	7	10	18	00076	+00105	+0496	-00103	00073	0732	-5	-21	-18	+2
2471		30	20	00078	-00008	+0357	+00006	00075	0643	+7	+5	+9	+17
1856		50	32	00077	+00084	-0584	-00084	00074	0761	+2	-12	-10	-14
2433	8	10	22	00077	+00103	0549	-00103	00074	1539	+26	+6	-6	-15
1788		30	14	00075	00086	1168	-00084	00072	0794	+18	-6	+6	+27
879		50	27	00077	+00195	0612	-00195	00074	1070	+7	-1	-2	-22
1789	9	10	18	00074	-00059	0947	+00061	00071	1294	+5	+7	+7	-2
1919		30	16	00077	+00037	-0106	-00035	00074	+1064	+1	-16	-11	-4
4807*		50	18	00069	00028	+0017	00026	00066	-0264	-6	-12	-11	0
2477	10	10	16	00076	00043	-0317	00041	00073	+1285	+2	-8	-9	+22
2469		30	18	00076	00029	-0414	00031	00073	1385	+7	-4	-3	0
1998		50	15	00077	00049	+0220	00047	00074	0852	-1	-8	-3	-20
2000	11	10	15	00077	+00011	0558	-00013	00074	0377	+9	-13	-2	-12
1960		30	31	00076	-00052	+0457	+00052	00073	0727	+14	-13	-16	-20
3956		50	17	00076	+00060	-0860	-00060	00073	0383	+14	+5	+1	+3
3964	12	10	18	00076	+00106	-1238	-00104	00073	+0413	+13	+27	+16	+4
4001		30	19	00076	-00170	+0150	+00172	00073	-0507	+11	+1	+2	+13
3087		50	14	00075	+00103	-0055	-00101	00072	+1011	-5	+6	+3	+11
2564*	13	10	15	00075	-00062	-0234	+00064	00072	1142	+21	-15	-12	+6
3099		30	16	00075	+00034	+0220	-00032	00072	0333	-13	-8	-13	+31
2051		50	19	00075	-00132	0659	+00134	00072	0245	+19	-3	-12	-19
1954	14	10	17	00073	-00126	0288	+00128	00071	0483	+5	-13	-16	+17
2636		30	21	00074	+00011	0351	-00011	00071	0407	+9	+1	+4	-5
2638		50	22	00074	00030	+0091	00030	00071	0626	-13	+2	-3	-31
2665	15	10	20	00074	+00054	-0017	-00052	00071	0752	-18	-3	0	-9
2042*		30	22	00073	-00120	+0121	+00123	00070	0619	-19	+11	+16	-11
2081		50	30	00073	-00014	0280	+00012	00070	1057	+3	-11	-3	-24
2670	16	10	18	00073	+00043	+0128	-00045	00070	+0599	+18	-2	-7	+11
420		30	28	00072	-00156	0450	+00154	00069	-1573	+18	-13	-7	+3
2059		50	35	00072	-00141	+0177	+00143	00069	+0266	-9	+5	+4	0
2671	17	10	34	00072	+00037	-0029	-00035	00069	+0501	+1	-1	-1	-3
4029		30	38	00071	-00259	+1321	+00261	00068	-0179	-8	-2	-5	-5
3529		50	24	00071	-00012	-0020	+00012	00068	+0324	+7	-3	-3	+18
2680	18	10	26	00071	+00011	1397	-00009	00068	0942	-10	+2	+9	-27
3251		30	19	00065	+00077	-0302	-00079	00063	0364	-23	-16	-18	-20
3540		50	21	00070	-00013	+0230	+00013	00067	+0175	-2	+18	+19	+3
4050	19	10	21	00070	00101	0556	00103	00067	-0033	-19	-13	-15	+4
3271		30	23	00071	-00213	+1069	+00211	00068	+0697	+11	-1	+7	-12
2291		50	19	00071	+00134	-0243	-00136	00068	0361	-17	-9	-10	-21
2768	20	10	20	00069	00073	+0828	00075	00066	0583	+10	-5	+3	-15
2328*		30	17	00067	+00129	0082	-00131	00065	0723	-11	+1	+1	+9
3253*		50	21	00070	-00230	+1130	+00230	00067	0649	-17	-7	-2	0
2771	21	10	25	00068	+00422	-0676	-00422	00065	1354	+2	-17	-12	-16
2395		30	32	00073	+00181	-0208	-00181	00070	1299	+4	-4	-2	+11
4061		50	27	00068	-00099	+0333	+00101	00065	0021	-5	+13	+13	-6
3263	22	10	42	00069	-00203	+1119	+00205	00066	0769	+13	-1	-3	-27
2358*		30	26	00072	+00181	-0520	-00183	00069	1318	-1	-5	-11	-25
2887		50	19	00068	+00180	-0448	-00180	00065	0805	-20	-4	-1	-11
3260*	23	10	21	00068	-00181	+1080	+00183	00065	0815	-3	-2	-3	-3
640*		30	30	00071	+00246	-0658	-00244	00068	1354	+17	-7	-9	-3
2937		50	39	-00071	+00192	-0325	-00192	-00068	+1162	0	-11	-11	+19



ZONE +70°.

Adopted Plate Constants.

No. of Plate.	R. A. of Centre.		Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
	h	m				int.			int.				
2375	0	0	22	-.00072	+.00432	-.0564	-.00132	-.00069	+.1794	-2	0	-2	-7
2922	20		16	.00069	.00180	-.1067	.00180	.00066	.1412	-21	-12	-14	0
3652	40		30	.00067	.00078	+.0079	.00080	.00064	.0335	-10	-9	-4	+13
4095	1	0	26	.00065	.00411	-.0451	.00409	.00062	.1300	-16	-5	-1	+8
2378	20		17	.00071	.00268	-.0166	.00266	.00068	.1858	+22	+20	+26	-10
2379	40		16	.00071	.00272	-.0780	.00272	.00068	.0800	+1	+9	+8	-10
1718	2	0	20	.00075	+.00132	-.0056	-.00130	.00072	.0350	+4	+2	0	-10
4115	20		22	.00064	-.00065	+.0785	+.00069	.00063	.0271	-3	+13	+10	+3
3841	40		18	.00077	+.00158	-.0668	-.00156	.00074	+.0385	-8	-5	-5	-2
4134	3	0	20	.00065	.00011	+.0236	.00011	.00062	-.0102	-8	+6	+6	-9
739	20		15	.00077	+.00753	-.1128	-.00753	.00074	+.2568	-2	-6	+3	+17
697	40		17	.00073	-.00391	+.0120	+.00393	.00070	-.0640	+9	-15	-15	-6
2971	4	0	20	.00075	+.00175	-.0739	-.00175	.00072	+.0661	+30	-3	-9	+24
4156	20		20	.00066	-.00055	+.0677	+.00055	.00063	+.0451	-31	+11	+16	-10
4157	40		22	.00066	.00647	.1877	.00649	.00063	-.0223	0	+2	+3	+5
4158	5	0	21	.00065	.00056	.0907	.00058	.00062	+.0188	+8	+9	+8	+16
3359	20		21	.00077	-.00100	+.0585	+.00100	.00074	+.0381	0	+7	+8	-2
3862	40		19	.00077	+.00114	-.1331	-.00116	.00074	-.0233	+27	+9	+3	+14
669	6	0	26	.00069	+.00373	.0666	-.00371	.00066	+.1461	+29	-13	-15	+13
4196	20		19	.00070	-.00129	-.0250	+.00131	.00067	-.0222	+9	-1	+6	-3
3022	40		22	.00077	+.00162	+.0439	-.00164	.00074	+.0251	+6	-6	-9	+9
1787	7	0	21	.00076	.00070	-.0351	.00072	.00073	.0639	+4	-11	-12	-6
3012	20		17	.00076	.00182	.0653	.00182	.00073	.0825	+10	0	-4	0
1786	40		17	.00076	+.00070	-.1465	-.00068	.00073	+.0367	+26	+6	+2	-1
816	8	0	18	.00077	-.00481	+.0967	+.00483	.00074	-.0633	+1	+4	+12	-20
4203	20		19	.00069	+.00600	-.0097	-.00598	.00066	+.2062	-4	+10	+13	+13
4204	40		16	.00068	-.00026	.0190	+.00028	.00065	.0406	+22	-1	+2	+6
3819	9	0	22	.00071	+.00105	.1892	-.00103	.00068	.0440	+14	+5	+10	+24
891	20		20	.00077	.00183	.0643	.00183	.00073	.1225	-3	+3	+4	-1
1933	40		17	.00077	.00013	.0328	.00013	.00074	.0960	+3	+11	+11	+5
3877	10	0	19	.00075	+.00119	.0550	-.00121	.00072	.0264	+7	+2	+6	+1
1934	20		17	.00077	-.00044	-.0035	+.00046	.00074	.0829	+11	+1	+1	+1
3409	40		20	.00077	.00100	+.0587	.00102	.00074	.0459	+5	-11	-10	+5
3968	11	0	18	.00077	.00058	-.0689	.00058	.00074	.0302	-13	+16	+27	+8
3975	20		17	.00076	.00155	.1012	.00153	.00073	.0487	-33	-5	+3	-13
3984	40		15	.00076	.00178	.0191	.00178	.00073	+.0156	+21	-8	-2	-13
3990	12	0	26	.00076	.00196	-.0266	.00196	.00073	-.0614	+1	+4	+7	+7
2531	20		21	.00075	.00078	+.0107	.00078	.00072	+.2260	+9	+2	+2	-13
3995	40		16	.00075	.00162	-.0803	.00162	.00072	-.0217	-7	-3	-8	-4
4007	13	0	17	.00075	-.00184	-.0868	+.00184	.00072	+.0041	+17	-1	+2	-14
3093	20		16	.00075	+.00031	+.0194	-.00029	.00072	.0143	+1	-15	-18	+6
4014	40		20	.00075	-.00187	-.0979	+.00185	.00072	.0016	-10	+1	+1	-5
4018	14	0	20	.00073	+.00242	-.0669	-.00246	.00071	.0686	-13	-4	0	-14
2050	20		19	.00074	-.00134	+.0679	+.00134	.00070	.0127	+5	+1	-4	-4
2668	40		19	.00073	+.00028	+.0125	-.00032	.00071	.0555	+13	-22	-13	+22
2669	15	0	22	.00073	+.00040	-.0212	-.00044	.00071	.0454	-6	+3	+2	+13
1142	20		19	.00073	-.00186	+.0351	+.00184	.00070	.0192	+1	-10	-4	-12
1134	40		16	.00073	.00166	.0325	.00168	.00070	.0162	+20	-6	-1	-8
1135	16	0	27	.00073	-.00113	+.0132	+.00111	.00070	.0096	+1	-10	-8	-3
4446	20		16	.00072	+.00370	-.0424	-.00368	.00069	+.2678	-3	+1	+9	+18
4006	40		29	.00072	-.00221	.0479	+.00219	.00069	-.0340	+7	0	-1	-2
1130	17	0	29	.00072	.00432	-.0015	.00430	.00069	+.0594	+6	-10	-8	-5
2698	20		30	.00072	.00120	+.0292	.00120	.00069	.0598	+9	-4	-3	+4
2699	40		28	.00071	.00111	.0366	.00109	.00068	.0447	-8	-1	-1	-2
1146	18	0	29	.00071	.00204	.0386	.00204	.00067	.0005	+3	-1	+1	-8
2710	20		25	.00071	.00135	.0370	.00137	.00068	+.0706	-5	-5	-7	-10
3171	40		26	.00070	.00604	.0735	.00604	.00067	-.0359	+16	-15	-14	+5
1246	19	0	23	.00070	-.00080	.0031	.00080	.00067	+.0309	+18	+9	-16	-26
1280	20		21	.00070	.00074	.0260	.00076	.00067	.0429	-10	+8	-12	+21
1324	40		24	.00069	-.00075	.0645	+.00075	.00066	.0339	+5	-1	+2	+10
2743	20	0	16	.00069	+.00047	+.0025	-.00047	.00066	.0864	-3	-14	-17	-12
2307	20		18	.00071	-.00073	-.0417	+.00071	.00068	.0829	-31	-8	+5	-13
2294	40		18	.00070	+.00085	+.0378	-.00089	.00068	.0955	+8	+3	+5	+9
2853	21	0	21	.00069	.00051	-.0462	.00053	.00066	.0873	+23	-24	-17	+8
2314	20		23	.00071	.00116	.0018	.00118	.00068	.1456	+1	-14	-15	-14
2315	40		23	.00071	+.00131	-.0036	-.00133	.00068	.0805	+9	+3	-3	-12
4569	22	0	32	.00072	-.00094	+.0470	+.00094	.00069	.0815	-28	+6	+6	+4
2309	20		39	.00071	+.00179	-.0466	-.00181	.00068	.1514	-1	+10	+10	-10
3264	40		22	.00069	-.00233	+.1069	+.00233	.00066	.0693	-3	+8	+5	+11
2372	23	0	30	.00072	+.00270	-.2958	-.00270	.00069	.1488	+3	-5	-5	+6
2373	20		18	.00072	.00178	.0311	.00178	.00069	+.1554	-12	+1	+4	-5
2888	40		28	-.00068	+.00125	-.0124	-.00125	-.00065	-.0048	-7	-4	-1	-8

ZONE + 71°.

*Adopted Plate Constants.*

No. of Plate.	R.A. of Centre.		Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
4612	h	m				int.			int.				
2840	0	12	13	-.00065	-.00108	+0308	+00112	-.00063	-.0095	+ 2	- 5	- 3	- 9
3303		36	25	.00066	+00110	-.0166	-.00110	.00063	+0752	0	+ 8	+ 4	-11
1678	1	0	24	.00070	-.00244	+0644	+00242	.00067	-.0014	-11	+14	+ 8	- 1
1722		24	23	.00072	+00191	-.0001	-.00189	.00069	+0539	- 3	- 2	+ 3	- 5
3711	2	48	34	.00075	.00135	-.0253	.00133	.00072	+0340	+ 2	- 3	- 7	- 9
3706		12	24	.00070	.00035	+0897	.00033	.00067	-.0103	0	- 1	0	- 5
1693	3	36	33	.00068	.00122	-.0437	.00120	.00065	+1969	-20	+11	+ 4	- 4
2991		0	23	.00073	.00133	+0017	.00133	.00069	.0566	- 2	- 3	- 3	-11
4182	4	24	17	.00077	+00167	-.1074	-.00167	.00074	+0412	- 1	+10	+ 6	+10
2993		48	26	.00067	-.00079	+0928	+00081	.00064	-.0047	+ 5	- 3	- 5	- 5
1695	4	12	30	.00077	+00162	-.0999	-.00164	.00074	+1014	+ 5	- 6	- 4	+ 6
4199	5	36	28	.00071	+00158	+0441	-.00160	.00068	.0680	-19	-14	-13	-17
4370		0	20	.00071	-.00027	+0480	+00029	.00068	.0054	+16	+ 1	+ 2	- 3
1838	6	24	20	.00077	-.00112	-.0124	+00108	.00075	.0454	- 7	+ 7	+ 6	+ 8
3803		48	10	.00078	+00049	.0946	-.00051	.00075	+0710	- 5	- 3	+ 1	-33
3376	6	12	16	.00072	+00122	-.0893	-.00120	.00069	-.0049	+ 9	- 2	0	+ 3
3340		36	22	.00078	-.00063	+0433	+00063	.00074	+0394	+10	- 1	- 2	+ 7
4371	7	0	17	.00074	.00102	.0463	.00104	.00071	-.0282	+14	+ 2	+ 7	+21
2504		24	20	.00078	-.00153	+0104	+00155	.00075	+0479	+ 3	+ 8	+ 6	- 5
4373	8	48	17	.00078	+00037	-.0596	-.00039	.00075	.0751	+ 2	- 4	- 5	- 8
1855		12	20	.00077	-.00147	+0357	+00147	.00073	.0442	-15	+16	+11	- 1
2509	9	36	15	.00076	.00006	-.0509	.00006	.00072	.0752	- 2	- 2	- 1	-11
2500		0	18	.00078	.00016	+0256	.00014	.00074	.0613	+11	- 2	- 4	+ 1
1858	10	24	13	.00077	.00048	-.0153	.00048	.00073	.1269	-19	- 1	+ 3	- 6
1859		48	20	.00076	.00118	+0489	.00120	.00073	.0371	- 2	+ 3	+ 2	0
4376	10	12	13	.00076	.00123	.0412	.00125	.00073	.0233	+ 8	-11	-10	- 2
1975		36	14	.00076	.00182	.1155	.00184	.00073	.0330	+ 3	-10	-10	+ 3
4412	11	0	19	.00076	.00119	.0455	.00117	.00073	.0414	- 1	- 6	+19	-21
2579		24	8	.00076	-.00184	+0767	+00186	.00073	.0461	-14	- 4	- 6	+18
4377	12	48	14	.00076	+00167	-.0422	-.00165	.00073	.1636	- 3	- 4	- 7	+ 8
4440		12	13	.00072	-.00161	+0879	+00167	.00071	.0555	+17	+19	+16	- 6
1955	13	36	12	.00076	.00100	.0521	.00102	.00073	.0591	- 2	+ 4	+ 3	+ 1
2623		0	16	.00075	.00187	+0458	.00185	.00072	.0265	- 3	+10	+13	+ 8
1957	14	24	11	.00075	.00018	-.0009	.00018	.00072	+0952	+ 4	- 7	- 9	+ 1
1137		48	11	.00074	-.00344	+0352	+00344	.00070	-.1634	+ 7	+ 1	+ 3	+ 4
2666	14	12	12	.00073	+00084	-.0015	-.00086	.00071	+0919	+ 9	-14	- 6	+24
2667		36	12	.00074	-.00061	+0350	+00059	.00071	.0407	+ 4	-19	-21	-11
1126	15	0	22	.00074	+00187	-.0121	-.00189	.00071	.0968	+ 7	-13	-14	+ 1
4985		24	19	.00073	-.00581	+0645	+00583	.00070	.0414	-17	+ 4	- 3	+19
2676	16	48	20	.00072	+00161	-.1403	-.00157	.00070	.0432	- 1	- 4	- 7	-13
4481		12	22	.00073	-.00080	-.1452	+00080	.00069	.0542	-17	0	-11	+ 6
4023	17	36	21	.00072	-.00196	+0964	+00194	.00069	.0453	- 8	- 6	- 3	- 7
2704		0	20	.00072	+00206	-.0725	-.00208	.00069	.0676	-11	+ 3	+ 4	+11
2705	17	24	18	.00071	-.00139	+0388	+00139	.00067	.0613	0	+ 2	+ 1	- 5
2718		48	17	.00071	.00164	.0334	.00164	.00068	.0525	+ 5	-18	-15	+ 9
1241	18	12	24	.00071	.00182	.0433	.00184	.00068	.0753	- 3	- 2	- 1	+ 8
2844		36	24	.00070	-.00287	+0540	.00287	.00066	.0214	+12	-10	- 7	+ 7
1242	19	0	23	.00070	+00002	-.0339	-.00004	.00067	.0588	+ 4	-12	-14	+17
2742		24	29	.00070	-.00392	+0622	+00394	.00067	.0240	-19	-13	- 8	-10
2745	20	48	19	.00069	+00041	-.0050	-.00039	.00066	.1062	+ 5	- 6	- 8	+ 6
2746		12	22	.00069	-.00021	+0287	+00019	.00066	.0826	- 6	-13	-14	-17
4549	21	36	22	.00069	-.00008	.0228	+00008	.00065	.0833	+15	+ 3	-23	+ 8
2773		0	21	.00068	+00029	+0332	-.00027	.00065	.0096	+21	-24	-15	+ 3
2774		24	16	.00068	.00025	-.0228	.00025	.00065	.0935	-19	-10	- 6	- 1
2871	22	48	21	.00068	.00279	-.0272	.00277	.00065	.1372	+15	-20	-12	- 5
2943		12	32	.00069	.00051	.0296	.00049	.00066	.0334	+ 2	- 4	- 3	+ 4
2908	23	36	22	.00072	+00089	.0990	-.00087	.00069	+2333	+ 1	- 7	- 6	+ 4
3256		0	24	.00069	-.00207	-.0020	+00209	.00066	-.0064	- 9	-18	- 7	+ 9
1579		24	24	.00068	-.00314	+1900	+00312	.00065	+1169	- 1	- 3	0	+20
		48	28	-.00070	+00115	+0162	-.00115	-.00066	+0716	-10	0	0	+ 6



ZONE + 72°.

Adopted Plate Constants.

No. of Plate.	R.A. of Centre.	Number of Stars.	a.	b.	c.	d.	e.	f.	a-a.	b-b.	d-d.	e-e.
	h m				int.			int.				
3660	0 0	26	-.00068	+.00080	-.0150	-.00080	-.00064	+.0028	+ 9	- 6	0	- 1
2924	24	16	.00067	+.00035	-.0275	-.00031	.00065	+.0051	+16	+ 2	- 3	+19
4600	48	13	.00065	-.00108	+.0750	+.00114	.00063	-.0047	+28	- 8	-15	- 4
4601	1 12	16	.00065	-.00097	+.0357	+.00103	.00063	.00067	-17	+11	+ 4	+14
3684	36	30	.00068	+.00106	-.0599	-.00104	.00065	-.0318	+ 2	- 6	- 6	- 1
2948	2 0	21	.00070	.00081	.0204	.00079	.00067	+.0535	- 1	-12	-12	+ 9
3637	24	23	.00065	.00131	.0191	.00131	.00061	-.0337	+14	+ 2	- 5	- 6
1701	48	22	.00073	.00082	.0133	.00082	.00069	+.0249	-12	- 1	- 1	-10
2290	3 12	21	.00077	.00066	.0009	.00066	.00073	.1019	- 8	+ 1	- 1	- 1
3688	36	21	.00066	.00134	-.0735	.00134	.00062	.0010	+ 2	- 1	- 2	- 3
1703	4 0	19	.00072	.00081	+.0481	.00079	.00068	.0360	+ 9	+ 9	+ 7	-10
3017	24	28	.00076	.00445	-.1590	.00441	.00074	.1453	+13	- 9	- 9	+17
3871	48	27	.00078	.00158	.0449	.00160	.00075	.0522	+26	+ 3	+ 1	+12
1705	5 12	13	.00074	+.00594	-.0060	-.00598	.00072	.0024	- 6	- 4	- 2	+ 4
1820	36	12	.00077	-.00376	+.0408	+.00376	.00073	.0330	- 2	-18	-19	4
3372	6 0	18	.00077	.00055	+.0525	.00055	.00073	.0626	+ 5	+ 1	0	+16
4381	24	15	.00078	.00124	-.0462	.00120	.00075	.1147	- 5	-10	-12	- 4
1814	48	18	.00077	-.00037	.0555	+.00037	.00073	+.0545	- 3	+14	+15	- 4
3910	7 12	15	.00074	+.00155	-.0454	-.00157	.00071	-.0043	- 8	- 1	0	+ 3
3023	36	16	.00076	.00044	+.0165	.00044	.00072	+.1029	+19	-11	-10	+13
3024	8 0	19	.00076	.00036	.0075	.00038	.00072	.0181	+13	- 2	- 5	+21
4762	24	19	.00070	.00069	+.0443	.00065	.00067	.0400	-12	+ 1	+ 2	- 3
4763	48	21	.00070	+.00012	-.0474	-.00008	.00067	.0203	- 9	+10	+ 7	+ 3
4764	9 12	15	.00069	-.00030	.0064	+.00034	.00067	.0597	- 1	- 5	- 7	+ 1
4399	36	11	.00077	.00082	.0465	.00078	.00074	.0331	+ 3	+ 4	+ 4	-15
934	10 0	19	.00077	-.00363	.1105	+.00359	.00073	+.0767	+ 3	+ 2	+ 3	- 4
3890	24	12	.00075	+.00078	.0231	-.00076	.00072	-.0490	- 4	+ 4	+ 1	-17
4797	48	12	.00069	.00036	.0331	-.00030	.00068	+.0731	- 4	- 2	0	+15
3980	11 12	17	.00076	-.00179	-.0472	+.00177	.00073	.0053	- 1	- 2	- 3	+ 9
3925	36	13	.00076	+.00041	+.0662	-.00041	.00072	+.0067	+17	- 9	- 2	+ 3
3046	12 0	13	.00075	-.00016	+.0130	+.00014	.00072	-.0109	- 8	-19	-20	- 6
4002	24	8	.00075	.00104	-.0939	.00100	.00073	-.0288	-26	-18	-25	- 4
2573	48	19	.00075	.00202	+.0069	.00202	.00071	+.0640	- 1	- 6	- 4	+ 7
2587	13 12	12	.00075	.00213	.0141	.00215	.00072	.0783	+13	- 8	- 3	- 3
1978	36	10	.00074	-.00304	+.0811	+.00306	.00070	+.0346	-21	- 6	0	- 1
4871	14 0	7	.00073	+.00073	-.0821	-.00077	.00071	-.1994	- 3	+ 6	+14	- 8
3972	24	10	.00074	-.00202	+.0019	+.00204	.00071	+.0435	-26	+18	+ 3	- 5
1024	48	13	.00074	.00263	-.0364	.00263	.00070	-.1724	-19	+ 2	+12	+10
3088	15 12	24	.00073	.00131	-.0121	.00135	.00070	+.0393	+29	-10	- 8	+ 7
4033	36	22	.00073	.00081	+.1055	.00083	.00070	-.0015	- 5	+ 4	+ 2	- 6
4944	16 0	15	.00073	.00015	-.0005	.00017	.00070	-.0196	-22	+24	+ 9	+ 4
2708	24	25	.00072	-.00228	+.0435	+.00228	.00068	+.0485	+19	-10	- 6	+ 2
4968	48	15	.00071	+.00126	-.0905	-.00122	.00069	-.0058	0	- 2	-22	+11
2717	17 12	23	.00072	-.00228	+.0590	+.00228	.00068	+.0528	-15	+ 8	+ 1	+ 3
2678	36	26	.00070	.00178	-.1242	.00182	.00068	.0498	- 4	-10	- 9	-10
1204	18 0	17	.00070	.00230	+.0607	.00230	.00067	.0042	+19	+14	+ 4	-18
2721	24	21	.00071	.00214	.0358	.00212	.00068	.0561	+14	- 2	+ 1	+ 3
3213	48	25	.00070	.00093	.0330	.00091	.00067	.0168	+ 2	+ 4	+ 2	- 2
2722	19 12	23	.00070	-.00218	+.0399	+.00216	.00067	.0509	- 7	-10	- 8	+ 2
2152	36	27	.00069	+.00355	-.0535	-.00353	.00066	.0532	- 4	+ 3	+ 4	-10
2744	20 0	22	.00069	-.00070	+.0268	+.00070	.00065	+.0606	- 5	- 5	- 4	+ 1
4551	24	22	.00069	.00100	.0334	.00098	.00066	-.0121	+ 6	+ 8	+ 5	15
3277	48	15	.00070	.00388	.1508	.00386	.00067	+.0575	+ 5	+ 1	+ 3	- 4
3227	21 12	25	.00068	-.00399	.0179	+.00399	.00064	.0012	- 8	+ 1	+ 6	-18
1377	36	18	.00068	+.00148	+.0280	-.00146	.00064	.0675	+ 2	+ 1	- 8	-32
1503	22 0	27	.00069	+.00161	-.0320	-.00161	.00065	.0824	+ 3	+ 3	+ 5	- 8
3267	24	26	.00069	-.00352	+.1269	+.00354	.00066	.0585	+12	- 2	+ 7	- 6
2906	48	19	.00069	+.00034	-.0016	-.00032	.00066	.0356	0	-10	- 7	-10
4757	23 12	16	.00073	.00032	+.0333	.00036	.00071	.0460	-23	-11	- 4	-11
4703	36	22	-.00067	+.00063	-.0210	-.00067	-.00065	+.0358	-14	0	+ 2	- 5



The question arises as to whether these residuals  $a-a$ ,  $b-b$ ,  $d-d$ ,  $e-e$  are due to accidental errors in the assumed right ascensions and declinations of the reference stars, or are real discordances in the plate constants due to such causes as

- (i) change in scale value.
- (ii) optical distortion.
- (iii) tilt of the plate.

There can be no doubt that errors in the assumed right ascensions and declinations are responsible for by far the greater part of their discordances. This is readily shown by comparing the plate constants derived from the right ascensions and declinations given in the *Helsingfors* and *Christiania Catalogues* with those obtained with star places derived from the recent Greenwich observations for the new *Nine Year Catalogue* 1900. This comparison has been made for the following plates, in which the discordances of the plate constants derived from the *Helsingfors* and *Christiania Catalogues* were excessive.

Comparison of plate constants  $\alpha$ ,  $e$ , and  $b+d$ , with the similar quantities derived (i) from right ascensions and declinations of the *Astronomische Gesellschaft Catalogues* (Helsingfors and Christiania), and (ii) from recent Greenwich observations with their theoretical values is given below. (The unit is '00001 ~~of a méridien interval~~)

No. of Plate.	Zone.	R.A. of Centre.	$\alpha$	$\alpha$	$\alpha$	$e$	$e$	$e$	$b+d$	$b+d$	$b+d$
			A.G.C.	Greenwich.	Theoretical.	A.G.C.	Greenwich.	Theoretical.	A.G.C.	Greenwich.	Theoretical.
		$h\ m$									
1610	65	2. 33	- 99	- 57	- 69	- 68	- 76	- 69	- 70	- 21	- 2
2367		3. 45	- 69	- 68	- 68	-108	- 82	- 66	+ 6	+ 3	0
2981		4. 3	- 35	- 76	- 77	-113	- 66	- 75	+ 32	+ 2	0
2369		4. 21	- 62	- 70	- 68	-104	- 88	- 66	- 18	- 14	0
807		6. 9	- 48	- 61	- 78	-110	- 66	- 76	- 10	- 35	0
1774		7. 3	-100	-105	- 75	- 71	- 75	- 75	+ 39	+ 11	+ 2
854		9. 27	- 40	- 77	- 77	- 53	- 74	- 75	- 8	- 4	0
336		12. 9	- 57	- 85	- 76	- 41	- 65	- 74	- 47	+ 7	0
2554		13. 21	- 66	- 73	- 77	- 83	- 71	- 75	- 45	- 6	0
2568		14. 15	- 30	- 55	- 74	- 85	- 85	- 72	- 4	- 4	0
2044		15. 27	- 95	- 99	- 73	- 98	- 77	- 71	- 41	- 25	0
2048		17. 15	- 54	- 59	- 71	- 32	- 45	- 70	+ 35	+ 16	- 2
2923		1. 12	- 53	- 72	- 68	- 80	- 73	- 66	- 43	+ 4	0
1762		5. 6	- 96	- 87	- 76	- 40	- 74	- 74	- 21	- 41	+ 2
2463	66	9. 0	- 71	- 65	- 77	- 38	- 56	- 75	+ 8	- 18	- 2
951		9. 54	- 79	- 74	- 77	-105	- 77	- 75	- 36	+ 9	0
938		11. 24	- 53	- 68	- 76	-126	- 80	- 74	- 5	- 23	+ 2
941		12. 18	- 27	- 60	- 75	- 71	- 71	- 73	- 2	+ 7	+ 2
441		18. 0	- 40	- 57	- 71	- 97	- 86	- 70	- 12	+ 7	+ 2
2338		20. 6	- 96	- 95	- 72	-114	-101	- 71	+ 7	- 16	- 2
2859		22. 30	- 74	- 70	- 69	- 77	- 76	- 67	- 66	- 7	0
2837		22. 48	- 84	- 90	- 68	- 74	- 73	- 67	- 80	- 30	- 2
2303		23. 24	- 86	- 79	- 70	-113	- 88	- 68	+ 5	- 1	0
1598		1. 50	- 82	- 64	- 70	- 71	- 81	- 68	- 49	- 23	+ 2
1641		2. 50	- 85	- 67	- 72	- 76	- 82	- 70	- 54	+ 3	0
2995		3. 50	- 57	- 67	- 76	- 33	- 63	- 75	- 8	- 23	- 2
862		12. 10	- 6	- 56	- 74	- 57	- 89	- 72	- 39	+ 23	0
2524		12. 30	- 68	- 57	- 75	- 96	- 69	- 73	+ 31	+ 1	0
2034	68	14. 10	-105	-104	- 75	- 92	- 86	- 73	+ 34	- 18	0
767		9. 20	- 95	- 69	- 74	- 71	- 77	- 71	- 55	+ 8	0
769		10. 0	- 52	- 64	- 73	- 99	- 79	- 70	- 50	- 41	0
1048		16. 0	- 77	- 65	- 73	- 81	- 70	- 70	- 42	+ 23	0
2685		18. 20	- 66	- 78	- 71	- 82	- 81	- 68	- 62	- 9	+ 2
1545	69	20. 40	- 90	- 71	- 71	-104	- 75	- 68	+ 4	- 10	0
4807		9. 50	- 67	- 76	- 69	- 28	- 67	- 66	+ 6	- 21	+ 2
2564		13. 10	- 59	- 54	- 75	- 81	- 66	- 72	- 42	- 25	+ 2
2042		15. 30	- 72	- 92	- 73	-137	- 81	- 70	+ 22	+ 29	+ 2
2328		20. 30	-103	- 78	- 67	- 37	- 56	- 65	- 8	0	- 2
3253		20. 50	- 74	- 87	- 70	- 37	- 67	- 67	+ 28	- 9	0
2358		22. 30	- 84	- 73	- 72	-115	- 94	- 69	- 13	- 18	- 2
3260		23. 10	- 92	- 71	- 68	-104	- 68	- 65	- 10	- 3	+ 2
640		23. 30	- 43	- 54	- 71	- 61	- 71	- 68	+ 4	- 14	+ 2

Examination of the above table shows that when a second solution based on revised places of the reference stars was made on account of some large discordance in  $a$ ,  $e$ , or  $b+d$ , a great improvement has been made.

The mean values of  $a-a$ ,  $b-b$ ,  $d-d$ ,  $e-e$  for the 568 plates are

$$+0.000003, -0.000022, -0.000017, -0.000003.$$

The agreement of  $a-a$  and  $e-e$  is well within the limits of the error of the determination. The values of  $b-b$  and  $d-d$  are too large to be entirely accidental. The discordance would be explained if the angles between the *réseaux* lines is  $0.00039$  or  $8''$  greater than a right angle, but in view of the determination given on p. xxxix for the different *réseaux*, this cannot be regarded as the true explanation. Other hypotheses could be suggested, and this is only mentioned as giving a clear idea of the geometrical nature of the discordance.

A careful examination of the residuals given on pp. xlvii-liv seems to show that there is a variation of the scale value from the mean value, but that for any plate this variation is so much smaller than the accidental errors involved in the determination of  $a$  and  $e$  from one plate that it is better to adopt the mean value  $-0.00099$  throughout.

Assuming that  $\epsilon_1$  and  $\epsilon_2$  are the accidental errors of the determination of  $a$  and  $e$ , and  $x$  the real deviation of the scale from  $-0.00099$ , the mean square of the residuals  $a-a$  will be  $\epsilon_1^2 + x^2$ ; similarly, the mean square of the residuals  $e-e$  will be  $\epsilon_2^2 + x^2$ ; but the mean square of the differences  $a-a-(e-e)$  will be  $\epsilon_1^2 + \epsilon_2^2$ .

But

$$(a-a)^2 + (e-e)^2 - \{a-a-(e-e)\}^2 = 2(a-a)(e-e).$$

Therefore

$$\epsilon_1^2 + x^2 + \epsilon_2^2 + x^2 - (\epsilon_1^2 + \epsilon_2^2) = 2(a-a)(e-e)$$

or

$$x^2 = (a-a)(e-e).$$

Forming these products, we have for the different zones

Zones.	Number of Plates.	$x^2$	Zones.	Number of Plates.	$x$
65°	80	+ 51	69°	72	+ 28
66	80	+ 16	70	72	+ 25
67	72	+ 27	71	60	+ 4
68	72	+ 4	72	60	+ 20

The mean value of  $x^2$  for all the 568 plates is 21.6, giving for the probable difference of the scale for any one plate from the value  $-0.00099$  the value  $\pm 0.00031$ ; if 19 extreme values where the product  $(a-a)(e-e)$  is greater than  $\pm 400$  be omitted the mean value of  $x^2$  is reduced from 21.6 to 11.1 and the probable error to  $\pm 0.00022$ .

This variation of the scale value is much smaller than the probable error of the determination of the scale value from a single plate, and thus the method employed above of adopting the same scale value for all the plates is justified.

Further discussion of the residuals  $a-a$ , etc. is deferred till the redetermination of the plate constants has been made with revised places of the reference stars from the forthcoming *Greenwich Nine Year Catalogue*, 1900.

# VIII. DETERMINATION OF A STAR'S RIGHT ASCENSION AND DECLINATION FROM ITS MEASURED CO-ORDINATES.

From the tables of plate constants given on pp. xlvii–liv, the Standard Co-ordinates of a star are obtained from the measures by the formulæ

$$\left. \begin{aligned} \xi &= x + ax + by + c \\ \eta &= y + dx + ey + f \end{aligned} \right\}$$

The name “Standard Co-ordinates,” introduced by Prof. Turner (*Monthly Notices of the Royal Astronomical Society*, Vol. LIV. p. 11), is given to the co-ordinates the star has on an ideal plate fulfilling the following conditions:—

- (i) The centre of the plate agrees with the assumed centre (epoch 1900·0).
- (ii) The plate is oriented for the epoch 1900·0.
- (iii) The focal length of the telescope is such as to give the scale of 1<sup>mm</sup> to 1' exactly.
- (iv) Refraction and Aberration are corrected for.

The determination of right ascension and declination from the standard co-ordinates is a purely geometrical one. The formulæ giving them are:—

$$\left. \begin{aligned} \xi &= \sin(\alpha - A) \sec(\theta - D) \sin \theta \cot \delta \\ \eta &= \tan(\theta - D) \end{aligned} \right\}$$

where  $\tan \theta = \sec(\alpha - A) \tan \delta$

In these formulæ,  $\alpha$ ,  $\delta$  are the right ascension and declination of the star;  $A$ ,  $D$  the right ascension and declination of the centre of the plate; and  $\theta$  is an auxiliary angle. In these formulæ  $\xi$  and  $\eta$  are referred to the centre of the *réseau* as origin.

These formulæ may be transformed into the following, giving the right ascension and declination directly in terms of  $\xi$ ,  $\eta$ .

$$\tan(\alpha - A) = \frac{\xi \sec D}{1 - \eta \tan D} \quad (i)$$

$$\delta = D + \eta - \frac{1}{2} \xi^2 \tan(D + \eta) - \frac{\eta^3}{3} \quad (ii)$$

$$+ \frac{1}{8} \xi^4 \tan(D + \eta) \{3 + \tan^2(D + \eta)\} + \frac{1}{4} \xi^2 \eta^2 \tan(D + \eta)$$

+ terms higher than the fourth order in  $\xi$  and  $\eta$ .

The first of these formulæ gives  $\alpha - A$  rigorously and its use is facilitated by tables given below.

In the case of the second formula  $D + \eta$  is first found by adding the  $y$  standard co-ordinate to the declination of the centre of the plate. The next term  $-\frac{1}{2} \xi^2 \tan(D + \eta)$  which is a curvature correction, is always less than 2' between declinations 64° and 72°. It is readily computed by help of the tables given below in which  $\frac{1}{2} \xi^2$  is tabulated and a table of natural tangents given on the opposite page. The term  $-\frac{\eta^3}{3}$  is the difference  $\tan^{-1} \eta - \eta$ ; its maximum value is  $-0''\cdot48$ ; it is given below in a small table with argument  $\eta$ .



The term  $\frac{1}{8} \{ \xi^4 \tan (D + \eta) 3 + \tan^2 (D + \eta) \}$  is generally negligible, its maximum value (at the extreme corner of the *réseau* on a plate in zone 71°) being +0".12; its value where it is sensible is however given in a small table.

The term  $\frac{1}{4} \xi^2 \eta^2 \tan (D + \eta)$  has a maximum value of ".02 in the extreme corner of the plate and may be neglected.

The following tables are designed to give  $\alpha$  with an accuracy of 0".01 and  $\delta$  with an accuracy of 0".1.

In the formula  $\tan (\alpha - A) = \frac{\xi \sec D}{1 - \eta \tan D} \xi$  and  $\eta$  are supposed expressed in circular measure and the value of  $\alpha - A$  given by it directly would be in arc and require conversion into time. A slight modification of the formula is necessary to avoid this.

When  $\xi$  and  $\eta$  are expressed in *réseau* intervals, the formula becomes

$$\tan (\alpha - A) = \frac{\xi \operatorname{cosec} D}{\frac{2160}{\pi} \cot D - \eta}$$

Further

$$\alpha - A = \tan (\alpha - A) - \frac{1}{3} \tan^3 (\alpha - A) + \frac{1}{5} \tan^5 (\alpha - A) \text{ etc.}$$

or

$$(\alpha - A)^s = \tan (\alpha - A) \operatorname{cosec} 1^s - \text{Small correction } \Delta (\alpha - A).$$

This small correction  $\Delta (\alpha - A)$  is always less than 1<sup>s</sup> and is tabulated below in Table II.

Omitting it for the moment, and subtracting 14 from  $\xi$  and  $\eta$  to make them agree with the numeration of the *réseau*.

$$\begin{aligned} \log (\alpha - A)^s &= \log (\xi - 14) + \log (\operatorname{cosec} D \operatorname{cosec} 1^s) - \log \left( \frac{2160}{\pi} \cot D + 14 - \eta \right) \\ &= \log (\xi - 14) + \log P - \log (Q - \eta). \end{aligned}$$

The values of P and Q are tabulated below for the zones in the present volume.

TABLE I.

Values of Constants P and Q for Zones 65°-72° for facilitating determination of Right Ascension.

Dec. of centre of Plate.	log P.	Q.
65°	4.181058	334.600
66	4.177604	320.117
67	4.174308	305.847
68	4.171168	291.788
69	4.168182	277.925
70	4.165348	264.247
71	4.162664	250.742
72	4.160128	237.400

TABLE II.

Correction to be applied to  $(a-A)$  obtained from the formula  $(a-A) = \frac{P\xi}{Q-\eta}$ . This correction is  $a-A-\tan(a-A)$  and is always applied so as to diminish  $(a-A)$  numerically.

$a-A$ .	0°.	10°.	20°.	30°.	40°.	50°.	60°.
m	s	s	s	s	s	s	s
0	·000	·000	·000	·000	·000	·000	·000
1	·000	·001	·001	·001	·001	·002	·003
2	·003	·004	·005	·006	·007	·009	·010
3	·010	·012	·014	·016	·019	·021	·024
4	·024	·027	·031	·035	·039	·043	·048
5	·048	·053	·058	·063	·069	·076	·082
6	·082	·089	·097	·105	·113	·121	·130
7	·130	·140	·150	·161	·171	·182	·194
8	·194	·207	·219	·233	·247	·262	·277
9	·277	·293	·309	·326	·344	·363	·383
10	·383	·402	·421	·441	·463	·485	·506
11	·506	·531	·554	·579	·606	·632	·658
12	·658	·686	·715	·744	·774	·806	·837
13	·837	·870	·904	·938	·973		

TABLE III.

For Conversion of Réseau Intervals into Degrees and Minutes of Arc.

$\eta$ .	Equivalent.	$\eta$ .	Equivalent.	$\eta$ .	Equivalent
	° ' "		° ' "		' "
1	2 55	14	0 0	0·2	1 0
2	1 0	15	0 5	0·4	2 0
3	1 5	16	0 10	0·6	3 0
4	1 10	17	0 15	0·8	4 0
5	1 15	18	0 20	...	...
6	1 20	19	0 25	0·1	0 30
7	1 25	20	0 30	0·01	0 3
8	1 30	21	0 35	0·001	0 0·3
9	1 35	22	0 40	0·0001	0 0·03
10	1 40	23	0 45	...	...
11	1 45	24	0 50	...	...
12	1 50	25	0 55	...	...
13	1 55	26	1 0	...	...
14	0 0	27	1 5	...	...

TABLE IV.

Values of  $\frac{1}{2} (\xi - 14)^2 \sin^2 5' \operatorname{cosec} 1''$  for values of  $\xi - 14$  from 0.00 to 12.99.

$\xi - 14$			$\xi - 14$	0	2	4	6	8	$\xi - 14$	0	1	2	3	4	5	6	7	8	9
0.0	0.00		1.0	0.22	.23	.24	.25	.25	7.0	10.69	.72	.75	.78	.81	.84	.87	.91	.94	.97
.1	.00		1.1	0.26	.27	.28	.29	.30	7.1	11.00	.03	.06	.09	.12	.15	.18	.22	.25	.28
.2	.01		1.2	0.31	.32	.34	.35	.36	7.2	11.31	.34	.37	.40	.44	.47	.50	.53	.56	.59
.3	.02		1.3	0.37	.38	.39	.40	.42	7.3	11.63	.66	.69	.72	.75	.79	.82	.85	.88	.91
.4	.03		1.4	0.43	.44	.45	.47	.48	7.4	11.95	.98	.01	.04	.08	.11	.14	.17	.21	.24
.5	.05		1.5	0.49	.50	.52	.53	.54	7.5	12.27	.30	.34	.37	.40	.44	.47	.50	.54	.57
.6	.08		1.6	0.56	.57	.59	.60	.62	7.6	12.60	.63	.67	.70	.73	.77	.80	.83	.87	.90
.7	.11		1.7	0.63	.65	.66	.68	.69	7.7	12.94	.97	.00	.04	.07	.10	.14	.17	.21	.24
.8	.14		1.8	0.71	.72	.74	.75	.77	7.8	13.27	.31	.34	.38	.41	.44	.48	.51	.55	.58
.9	.18		1.9	0.79	.80	.82	.84	.86	7.9	13.62	.65	.69	.72	.75	.79	.82	.86	.89	.93
$\xi - 14$	0	1	2	3	4	5	6	7	8	9									
2.0	0.87	.88	.89	.90	.91	.92	.93	.94	.95	8.0	13.96	.00	.03	.07	.10	.14	.17	.21	.24
2.1	0.96	.97	.98	.99	.00	.01	.02	.03	.05	8.1	14.31	.35	.38	.42	.46	.49	.53	.56	.60
2.2	1.06	.07	.08	.08	.09	.10	.11	.12	.14	8.2	14.67	.71	.74	.78	.81	.85	.89	.92	.96
2.3	1.15	.16	.17	.18	.19	.20	.22	.23	.25	8.3	15.03	.07	.10	.14	.17	.21	.25	.28	.32
2.4	1.26	.27	.28	.29	.30	.31	.32	.33	.35	8.4	15.39	.43	.47	.50	.54	.58	.61	.65	.69
2.5	1.36	.37	.39	.40	.41	.42	.43	.44	.46	8.5	15.76	.80	.84	.87	.91	.95	.99	.02	.06
2.6	1.47	.49	.50	.51	.52	.53	.54	.56	.58	8.6	16.14	.17	.21	.25	.29	.32	.36	.40	.44
2.7	1.59	.60	.61	.63	.64	.65	.66	.67	.70	8.7	16.51	.55	.59	.63	.66	.70	.74	.78	.82
2.8	1.71	.72	.73	.75	.76	.77	.78	.80	.82	8.8	16.89	.93	.97	.01	.05	.09	.13	.16	.20
2.9	1.83	.85	.86	.87	.89	.90	.91	.92	.95	8.9	17.28	.32	.36	.40	.44	.48	.51	.55	.59
3.0	1.96	.98	.99	.00	.02	.03	.04	.06	.08	9.0	17.67	.71	.75	.79	.83	.87	.91	.95	.99
3.1	2.10	.11	.12	.14	.15	.17	.18	.19	.22	9.1	18.07	.11	.14	.18	.22	.26	.30	.34	.38
3.2	2.24	.25	.26	.28	.29	.31	.32	.33	.36	9.2	18.47	.51	.55	.59	.63	.67	.71	.75	.79
3.3	2.37	.39	.41	.42	.43	.45	.46	.48	.51	9.3	18.87	.91	.95	.99	.03	.07	.11	.15	.20
3.4	2.52	.54	.55	.57	.58	.60	.61	.63	.66	9.4	19.28	.32	.36	.40	.44	.48	.52	.57	.61
3.5	2.67	.69	.70	.72	.73	.75	.77	.78	.80	9.5	19.69	.73	.77	.81	.86	.90	.94	.98	.02
3.6	2.83	.84	.86	.88	.89	.91	.92	.94	.96	9.6	20.11	.15	.19	.23	.27	.32	.36	.40	.44
3.7	2.99	.00	.02	.04	.05	.07	.09	.10	.12	9.7	20.53	.57	.61	.65	.70	.74	.78	.82	.87
3.8	3.15	.17	.18	.20	.22	.24	.25	.27	.30	9.8	20.95	.00	.04	.08	.12	.17	.21	.25	.30
3.9	3.32	.34	.35	.37	.39	.41	.42	.44	.46	9.9	21.38	.43	.47	.51	.56	.60	.64	.69	.73
4.0	3.49	.51	.53	.54	.56	.58	.60	.62	.63	10.0	21.82	.86	.90	.95	.99	.04	.08	.12	.17
4.1	3.67	.68	.70	.72	.74	.76	.78	.79	.81	10.1	22.25	.30	.34	.39	.43	.48	.52	.56	.61
4.2	3.85	.87	.89	.90	.92	.94	.96	.98	.00	10.2	22.70	.74	.79	.83	.88	.92	.97	.01	.06
4.3	4.04	.05	.07	.09	.11	.13	.15	.17	.21	10.3	23.14	.19	.23	.28	.32	.37	.42	.46	.51
4.4	4.22	.24	.26	.28	.30	.32	.34	.36	.40	10.4	23.60	.64	.69	.73	.78	.82	.87	.92	.96
4.5	4.42	.44	.46	.48	.50	.52	.54	.56	.60	10.5	24.05	.10	.14	.19	.24	.28	.33	.37	.42
4.6	4.62	.64	.66	.68	.70	.72	.74	.76	.80	10.6	24.51	.56	.61	.65	.70	.74	.79	.84	.88
4.7	4.82	.84	.86	.88	.90	.92	.94	.97	.01	10.7	24.98	.02	.07	.12	.16	.21	.26	.31	.35
4.8	5.03	.05	.07	.09	.11	.13	.15	.17	.20	10.8	25.45	.49	.54	.59	.64	.68	.73	.78	.83
4.9	5.24	.26	.28	.30	.33	.35	.37	.39	.41	10.9	25.92	.97	.02	.06	.11	.16	.21	.25	.30
5.0	5.46	.48	.50	.52	.54	.56	.59	.61	.63	11.0	26.40	.45	.49	.54	.59	.64	.69	.74	.78
5.1	5.68	.70	.72	.74	.77	.79	.81	.83	.86	11.1	26.88	.93	.98	.03	.07	.12	.17	.22	.27
5.2	5.90	.92	.95	.97	.99	.01	.04	.06	.08	11.2	27.37	.42	.46	.51	.56	.61	.66	.71	.76
5.3	6.13	.15	.18	.20	.22	.25	.27	.29	.32	11.3	27.86	.91	.96	.01	.06	.10	.15	.20	.25
5.4	6.36	.39	.41	.43	.46	.48	.51	.53	.57	11.4	28.35	.40	.45	.50	.55	.60	.65	.70	.75
5.5	6.60	.62	.65	.67	.70	.72	.75	.77	.82	11.5	28.85	.90	.95	.00	.05	.10	.15	.20	.26
5.6	6.84	.87	.89	.92	.94	.97	.99	.02	.04	11.6	29.36	.41	.46	.51	.56	.61	.66	.71	.76
5.7	7.09	.11	.14	.16	.18	.21	.24	.26	.29	11.7	29.86	.92	.97	.02	.07	.12	.17	.22	.27
5.8	7.34	.37	.39	.42	.44	.47	.49	.52	.54	11.8	30.38	.43	.48	.53	.58	.64	.69	.74	.79
5.9	7.60	.62	.65	.67	.70	.72	.75	.78	.80	11.9	30.89	.95	.00	.05	.10	.15	.21	.26	.31
6.0	7.86	.88	.91	.93	.96	.99	.01	.04	.07	12.0	31.42	.47	.52	.57	.63	.68	.73	.78	.84
6.1	8.12	.15	.17	.20	.23	.25	.28	.31	.34	12.1	31.94	.99	.05	.10	.15	.21	.26	.31	.36
6.2	8.39	.41	.44	.47	.50	.52	.55	.58	.61	12.2	32.47	.52	.58	.63	.68	.74	.79	.85	.90
6.3	8.66	.69	.72	.74	.77	.80	.83	.85	.88	12.3	33.01	.06	.11	.17	.22	.27	.33	.38	.44
6.4	8.94	.97	.99	.02	.05	.08	.11	.13	.16	12.4	33.54	.60	.65	.71	.76	.82	.87	.92	.97
6.5	9.22	.25	.28	.30	.33	.36	.39	.42	.44	12.5	34.09	.14	.20	.25	.31	.36	.42	.47	.53
6.6	9.50	.53	.56	.59	.62	.65	.68	.70	.73	12.6	34.64	.69	.75	.80	.86	.91	.97	.02	.08
6.7	9.79	.82	.85	.88	.90	.93	.97	.00	.03	12.7	35.19	.24	.30	.35	.41	.46	.52	.58	.63
6.8	10.09	.12	.15	.18	.21	.24	.27	.30	.33	12.8	35.74	.80	.86	.91	.97	.02	.08	.14	.19
6.9	10.39	.42	.45	.48	.51	.54	.57	.60	.63	12.9	36.30	.36	.42	.47	.53	.59	.64	.76	.81



TABLE V.

*Values of tan (D + y) from 63° 51' to 73° 10'.*

	63°	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°
0		2'050	2'145	2'246	2'356	2'475	2'605	2'747	2'904	3'078	3'271
1		'052	'146	'248	'358	'477	'607	'750	'907	'081	'274
2		'053	'148	'250	'360	'479	'610	'752	'910	'084	'278
3		'055	'149	'251	'362	'481	'612	'755	'912	'087	'281
4		'056	'151	'253	'363	'483	'614	'757	'915	'090	'285
5		'058	'153	'255	'365	'485	'616	'760	'918	'093	'288
6		'059	'154	'257	'367	'488	'619	'762	'921	'096	'291
7		'061	'156	'258	'369	'490	'621	'765	'924	'099	'295
8		'062	'158	'260	'371	'492	'623	'767	'926	'102	'298
9		'064	'159	'262	'373	'494	'626	'770	'929	'105	'302
10		'066	'161	'264	'375	'496	'628	'773	'932	'108	3'305
11		'067	'163	'266	'377	'498	'630	'775	'935	'112	
12		'069	'164	'267	'379	'500	'633	'778	'937	'115	
13		'070	'166	'269	'381	'502	'635	'780	'940	'118	
14		'072	'168	'271	'383	'504	'637	'783	'943	'121	
15		'073	'169	'273	'385	'507	'639	'785	'946	'124	
16		'075	'171	'274	'387	'509	'642	'788	'949	'127	
17		'076	'172	'276	'389	'511	'644	'790	'952	'130	
18		'078	'174	'278	'391	'513	'646	'793	'954	'133	
19		'079	'176	'280	'393	'515	'649	'795	'957	'137	
20		'081	'177	'282	'394	'517	'651	'798	'960	'140	
21		'082	'179	'283	'396	'519	'653	'801	'963	'143	
22		'084	'181	'285	'398	'521	'656	'803	'966	'146	
23		'086	'183	'287	'400	'524	'658	'806	'969	'149	
24		'087	'184	'289	'402	'526	'660	'808	'971	'152	
25		'089	'186	'291	'404	'528	'663	'811	'974	'156	
26		'090	'188	'293	'406	'530	'665	'814	'977	'159	
27		'092	'189	'294	'408	'532	'668	'816	'980	'162	
28		'093	'191	'296	'410	'534	'670	'819	'983	'165	
29		'095	'193	'298	'412	'536	'672	'821	'986	'168	
30		'097	'194	'300	'414	'539	'675	'824	'989	'172	
31		'098	'196	'302	'416	'541	'677	'827	'992	'175	
32		'100	'198	'304	'418	'543	'679	'829	'994	'178	
33		'101	'199	'305	'420	'545	'682	'832	2'997	'181	
34		'103	'201	'307	'422	'547	'684	'834	3'000	'185	
35		'104	'203	'309	'424	'550	'687	'837	'003	'188	
36		'106	'204	'311	'426	'552	'689	'840	'006	'191	
37		'108	'206	'313	'428	'554	'691	'842	'009	'194	
38		'109	'208	'315	'430	'556	'694	'845	'012	'198	
39		'111	'210	'316	'432	'558	'696	'848	'015	'201	
40		'112	'211	'318	'434	'560	'699	'850	'018	'204	
41		'114	'213	'320	'436	'563	'701	'853	'021	'207	
42		'116	'215	'322	'438	'565	'703	'856	'024	'211	
43		'117	'216	'324	'440	'567	'706	'858	'027	'214	
44		'119	'218	'326	'442	'569	'708	'861	'030	'217	
45		'120	'220	'328	'444	'571	'711	'864	'033	'221	
46		'122	'222	'329	'446	'574	'713	'866	'036	'224	
47		'124	'223	'331	'448	'576	'715	'869	'039	'227	
48		'125	'225	'333	'450	'578	'718	'872	'042	'230	
49		'127	'227	'335	'452	'580	'720	'874	'045	'234	
50		'128	'229	'337	'455	'583	'723	'877	'047	'237	
51	2'037	'130	'230	'339	'457	'585	'725	'880	'050	'240	
52	'038	'132	'232	'341	'459	'587	'728	'882	'053	'244	
53	'040	'133	'234	'343	'461	'589	'730	'885	'056	'247	
54	'041	'135	'236	'344	'463	'592	'733	'888	'060	'251	
55	'043	'136	'237	'346	'465	'594	'735	'891	'063	'254	
56	'044	'138	'239	'348	'467	'596	'738	'893	'066	'257	
57	'046	'140	'241	'350	'469	'598	'740	'896	'069	'261	
58	'047	'141	'243	'352	'471	'601	'743	'899	'072	'264	
59	'049	'143	'244	'354	'473	'603	'745	'901	'075	'267	
60	2'050	2'145	2'246	2'356	2'475	2'605	2'747	2'904	3'078	3'271	

TABLE VI.

Values of  $\tan^{-1} \eta - \eta$  or  $-\frac{\eta^3}{3}$ .

*In this table the argument  $\eta$  agrees with the numeration of the réseau, but in  $\tan^{-1} \eta - \eta$ ,  $\eta$  is measured from the centre.*

$\eta$ .	$\tan^{-1} \eta - \eta$ .	$\eta$ .	$\tan^{-1} \eta - \eta$ .	$\eta$ .	$\tan^{-1} \eta - \eta$ .	$\eta$ .	$\tan^{-1} \eta - \eta$ .
	"		"		"		"
1°0	+ 0°47	8°0	+ 0°06	14°0	- 0°00	21°0	- 0°08
2°0	'37	9°0	'04	15°0	'00	22°0	'12
3°0	'29	10°0	'02	16°0	'01	23°0	'15
4°0	'22	11°0	'01	17°0	'01	24°0	'22
5°0	'15	12°0	'01	18°0	'02	25°0	'29
6°0	'12	13°0	'00	19°0	'04	26°0	'37
7°0	+ '08	14°0	+ '00	20°0	- '06	27°0	- '47

TABLE VII.

Values of  $\frac{1}{8} (\xi - 14)^4 \tan D (3 + \tan^2 D)$ .

*In this table the argument in the vertical columns is the declination of the centre of the plate, the argument in the horizontal row is  $\xi - 14$ . The sign of the correction is always positive.*

Dec. of Centre.	$\xi - 14$ .							
	6.	7.	8.	9.	10.	11.	12.	13.
°	"	"	"	"	"	"	"	"
65	'00	'00	'01	'01	'02	'03	'04	'05
66	'00	'00	'01	'01	'02	'03	'04	'06
67	'00	'01	'01	'02	'02	'03	'05	'07
68	'00	'01	'01	'02	'03	'04	'05	'07
69	'00	'01	'01	'02	'03	'04	'06	'09
70	'00	'01	'01	'02	'03	'05	'07	'10
71	'01	'01	'02	'03	'04	'06	'08	'11
72	'01	'01	'02	'03	'04	'06	'09	'13

The following example illustrates the use of the above Tables:—

Find the Right Ascension and Declination of the star  $71^\circ 10832$  whose measured co-ordinates on Plates 1579 and 3660 (page 731) are  $x = 20.0968$   $y = 20.6688$  and  $x = 8.7464$   $y = 8.6920$  respectively.

Constants.		PLATE 1579.			PLATE 3660.		
		Centre R.A. $23^h 48^m$ .	Dec. + $71^\circ$ (D)		Centre R.A. $0^h 0^m$ .	Dec. + $72^\circ$ (D)	
		$a = - '00070$ $d = - '00115$	$b = + '00115$ $e = - '00066$	$c = + '0162$ $f = + '0716$	$a = - '00068$ $d = - '00080$	$b = + '00080$ $e = - '00064$	$c = - '0150$ $f = + '0028$
$x$	$y$	20.0968	20.6688		8.7464	8.6920	
$ax$	$dx$	- 141	- 231		- 59	- 70	
$by$	$ey$	+ 238	- 136		+ 70	- 56	
$c$	$f$	+ '0162	+ '0716		- 0150	+ 0028	
Sum = $\xi$	Sum = $y$ Q (Table I.)	20.1227	20.7037 250.742		8.7325 14	8.6822 237.400	
$\xi - 14$	Q - $\eta$	6.1227	230.038		-5.2675	228.718	
$\log \xi - 14$	$\frac{1}{2} (\xi - 14)$ Table IV.	0.786943	8".18	$70^\circ 33' 31''.11$	0.721605	6".06	$71^\circ 33' 24''.66$
$\log P$ (Table I.)	tan D + $\eta$ Table V.	4.162664	2.997	- 24.52 - .07 + .01	4.160128	2.997	- 18.16 + .04 + .00
Sum	Product Table VI.	4.949607			4.881733		
$\log (Q - \eta)$	Table VII.	2.361799			2.359300		
Difference	Declination of Star.	2.587808		$71^\circ 33' 6''.53$	2.522433		$71^\circ 33' 6''.54$
Corres. No.		387 <sup>s</sup> .09			332 <sup>s</sup> .99		
Table II.		+ 6 <sup>m</sup> .27 <sup>s</sup> .09			- 5 <sup>m</sup> .32 <sup>s</sup> .99		
		- '10			+ .06		
Right Ascension of Star.		23 <sup>h</sup> .54 <sup>m</sup> .26 <sup>s</sup> .99			23 <sup>h</sup> .54 <sup>m</sup> .27 <sup>s</sup> .07		

It is proposed to publish the Greenwich Section of the *Astrographic Catalogue* in three volumes of which this is the first. Vols. I. and II. will contain the measures of rectangular co-ordinates and diameters of images from Dec.  $+64^{\circ}$  to the pole. Vol. I. includes from Dec.  $+64^{\circ}$  to  $+72^{\circ}$ , and Vol. II. will be a continuation in the same form from Dec.  $+72^{\circ}$  to the pole. Vol. III. will contain a catalogue formed from the measures of (i) stars used as reference stars, (ii) other stars contained in the Catalogues of the *Astronomische Gesellschaft* (1875·0), and (iii) stars contained in Carrington's *Circumpolar Catalogue* (1855·0). Vol. III. will also contain statistics of the distribution of stars in this part of the sky determined by counts of the number of stars shown on the chart plates (40<sup>m</sup> exposure) compared with counts of the number shown with exposures of 6<sup>m</sup>, 3<sup>m</sup> and 20<sup>s</sup> respectively. General discussion of the results will also be reserved for the third volume.

W. H. M. CHRISTIE.

ROYAL OBSERVATORY, GREENWICH,  
1903 December 21.





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GREENWICH ASTROGRAPHIC CATALOGUE, 1900.

DEC. + 64° TO + 72°.

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MEASURES OF  
RECTANGULAR CO-ORDINATES AND DIAMETERS

OF STAR IMAGES ON PHOTOGRAPHS

TAKEN AT THE ROYAL OBSERVATORY, GREENWICH.

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EDINBURGH:

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,  
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## NOTE.

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The rectangular co-ordinates of the stars are measured with reference to *réseau* lines on each plate, which are numbered from 1 to 27 in direction of increasing R.A. and Dec. respectively, and are 5<sup>mm</sup> apart, representing 5' very nearly. The centre of each plate is at the intersection of the lines numbered 14. The co-ordinates are expressed in units of 1 *réseau* interval, and are given to 4 decimals, the unit in the last place representing 0".03.

Portions of two plates covering the same part of the sky are measured together, and the corresponding co-ordinates of the same star are printed in parallel columns. The limits of measurement are fixed so as to ensure that every part of the sky is measured on two photographs and two only, as explained in the Introduction.

This does not apply to Zone + 64°, which contains the measures of the southern halves of the photographs whose centres are at 65° N. Dec., the southern limit of the portion of the sky allotted to the Royal Observatory. The stars are arranged in the order of the *x* co-ordinate for each *réseau* interval or zone of 5'.

Each reference number corresponds to a separate star. In a few instances, especially in Zone + 64°, the same star occurs twice, in which case the number given to the star is repeated, and attention drawn to it in the notes.

For the better determination of plate constants, reference stars are measured although their co-ordinates are outside the assigned limits. These measures are given at the end of the plates, a line being drawn to separate them from the other measures, and the reference numbers being omitted, as the stars can readily be identified by the No. in the *Bonn Durchmusterung*, given in the last column.

The co-ordinates printed are usually the means of four measures, the 6<sup>m</sup> and 3<sup>m</sup> images being each measured in reversed positions of the plate. The sign \* denotes that the co-ordinates depend on two measures only, the 3<sup>m</sup> image being invisible or too faint for measurement. The sign † denotes that three measures were made, one of the measurers considering the 3<sup>m</sup> image too faint for accurate measurement. The sign § denotes that an image of the star was shown on the plate with the subsidiary 20<sup>s</sup> exposure. The co-ordinates are corrected for personality of the measurers, as determined from a discussion of all the measures made in Zones + 64° to + 67°.

The diameters printed are those of the 6<sup>m</sup> images, the sum of the measures of two measurers being given. As the units in which the measures are made are thousandths of a *réseau* interval, the unit employed in the sum of the measures as printed is 0.0005 int., representing 0".15; thus 26 represents 3".9.

A reference is given to the stars contained in the *Bonn Durchmusterung*, and the magnitudes of the stars given in that work are printed for comparison with the measured diameters.

The Plate number shows the order in the series of plates taken with the Astrographic Equatorial. The date of exposure (astronomical reckoning) is given adjoining the plate number.



## ZONE + 64°.

R.A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 9 <sup>m</sup>						R.A. 0 <sup>h</sup> 9 <sup>m</sup> to 0 <sup>h</sup> 18 <sup>m</sup>						R.A. 0 <sup>h</sup> 18 <sup>m</sup> to 0 <sup>h</sup> 27 <sup>m</sup>					
Centre R.A. 0 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°						Plate 2376—contd.						Plate 2287—contd.					
Plate 2376. 1894, Nov. 21.						Plate 2287. 1894, Oct. 15.						Plate 2287. 1894, Oct. 15.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1	26	8.3984	2.8170	63°	4	9.3	52	578	25.2699	11.7976	64°	36	7.5	103	13	2.5823	9.5872
2	428	8.7954	2.9979	63	5	8.0	53	12	18.5241	13.7497	64	19	9.5	104	10	3.6685	9.5970
3	12	4.5738	3.5774				54	10	18.5683	13.6737				105	18	5.3638	9.2902
4	12	8.6568	3.5456				55	14	20.3059	13.9517				106	8	5.7847	9.3387
5	488	2.1029	4.7267	63 2103	7.7		56	24	21.7347	13.4721	64	31	9.5	107	22	6.0353	9.7183
6	13	3.4230	4.3809	63 2106	9.3		57	328	22.3098	13.4524	64	33	9.3	108	10	6.0755	9.8049
7	428	4.7646	4.1081	63 2108	8.0									109	10	6.2437	9.8073
8	26	10.2252	4.3603	63	7	9.4		50	26.1165	12.5682	64	38	8.5	110	10	8.2844	9.3245
9	26	8.7392	5.0658					19	26.7422	5.9385	64	39	9.4	111	10	2.8742	10.0139
10	428	13.3664	5.6173	64	15	7.5	R.A. 0 <sup>h</sup> 18 <sup>m</sup> to 0 <sup>h</sup> 27 <sup>m</sup>						112	14	5.3950	10.5006	
11	10	8.2824	6.5307				Centre R.A. 0 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°						113	388	5.9161	10.4723	
12	28	9.7743	6.7949	64	7	9.2	Plate 2287. 1894, Oct. 15.						114	10	8.0380	10.7597	
13	328	7.7894	7.2744	64	4	9.1	58	15	6.0286	2.7781	°			115	18	9.5325	10.7671
14	14	9.7614	7.4302	64	6	9.4	59	22	10.2111	2.3306				116	10	9.7932	10.4997
15	18	11.2971	7.1483	64	10	9.5	60	30	13.4980	2.3505				117	12	10.5209	10.8800
16	468	7.6392	8.0881	64	3	7.0	61	7	13.6029	2.5034				118	8	10.7357	10.6903
17	12	2.9442	9.6975	64 1896	9.5		62	488	13.9889	2.5200	63	60	9.4	119	6	10.9319	10.4009
18	8	6.1680	9.1421				63	14	2.2504	3.9927				120	588	11.1094	10.5939
19	16	8.9308	9.4630				64	438	4.2672	3.0735	63	40	8.3	52	578	2.1322	11.7051
20	8	4.4120	10.6666				65	338	4.3547	3.4351	63	41	9.5	121	14	3.2965	11.1013
21	16	4.5421	10.7411	64 1898	9.3		66	8	6.5257	3.7401				122	20	3.8508	11.3608
22	16	11.3670	10.5049				67	8	8.4657	3.4732				123	10	4.6309	11.6335
23	24	12.1455	10.6598	64	12	9.4	68	448	8.8462	3.9989	63	51	9.4	124	768	5.3583	11.9992
24	23	3.3001	11.8719	64 1897	9.3		69	20	11.5566	3.1905				125	308	6.5272	11.6908
25	408	4.7672	11.2452	64 1900	8.0		70	28	12.1245	3.2681				126	10	9.2858	11.6502
26	10	8.5622	11.7596				71	308	12.5888	3.7770				127	228	13.2487	11.8865
27	328	11.7764	11.9423	64	11	9.3	72	388	12.6533	3.4816	63	58	9.4	128	268	13.8363	11.3308
28	468	2.3532	12.4436	64 1894	7.2		73	18	3.7901	4.5329				129	488	3.0401	12.4083
29	328	6.2667	12.1163	64	1	8.9	74	22	4.7784	4.2695	63	43	9.5	130	14	6.1076	12.7202
30	18	10.3217	12.8325	64	8	9.3	75	18	8.9409	4.8705				131	468	9.4645	12.8116
31	20	4.8976	13.7615	64 1899	9.5		76	868	10.8303	4.3118	63	53	7.0	132	388	10.1549	12.1192
32	18	8.4603	13.8412				77	10	10.9098	4.6593				133	10	12.0729	12.2604
33	10	12.0230	13.7859				78	568	10.9300	4.8063	63	54	8.1	134	12	2.5773	13.9007
	38	1.0041	9.1782	64 1891	8.9		79	7	11.8063	4.6416				135	288	3.1357	13.6502
	34	1.3666	9.2098	64 1893	6.9		80	358	3.1555	5.7500	64	39	9.4	136	20	4.0376	13.3900
R.A. 0 <sup>h</sup> 9 <sup>m</sup> to 0 <sup>h</sup> 18 <sup>m</sup>							81	19	3.7208	5.6911				137	16	6.1740	13.5206
Centre R.A. 0 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°							82	388	9.8235	5.9909	64	50	9.2	138	10	7.4723	13.3714
Plate 2376. 1894, Nov. 21.							83	298	2.5840	6.0479	64	37	9.5	139	10	9.1945	13.3923
34	488	14.6325	2.0472	63°	15	8.0	84	16	3.3587	6.3005				140	6	10.6301	13.5208
35	20	17.1258	2.0234	63	21	9.4	85	16	4.6357	6.1408				141	248	10.8361	13.4447
36	13	19.9135	2.6640	63	25	9.5	86	10	10.3417	6.4467	64	41	9.4	142	14	11.5249	13.2211
37	18	23.8066	2.6315	63	33	9.1	87	308	3.7927	7.9239				143	14	12.7153	13.1332
38	12†	24.1451	2.1917	63	34	9.5	88	20	6.3645	7.2403				R.A. 0 <sup>h</sup> 27 <sup>m</sup> to 0 <sup>h</sup> 36 <sup>m</sup>			
39	13	24.4489	2.7847	63	37	9.5	89	288	10.7250	7.7395				Centre R.A. 0 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			
40	18	14.9441	4.5528	63	16	9.5	90	10	11.5817	7.2455				Plate 2287. 1894, Oct. 15.			
41	9	22.7767	4.0167				91	10†	11.6615	7.0575				144	7	16.6656	2.7838
42	21	21.8413	5.8530	64	30	9.2	92	18	12.3479	7.1282				145	12	18.7008	2.7489
43	18	16.4190	6.9981	64	17	9.4	93	22	12.3800	7.0842				146	18	18.7043	2.6203
44	12	22.1265	7.4709	64	32	9.4	94	10	13.3728	7.2819				147	13	19.7561	2.3579
45	18	21.3844	8.7665	64	29	9.5	95	22	13.5342	7.6399				148	17	20.0930	2.4954
46	278	22.5139	8.4849	64	34	9.1	96	14	6.8226	8.0687				149	11	20.5437	2.8488
47	10	20.3686	9.2667	64	28	9.2	97	14	7.6660	8.8004				150	39	25.7808	2.6731
48	14	20.0145	10.0279				98	14	9.2357	8.5676				151	9	15.9141	3.3616
49	328	20.0330	10.0174	64	26	8.8	99	6†	10.9141	8.5650				152	448	18.0783	3.7102
50	8	18.1549	11.0440				1008	268	11.9465	8.5718				153	26	20.9364	3.3006
51	308	19.1830	11.3082	64	23	9.3	101	10	13.8970	8.5829				154	42	24.2879	3.1426
							102	12	25.7857	9.3178				155	41	25.7857	3.9875

Nos. 5 and 28 are measured on Plates 1656 and 2376.  
No. 52 is measured on Plates 2376 and 2287.

Plate 2376. B.D. 64°, 14 (9<sup>m</sup>.5) not shown. Clearly shown on Chart Plate 1895, Nov. 14, of about 9<sup>m</sup>.5.  
Plate 2376. B.D. 64°, 27 (9<sup>m</sup>.5) not shown. Chart plate shows three faint stars; probably seen as one in B.D.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 0 <sup>h</sup> 27 <sup>m</sup> to 0 <sup>h</sup> 36 <sup>m</sup>						R.A. 0 <sup>h</sup> 27 <sup>m</sup> to 0 <sup>h</sup> 36 <sup>m</sup>						R.A. 0 <sup>h</sup> 45 <sup>m</sup> to 0 <sup>h</sup> 54 <sup>m</sup>					
Plate 2287—contd.						Plate 2287—contd.						Centre R.A. 0 <sup>h</sup> 45 <sup>m</sup> Dec. + 66° Plate 1631. 1893, Dec. 1.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
156	12	14°9328	4°7260			216	6	15°7251	12°9792			264	7†	15°5119	2°1567		
157	6	19°1007	4°8001			217	4	16°3609	12°9129			265	8	15°7975	2°1181		
158	15	19°1269	4°7285			218	10	16°4144	12°2403			266	82§	19°3518	2°1575	63	112 7·
159	12	20°0854	4°9994			219	8	16°6750	12°5211			267	82§	21°5151	2°0542	63	117 7·0
160	9	21°9342	4°4269			220	10	17°6652	12°6897			268	8	22°3226†	2°3223†		
161	36	25°7193	4°0565			221	12	19°2743	12°8922			269	10	14°8932	3°9494		
162	38§	15°1473	5°8175	64	55	222	11	21°8735	12°1688			270	32	15°5164	3°7289	63	102 9·5
163	7	17°2845	5°4863			223	6	21°8949	12°4195			271	16	17°3326	4°7045	63	108 9·5
164	11	17°4424	5°2243			224	10	22°8827	12°2141			272	46§	21°0431	4°9788	63	116 8·7
165	16	18°2463	5°1939			225	15	24°0501	12°0619			273	26	15°7036	5°0532	64	87 9·3
166	10	19°0262	5°1593			226	42§	15°4362	13°7187	64	56	274	39	25°0059	5°1873	63	122 9·2
167	8	19°5954	5°4370			227	18	16°9382	13°0983			275	26	15°2279	6°0886	64	86 9·5
168	6	20°2590†	5°9899†			228	6	17°6642	13°6287			276	38§	17°3102	6°0029	64	89 9·4
169	16	20°4859	5°8002			229	8	19°0478	13°2365			277	20	20°2210	6°1343	64	97 9·5
170	36§	22°1745	5°7857	64	65	230	6	19°8038	13°7497			278	16	22°2584	6°0198	64	106 9·5
171	20	22°6153	5°4157			231	46§	22°1144	13°5509	64	66	279	9	17°3749	7°2685		
172	20	23°7864	5°9894			R.A. 0 <sup>h</sup> 36 <sup>m</sup> to 0 <sup>h</sup> 45 <sup>m</sup>						280	26	17°8442	7°2916	64	90 9·5
173	33	24°8659	5°2820	64	69	Centre R.A. 0 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°						281	36	18°8845	7°2484	64	92 9·4
174	10	14°0254	6°3215			Plate 1631. 1893, Dec. 1.						282	15	19°3665	8°0550	64	95 9·5
175	10	14°3332	6°7357			150	10†	2°1070	2°6432	63	76	283	17	22°0357	8°6883	64	105 9·3
176	10	15°2442	6°2478			232	37	6°8185	3°2610	63	90	284	28	14°8960	9°6901		
177	5	18°6628	6°8130	64	60	233	32	9°6434	3°9868	63	93	285	34	18°3346	9°1106	64	91 9·5
178	16	21°0423	6°0016			234	42§	10°6028	3°9693	63	94	286	18	19°2204	9°0705	64	94 9·5
179	14	21°7950	6°6469			235	42§	10°9015	3°7294	63	95	287	16	20°1854	9°5294	64	98 9·5
180	17	21°9738	6°7140			236	48§	12°4244	3°1470	63	97	288	10	20°3875	9°0979	64	99 9·5
181	18	22°1525	6°3168			237	11	2°7553	4°0503	63	79	289	28	20°7424	9°6750	64	102 9·5
182	8	22°3457	6°9551	64	67	238	21	4°2041	4°6680	63	83	290	68§	25°8562	9°2406	64	109 8·4
183	16	23°8532	6°4791			239	24	6°3146	4°1680	63	88	291	14	14°9468	10°4098		
184	10	24°5147	6°3891			240	5†	7°3141	4°7197			292	32	19°2035	10°5501	64	93 9·5
185	12	14°3428	7°1825			241	6	7°3346	4°3839	63	91	293	18	18°0215	11°7457		
186	12	17°9650	7°6688			242	7	12°8767	4°8960	63	98	294	26	21°5082	11°1591	64	104 9·5
187	30	18°0142	7°7120	64	57	243	10	6°5271	5°9641			295	12	14°2659	12°5751		
188	20	18°9154	7°1526	64	62	244	36	5°1604	7°7272	64	74	296	58§	22°3956	12°4397	64	107 8·4
189	38§	20°3863	7°3189	64	63	245	14	6°9011	7°5278			297	13	25°2401	12°9617	64	108 9·5
190	23	21°2413	7°5879			246	9	10°7206	7°5717			298	40§	16°9433	13°0178	64	88 9·3
191	9	17°0958	8°4873			247	44§	6°8916	8°6301	64	77	299	24	17°8386	13°2109		
192	36§	18°4561	8°3193	64	58	248	38	8°5532	8°3981	64	81	300	14	20°3721	13°0293		
193	16	19°9062	8°8971			249	66§	10°2425	8°9292	64	82	301	38	21°1638	13°0210	64	103 9·5
194	9	21°4944	8°3083			250	52§	12°1579	8°4907	64	84	R.A. 0 <sup>h</sup> 54 <sup>m</sup> to 1 <sup>h</sup> 3 <sup>m</sup>					
195	11	25°4267	8°8073			251	28	3°5901	9°6258	64	72	Centre R.A. 1 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					
196	40§	14°2253	9°9494	64	54	252	6	6°2761	9°7320			Plate 1632. 1893, Dec. 1.					
197	34§	18°8234	9°2578	64	61	253	16	9°1353	9°4662			302	19	3°2849	2°7731	63	123 9·5
198	20	20°6999	9°8838			254	6	10°3428	9°5669			303	35	7°6900	2°0081	63	133 9·5
199	6	21°4556	9°2464			255	5	13°3760	9°0688			304	19	3°9328	3°2276	63	125 9·5
200	18	22°1246	9°2184			256	10	2°7927	10°5969			305	16	8°9785	3°6971		
201	17	24°0643	9°6810			257	42	6°0578	10°7080	64	76	306	14	11°0759	3°8968		
202	48§	24°4739	9°0074	64	68	258	32	7°9146	10°0185	64	79	307	21	3°8094	4°2013		
203	6	17°4155	10°1062			259	50§	5°6564	11°2601	64	75	308	22	10°0325	4°4278	63	135 9·5
204	18	19°8545	10°1875			260	20	7°8860	11°3113			309	25	4°8958	5°9876		
205	36	21°2957	10°4730	64	64	261	18	8°6829	11°5785			310	66§	5°7879	5°6054	64	116 8·0
206	17	22°6853	10°5578			262	26	8°9644	12°8938			311	36	7°9396	5°9298	64	118 9·5
207	17	25°6259	10°5080			263	7	10°0261	12°6088			312	13	12°8985	6°2053		
208	22	25°9182	10°6537									313	15	3°7601	7°0610		
209	6	14°9270	11°3702									314	40	6°6890	7°7594	64	117 9·4
210	6	15°2656	11°0067									315	8	13°4343	7°4929		
211	9	18°0292	11°6806									316	52§	5°5768	8°7116	64	115 8·8
212	10	18°4489	11°8196									317	32	8°0516	8°2395	64	119 9·5
213	8	20°8153	11°2909														
214	10	23°9359	11°6885														
215	28§	14°3912	12°5460														

No. 208 measured on Plates 2287 and 1631.

Nos. 290 and 297 are measured on Plates 1631 and 1632.

Plate 1631. B.D. 64°, 96 (9m·5) not shown on this plate. Shown on the corresponding Chart

Plate taken 1895, Nov. 17, but considerably fainter than No. 288.

1 réseau interval represents very nearly  $5' = 45^s \cdot 6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^s \cdot 3$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 0 <sup>h</sup> 54 <sup>m</sup> to 1 <sup>h</sup> 3 <sup>m</sup> Plate 1632—contd.						R.A. 1 <sup>h</sup> 3 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> Plate 1632—contd.						R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 21 <sup>m</sup> Plate 2334—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.
318	18	12°55'74	8°04'23		m.	370	6	24°08'76	11°21'85		m.	422	10	3°29'14	7°9'20		m.
290	768	2°77'05	9°00'25	64	109	8.4	371	10	18°9'29	12°01'34		423	20	5°35'95	7°31'62		
319	10	12°67'42	9°7'01			372	22	20°37'36	12°07'93		424	32	12°09'85	7°38'78	64	163	
320	18	13°59'01	9°56'87			373	11	23°7'39	12°7'12		425	18	12°20'31	7°66'05		9.5	
321	28	4°53'90	10°02'06	64	114	9.5	374	21	25°62'73	12°22'51	64	145	426	8	12°26'02	7°47'80	
322	8	11°89'89	10°99'06			375	24	14°41'33	13°06'53		427	508	5°08'33	8°64'59	64	150	
323	18	13°16'45	10°14'65	64	123	9.5	376	12	17°71'42	13°32'36		428	12	5°38'40	8°56'66		8.0
324	408	4°18'31	11°68'09	64	111	9.5	377	28	22°34'41	13°25'91	64	137	429	8	6°12'55	8°57'67	
325	30	8°01'36	11°06'00			378	21	23°05'36	13°27'63		430	14	11°37'71	8°45'88			
326	30	8°63'51	11°05'50	64	120	9.5		50	26°85'16	4°55'70	63	170	431	8	11°81'45	8°37'31	
297	23	2°43'40	12°75'65	64	108	9.5	R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 21 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2334. 1894, Nov. 6.						432	12	13°07'39	8°18'79	
327	38	4°10'21	12°67'19	64	110	9.5							433	12	3°93'05	9°74'59	
328	16	4°16'07	12°39'45										434	20	5°53'61	9°36'61	
329	26	6°50'05	12°17'79										435	7	6°16'73	9°14'15	
330	14	12°61'76	12°54'93										436	10	7°76'04	9°78'78	
331	20	11°74'15	13°82'43										437	10	8°07'06	9°18'50	
332	20	12°34'32	13°24'42										438	8	9°49'56	9°40'65	
						379	8†	4°22'47	2°15'63		m.	439	8	9°95'45	9°98'07		
						380	15	6°55'56	2°24'98			440	328	10°54'77	9°57'11		
						381	8†	6°77'28	2°96'49			441	38	11°29'14	9°06'55	64	161
						382	23	7°10'51	2°69'37			442	16	12°55'10	9°43'24		8.8
						383	34	7°64'92	2°57'61	63	178	443	28	13°48'65	9°06'64		
						384	9	9°72'80	2°62'69			444	8	13°32'16	10°30'51		
						385	30	9°94'15	2°79'98			445	12	13°34'12	10°36'52		
						386	23	13°09'87	2°17'54			446	12	5°99'15	11°62'16		
						387	30	4°79'82	3°28'28	63	174	447	408	6°76'80	11°75'18	64	154
						388	428	5°30'83	3°70'99	63	175	448	14	7°87'46	11°77'06		8.8
						389	1148	5°33'72	3°53'55	63	176	449	34	9°84'50	11°31'47	64	158
						390	20	5°78'03	3°83'49			450	12	12°30'33	11°65'27		9.4
						391	30	11°46'46	3°10'48			451	8	4°51'84	12°36'39	64	145
						392	10	12°27'51	3°24'55			452	10	6°00'57	12°78'73		9.4
						393	498	3°24'23	4°31'78	63	170	453	8	7°39'52	12°24'09		
						394	7	3°73'36	4°37'25			454	428	7°86'31	12°41'70	64	155
						395	38	4°36'30	4°78'12	64	149	455	6	9°00'35	12°71'00		9.3
						396	24	4°42'32	4°33'50			456	448	10°08'78	12°62'55	64	159
						397	34	5°80'69	4°95'20	64	152	457	30	11°75'01	12°10'67		9.2
						398	20	6°36'05	4°59'06			458	14	12°68'03	12°00'59		
						399	20	8°13'02	4°97'38			459	248	12°76'20	12°27'31		
						400	28	9°57'32	4°23'10			460	7	13°90'26	12°77'26		
						401	12	11°42'37	4°99'85			461	16	5°10'38	13°86'27		
						402	588	13°13'10	4°15'55	63	186	462	8	6°08'46	13°15'82		
						403	11	3°90'06	5°63'98			463	388	6°39'83	13°59'61		
						404	16	4°88'30	5°86'08			464	12	6°96'80	13°40'89		
						405	34	6°20'65	5°33'97	64	153	465	408	9°78'41	13°32'38	64	157
						406	14	8°05'52	5°52'11			466	16	10°97'06	13°19'03		9.5
						407	26	8°30'14	5°87'35			467	26	11°10'11	13°43'70	64	160
						408	24	8°42'65	5°34'77			468	26	11°76'93	13°27'39		9.5
						409	10	9°78'76	5°27'12			469	28	13°46'27	13°37'62		
						410	20	10°24'44	5°78'15			R.A. 1 <sup>h</sup> 21 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2334. 1894, Nov. 6.					
						411	8	10°69'38	5°11'05			470	24	14°24'16	2°74'44		m.
						412	24	12°02'52	5°69'59			471	26	15°30'54	2°86'46		
						413	14	13°98'75	5°24'07			472	45	21°51'34	2°84'61	63	200
						414	12	3°35'30	6°78'30			473	838	25°50'69	2°07'18	63	210
						415	368	5°67'57	6°30'21	64	151	474	14	17°83'56	3°83'57		8.4
						416	14	6°14'00	6°00'78			475	18	20°39'34	3°81'52		
						417	18	7°01'92	6°92'28								
						418	10	9°13'56	6°80'61								
						419	12	12°03'62	6°83'36	64	162						
						420	26	12°80'07	6°62'15	64	164						
						421	20	13°00'57	6°94'17								

No. 374 measured on Plates 1632 and 2334.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for y = 2 (Dec. + 64°), and = 47°.3 for y = 14 (Dec. + 65°).



## ZONE + 64°.

R.A. 1 <sup>h</sup> 21 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup>						R.A. 1 <sup>h</sup> 21 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup>						R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 39 <sup>m</sup>											
Plate 2334—contd.						Plate 2334—contd.						Plate 1633—contd.											
No.	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	B. D.							
				No.	Mag.					No.	Mag.					No.	Mag.						
476	31	20°47'65	3°45'58	63°	198	9.5	536	14	14°22'96	12°08'79		587	44	4°52'52	9°55'34	64°	205	9.0					
477	52 $\frac{1}{2}$	22°63'25	3°73'68	63°	203	9.0	537	28	16°25'27	12°72'20	64 167	9.5	588	48 $\frac{1}{2}$	5°85'66	9°82'66	64°	212	8.3				
478	28	25°05'91	3°39'24	63°	207	9.5	538	48 $\frac{1}{2}$	17°44'41	12°89'45	64 173	9.4	589	42	6°21'48	9°54'11	64°	213	9.2				
479	20	25°31'21	3°89'11	63°	208	9.5	539	8	19°12'55	12°19'93		590	7	6°21'71	9°36'97								
480	10	15°76'64	4°14'17				540	14	19°76'69	12°36'12		591	28	10°37'32	9°85'78								
481	40 $\frac{1}{2}$	18°45'17	4°43'92				541	10	20°74'85	12°01'74		592	12	11°09'15	9°06'16								
482	50 $\frac{1}{2}$	21°02'88	4°48'55	63°	199	8.5	542	10	20°97'48	12°21'63		593	28	11°12'54	9°49'96	64°	225	9.5					
483	8	21°15'50	4°48'46				543	30	23°62'85	12°97'07	64 190	9.5	594	12	11°45'42	9°02'90							
484	22	22°26'37	4°60'75	63°	202	9.5	544	23	24°50'09	12°98'04		595	36	11°72'50	9°73'52	64°	229	9.2					
485	9	23°10'63	4°39'46				545	25	25°32'09	12°84'20		596	22	13°57'14	9°53'97								
486	14	16°21'92	5°42'34				546	12	14°39'20	13°48'91		597	20	13°89'48	9°81'48	64°	232	9.5					
487	8	18°48'07	5°44'68				547	26	15°25'50	13°63'13		598	31	3°26'10	10°91'96	64°	201	9.4					
488	12	18°52'49	5°44'13				548	6	15°79'41	13°43'79		599	16	9°16'54	10°86'80								
489	12	19°74'26	5°65'32				549	10	18°88'88	13°60'75		600	17	9°74'37	10°96'85								
490	44 $\frac{1}{2}$	20°55'08	5°38'53	64°	181	9.2	550	12	19°04'88	13°26'04		601	38	11°40'05	10°76'47	64°	227	9.5					
491	6	21°21'55	5°04'63				551	24	19°50'66	13°78'80		602	24	12°49'79	10°84'25	64°	230	9.5					
492	15	23°70'48	5°84'38				552	34 $\frac{1}{2}$	19°95'87	13°55'67	64 186	9.4	603	24	5°77'11	11°76'10	64°	210	9.5				
493	16	15°50'00	6°61'60				553	36 $\frac{1}{2}$	20°95'13	13°14'29		604	12	7°63'87	11°26'97								
494	44 $\frac{1}{2}$	17°01'23	6°07'61	64°	172	9.0	554	30 $\frac{1}{2}$	21°06'55	13°32'82		605	10	10°70'43	11°55'13								
495	20	19°46'59	6°40'53				555	10	21°21'66	13°43'65		606	20	4°88'81	12°48'87	64°	206	9.5					
496	42 $\frac{1}{2}$	19°84'51	6°65'52	64°	178	9.3	556	12	22°20'13	13°21'19		607	38	5°05'37	12°84'74	64°	207	9.4					
497	12	20°35'75	6°31'58				557	52 $\frac{1}{2}$	24°44'55	13°47'06	64 194	9.1	608	40	5°78'15	12°18'92	64°	211	9.5				
498	32	21°18'44	6°88'07				558	11	25°14'41	13°92'59		609	22	8°64'23	12°68'08	64°	222	9.5					
499	31	24°42'87	6°62'26									610	12	10°47'49	12°15'83								
500	13	25°50'38	6°48'26	64°	198	9.5		115	26°76'55	4°91'99	64 202	6.8	611	30	11°31'35	12°60'64							
501	38 $\frac{1}{2}$	20°92'25	7°71'70	64°	184	9.4		63	26°17'25	6°57'63	64 200	8.8	612	8	12°28'80	12°42'24							
502	36 $\frac{1}{2}$	21°83'18	7°29'97	64°	187	9.0	R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 39 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 1633. 1893, Dec. 1.										613	40	6°67'37	13°18'82	64°	214	9.3
503	26	15°43'35	8°58'76				559	47	4°63'81	2°23'47	63°	212	8.2	614	32	8°59'44	13°26'96	64°	221	9.0			
504	8	18°60'25	8°48'16				560	22	9°69'85	2°50'54	63°	223	9.3										
505	28	19°65'41	8°54'72	64°	176	9.2	561	18	10°22'71	2°27'41				42		0°66'58	8°40'08	64°	191	9.1			
506	44 $\frac{1}{2}$	20°75'11	8°44'15	64°	183	9.2	562	58 $\frac{1}{2}$	13°11'95	2°70'23	63°	232	7.8	51		1°62'79	13°58'74	64°	194	9.1			
507	10	21°24'91	8°29'85				563	46	6°85'78	3°14'86	63°	216	8.7	63		1°76'46	11°36'50	64°	196	8.5			
508	26	21°85'87	8°30'53				564	44	9°53'42	3°30'81	63°	222	8.3	R.A. 1 <sup>h</sup> 39 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 1633. 1893, Dec. 1.									
509	46	23°86'09	8°22'85	64°	191	9.1	565	48	9°60'94	3°29'50				616	35	16°43'89	2°14'61	63°	242	9.5			
510	25	24°85'67	8°76'87	64°	195	9.4	566	99 $\frac{1}{2}$	3°32'60	4°89'22	64°	202	6.8	617	17	17°67'74	2°94'76	63°	244	9.5			
511	8	15°13'81	9°27'42				567	32	13°45'21	4°21'44	63°	233	9.4	618	50	21°11'06	2°73'40	63°	249	8.7			
512	80 $\frac{1}{2}$	16°40'16	9°72'81	64°	168	6.5	568	58 $\frac{1}{2}$	13°62'22	4°94'23	64°	231	8.5	619	44	23°13'32	2°86'99	63°	252	9.3			
513	28	17°26'07	9°69'53				569	12	4°35'78	5°64'63	64°	204	9.5	620	36	14°44'58	4°21'51	63°	237	9.5			
514	22	19°98'42	9°93'01				570	52	6°77'29	5°56'87	64°	215	8.7	621	38	16°55'60	4°98'64	64°	235	9.5			
515	24	20°76'26	9°50'60				571	38	7°83'96	5°82'86	64°	218	8.8	622	16	18°05'54	4°28'86	63°	245	9.5			
516	10	21°96'70	9°47'67				572	20	10°02'33	5°87'39	64°	224	9.2	623	13	21°87'02	4°86'19	63°	250	9.0			
517	28	22°66'91	9°47'34				573	12	10°26'89	5°73'71				624	23	21°96'84	4°67'32						
518	40 $\frac{1}{2}$	24°14'00	9°56'44	64°	192	9.4	574	46	2°85'27	6°58'87	64°	200	8.8	625	16	23°06'07	4°34'74						
519	19	24°61'28	9°42'23				575	38	5°36'69	6°37'80				626	9	24°16'73	4°26'63	63°	255	9.3			
520	10	25°99'73	9°15'59				576	30	6°44'63	6°10'22				627	16	14°37'65	5°90'65						
521	10	17°62'94	10°52'11				577	18	8°36'67	6°45'33				628	15	23°67'64	5°72'37						
522	10	17°75'55	10°48'94				578	40	9°20'75	6°50'75	64°	223	9.2	629	61	24°71'39	5°83'95	64°	256	8.6			
523	20	20°68'58	10°15'10				579	14	6°96'83	7°73'11				630	8	25°31'55	5°28'58	64°	258	9.5			
524	28	21°86'42	10°10'17	64°	188	9.2	580	44 $\frac{1}{2}$	11°35'47	7°66'37	64°	226	8.9	631	17	25°37'04	5°98'12	64°	259	9.5			
525	15	23°69'24	10°92'89				581	12	3°86'34	8°73'06				632	52 $\frac{1}{2}$	18°00'11	6°21'50	64°	240	8.5			
526	27 $\frac{1}{2}$	24°33'51	10°17'06	64°	193	9.5	582	28	4°97'41	8°40'96	64°	209	9.5	633	24	20°20'17	6°30'65						
527	18	24°33'65	10°08'37				583	16	5°33'07	8°35'17				634	58 $\frac{1}{2}$	20°56'85	6°41'60	64°	243	6.6			
528	6	14°78'94	11°75'42				584	20	7°28'98	8°13'29	64°	216	9.5	635	50 $\frac{1}{2}$	20°63'13	6°51'36	64°	244	9.4			
529	46 $\frac{1}{2}$	14°83'59	11°05'57	64°	165	9.3	585	50 $\frac{1}{2}$	7°33'83	8°92'06	64°	217	8.9	636	19	23°11'45	6°70'04	64°	249	9.5			
530	44 $\frac{1}{2}$	15°07'68	11°75'41	64°	166	9.3	586	9	10°51'38	8°93'09													
531	32	20°05'47	11°56'71																				
532	20	22°52'57	11°61'13																				
533	57 $\frac{1}{2}$	24°74'28	11°26'36	64°	196	8.5																	
534	10 $\frac{1}{2}$	25°79'26	11°47'60																				
535	8	14°14'27	12°13'13																				

No. 616. The declination of this star given in B.D. appears to be about 2'5 too large. No star on this Plate or on the corresponding Chart Plate can be identified with the neighbouring star given in B.D.—viz., B.D. 63° 239.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $= 47^{\circ}.3$  for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .	
No.					No.					No.				
Mag.					Mag.					Mag.				
R.A. 1 <sup>h</sup> 39 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup>					R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 57 <sup>m</sup>					R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 57 <sup>m</sup>				
Plate 1633—contd.					Plate 2380—contd.					Plate 2380—contd.				
637	34	17°7231	7°0623	°	691	38§	11°3408	4°3078	°	750	8	13°6339	12°0992	°
638	32	18°9029	7°8943	64 242	692	16	12°2598	4°1096		751	80§	5°3346	13°0387	64 268
639	16	19°5307	7°7682		693	26	12°4359	4°2600		752	32§	7°0045	13°8673	64 272
640	65	25°4837	7°7353	64 260	694	31	3°3932	5°3770	64 262	753	34§	7°5334	13°2242	64 273
641	20	14°4685	8°3215		695	18	4°6692	5°3286		754	8	9°1359	13°1297	
642	32	15°5711	8°3790	64 234	696	46§	5°2451	5°5015	64 269	755	16	11°6966	13°3996	
643	13	21°1767	8°4221		697	30	5°8240	5°3744		756	16	12°1696	13°5804	
644	12	21°5836	8°3000		698	50§	10°8231	5°8511	64 281	757	22	13°8644	13°7445	64 283
645	20	21°7498	8°3644	64 248	699	12	11°9193	5°2358						
646	14	21°9671	9°9096		700	10	12°1040	5°2111			63	1°2794	5°6982	64 256
647	34	23°0654	9°1657	64 250	701	14	12°2341	5°6708		R.A. 1 <sup>h</sup> 57 <sup>m</sup> to 2 <sup>h</sup> 6 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2380. 1894, Nov. 21.				
648	44§	17°5303	10°4782	64 239	702	14	13°6198	5°3948						
649	6	22°9613	10°2462		703	30	7°6431	6°5366		758	44§	14°9289	2°1838	63° 282
650	36	23°1906	10°7021	64 251	704	44§	8°2088	6°5814	64 274	759	18	14°9735	2°5240	
651	49	24°7937	10°1888	64 257	705	14	10°9060	6°5697		760	38	15°0522	2°8843	63 283
652	26	17°7912	11°0997		706	118§	11°9737	6°9275	64 282	761	30	15°3861	2°7589	
653	42	17°1534	12°6162	64 236	707	12	12°4031	6°8376		762	42§	17°0250	2°0442	63 292
654	32	17°4758	12°8638	64 238	708	59§	2°1815	7°5336	64 260	763	10	17°7356	2°5290	
655	24	18°2810	12°6955		709	25	4°1443	7°3632	64 266	764	12	17°7893	2°6615	
656	9	20°3116	12°8731		710	26	5°3096	7°7098		765	40	19°9537	2°7462	63 295
657	24	21°4784	12°6748	64 246	711	10	6°5432	7°1699		766	52§	20°1408	2°1209	63 297
658	4	24°0363	12°1002	64 253	712	40§	8°6489	7°4691	64 275	767	19	20°5337	2°9505	
659	26	24°3649	12°4061	64 254	713	32§	9°1534	7°6685		768	30	23°4014	2°3708	
660	42	15°2355	13°2512	64 233	714	28	10°0453	7°6722		769	14	16°3273	3°1374	
661	6	17°3728	13°0747	64 237	715	14	3°0475	8°8406		770	80§	16°4507	3°4843	63 290
662	26	19°6651	13°6206		716	13	3°2844	8°5038		771	16	17°3828	3°7508	
663	42§	20°6480	13°5789	64 245	717	25	4°0633	8°3304	64 264	772	46§	17°5106	3°7234	63 294
664	25	24°4265	13°6741	64 255	718	24	5°5020	8°7196		773	16	18°4189	3°9906	
R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 57 <sup>m</sup> Centre R.A. 1 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2380. 1894, Nov. 21.					719	14	6°7126	8°6347		774	18	18°7502	3°4742	
					720	6	9°6594	8°3120		775	24	18°8448	3°6321	
665	50	3°3624	2°4845	63° 258	721	20	2°3024	9°5530		776	13	20°3243	3°5279	
666	34	6°2188	2°0149	63 263	722	36	3°4237	9°0156	64 261	777	10	21°6288	3°7254	
667	14	11°1784	2°4750		723	21	4°1825	9°5434		778	18	23°0065	3°2294	
668	18	12°3485	2°4189		724	16	5°9247	9°5116		779	44	24°1345	3°7155	
669	28	12°4345	2°7779		725	44§	6°6068	9°8315	64 271	780	65	24°4100	3°5029	63 304
670	11†	12°5381	2°3824		726	8	7°0350	9°9198		781	11	16°6964	4°0792	
671	29	12°9842	2°1423		727	14	7°1113	9°9455		782	12	16°9685	4°7397	
672	28	13°3241	2°6085		728	10	9°5807	9°8733		783	34	20°0533	4°2749	63 296
673	12†	2°4580	3°4032		729	18	9°6488	9°0974		784	32	20°1316	4°7234	64 297
674	18	5°2708	3°9092		730	42§	10°2556	9°4683	64 280	785	7†	23°0541	4°7851	
675	41	6°2284	3°7758		731	6	10°4920	9°5173		786	33	23°5985	4°6284	63 302
676	20	7°0590	3°3999		732	8	13°2627	9°2698		787	35	23°8128	4°1311	
677	10	7°7219	3°6425		733	17	3°6618	10°4423	64 267	788	14	14°4445	5°2212	
678	138§	7°8154	3°5547	63 265	734	20	4°5236	10°0212		789	22	15°6858	5°3756	64 288
679	26	9°1943	3°6922		735	38§	4°9743	10°7290		790	8	15°8467	5°5699	
680	22	9°7516	3°1049		736	14	5°8840	10°9974	64 277	791	20	17°6645	5°2886	
681	14	9°8101	3°9938		737	38§	9°2855	10°3634		792	21	18°0550	5°9724	64 293
682	58§	11°1769	3°7574	63 273	738	10	11°5341	10°1955		793	11	19°0245	5°4886	
683	14	12°1892	3°6620		739	12	13°0639	10°6255		794	18	21°9724	5°3856	
684	34	12°3779	3°2356	63 275	740	12	13°1486	10°0069		795	20	15°2661	6°3300	
685	27	4°5332	4°5252		741	10	7°0213	11°2190		796	12	15°9452	6°9065	
686	10†	5°5227	4°5063		742	26	10°5543	11°9799		797	26	19°9604	6°1079	64 296
687	32	5°8599	4°0911		743	16	10°9185	11°9077		798	9	20°6154	6°9058	
688	12	8°9459	4°0712		744	14	4°6651	12°5942	64 276	799	43§	21°3512	6°4105	64 301
689	64§	9°4774	4°7545	64 278	745	8	7°4652	12°1500		800	47§	22°1352	6°3114	64 302
690	48§	9°6252	4°6265	64 279	746	40§	8°9209	12°9536		801	100§	25°8993	6°8000	64 307
					747	8	9°0348	12°1680						
					748	10	11°1047	12°0004						
					749	14	12°6146	12°5907						

No. 640 is measured on Plates 1633 and 2380.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $= 47^{\circ}.3$  for  $y = 14$  (Dec. + 65°).



## Z O N E + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\eta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	No.	Mag.
R.A. 1 <sup>h</sup> 57 <sup>m</sup> to 2 <sup>h</sup> 6 <sup>m</sup>						R.A. 2 <sup>h</sup> 6 <sup>m</sup> to 2 <sup>h</sup> 15 <sup>m</sup>						R.A. 2 <sup>h</sup> 6 <sup>m</sup> to 2 <sup>h</sup> 15 <sup>m</sup>					
Plate 2380—contd.						Plate 2323—contd.						Plate 2323—contd.					
802	10	14.8814	7.3531	°	m.	854	9	4.6827	4.3483	°	m.	912	18	5.2484	12.9280	°	m.
803	16	15.1376	7.3514			855	17	5.6358	4.8332			913	10	6.0220	12.6947		
804	8	15.9684	7.2020			856	18	3.3992	5.9627			914	10	10.8315	12.5417		
805	6	22.1174	7.6401			857	28	6.9304	5.1491			915	14	13.3980	12.1008		
806	13	22.5133	7.0450			858	28§	9.7346	5.8136	64	316	839	11	2.2162	13.8211		
807	22	15.3773	8.5999			859	12	10.8459	5.4556			840	32§	2.3820	13.6056	64	305
808	22	18.2157	8.9982	64	294	860	10	10.8814	5.2132			841	11	2.8216	13.6169		9.1
809	8	18.6987	8.2501			861	16	11.9063	5.3893			916	14	3.7027	13.1206		
810	78§	19.4051	8.7128	64	295	862	20	13.5850	5.3539			917	8	3.7905	13.6563		
811	10	21.1957	8.5219			863	79	2.4869	6.7096	64	307	918	14	4.8399	13.1105		
812	92§	14.1928	9.3873	64	285	864	11	2.5465	6.3455			919	22§	5.2256	13.3999		
813	7	14.5377	9.2894			865	15	4.1000	6.0831			920	14	6.5152	13.1050		
814	6	18.2105	9.1962			866	16	5.7225	6.8598			921	32§	9.0410	13.3672	64	315
815	16	20.2854	9.5329			867	10†	9.7344	6.7585	64	317	922	8	10.5253	13.5377	64	318
816	43§	23.1629	9.7576	64	304	868	18	10.6814	6.6730			R.A. 2 <sup>h</sup> 15 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup>					
817	21	24.5461	9.4603			869	16	11.2845	6.5194			Centre R.A. 2 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°					
818	16	14.6247	10.9832			870	26	11.5725	6.3113			Plate 2323. 1894, Nov. 5.					
819	16	14.9346	10.1914			871	14	13.1752	6.0580			923	45§	17.2328	3.3082	63	330
820	26	20.2064	10.3911			872	34§	13.6034	6.1652	64	322	924	9	22.6442	3.7694		8.2
821	38§	20.6739	10.7724	64	299	873	12	13.6010	6.5727			925	71§	25.1044	3.1702	63	335
822	12	20.9992	10.3415			874	21	4.5364	7.2363			926	32§	14.2170	4.5343	64	323
823	6	21.2487	10.3301			875	28	5.0549	7.5839	64	311	927	40§	16.2250	5.4131	64	325
824	31	25.6705	10.0543	64	306	876	48§	6.4760	7.9383	64	312	928	30	18.1354	5.6042		8.9
825	26	14.0187	11.1700	64	284	877	12	7.9163	7.9385			929	14	18.7447	5.5006		
826	16	15.0897	11.9516	64	287	878	24	11.8916	7.6719			930	16	15.3751	6.5945		
827	26	17.1256	11.8804	64	290	879	19	3.6025	8.8227			931	7	16.7655	6.6234		
828	14	18.7214	11.9498			880	46§	4.0248	8.6178	64	309	932	12	18.3283	6.5468		
829	16	19.7793	11.8805			881	14	6.7603	8.4219			933	23	23.2942	6.9806	64	329
830	36§	20.5891	11.5097	64	298	882	22	8.6830	8.6492			934	14	17.1046	7.7439		9.5
831	9	22.0480	11.9897			883	12	11.9407	8.2284			935	16	15.5176	8.8905		
832	25	22.2650	11.6591			884	22	13.9995	8.3537			936	36§	14.7919	9.4728	64	324
833	16	23.3063	11.8299			885	24	2.4980	9.9685	64	306	937	20	14.5274	10.2761		
834	31	24.6170	11.8922			886	27§	4.2098	9.8032			938	26	15.7834	11.8785		
835	14	14.3614	12.0202			887	30§	4.6313	9.5524			939	32	17.9827	11.3016	64	326
836	32	14.6696	12.0017	64	286	888	12	4.9115	9.0191			940	10	17.8082	12.2427		9.0
837	44§	20.9566	12.5051	64	300	889	18	6.2256	9.4081			941	14	22.3944	12.2812		
838	40§	16.6699	13.4605	64	289	890	24§	6.9325	9.6287			942	28§	23.6447	12.9809	64	330
839	11	25.1148	13.8791			891	16	8.9243	9.7342			943	12	16.6137	13.2091		
840	42§	25.2924	13.6754	64	305	892	44§	10.5509	9.4172	64	319	944	12	16.6890	13.0380		
841	8†	25.7325	13.7168			893	30§	11.9613	9.9471			945	10	18.8051	13.0102		
72 27.2973 8.8161 64 309 7.5						894	20	13.4601	9.7594			946	22	19.8646	13.0347		
R.A. 2 <sup>h</sup> 6 <sup>m</sup> to 2 <sup>h</sup> 15 <sup>m</sup>						895	12	13.8199	9.1978			947	30	22.4445	13.3842		
Centre R.A. 2 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°						896	28§	4.8018	10.1900	64	310	948	37§	24.9232	13.9116	64	331
Plate 2323. 1894, Nov. 5.						897	24	5.4704	10.7975			R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 33 <sup>m</sup>					
842	14	12.6741	2.9100	°	m.	898	14	6.0300	10.6974			Centre R.A. 2 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°					
843	12	13.9258	2.5043			899	10	6.8126	10.1994			Plate 1610. 1893, Nov. 17.					
844	17	3.2251	3.1222			900	10	7.2417	10.3975			949	24	10.2573	2.6773	63	345
845	12	3.3359	3.0813			901	14	7.7671	10.4780			950	12	12.2203	2.8740		9.4
846	8	6.2152	3.5996			902	15	2.0725	11.9155			951	6	12.4167	2.6016		
847	7	6.4231	3.9670			903	10	3.5763	11.3026			952	13	12.8252	2.0833		
848	36	6.9024	3.5210			904	22§	4.0115	11.9410			953	25	13.1511	2.7977		
849	18	7.8766	3.5520			905	24	5.0005	11.8192			954	29	13.4476	2.3127	63	348
850	36§	8.4613	3.2743			906	8	5.0562	11.8590			955	7	6.1964	3.8310		9.5
851	12	9.5633	3.7189			907	18	5.9260	11.2682	64	313	956	38	9.4372	3.6069		
852	38§	9.6746	3.0310	63	317	908	60§	7.1601	11.5448								
853	10	11.7743	3.5161			909	18	7.8876	11.3471								
						910	14	9.8255	11.3231								
						911	72§	13.4453	11.3372	64	321						
							4*	2.8766	12.5364	64	308						
							32§	4.7205	12.7803								

Nos. 801, 824, 839, 840, and 841 are measured on Plates 2380 and 2323.  
No. 948 is measured on Plates 2323 and 1610.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $y = 2$  (Dec. + 64°), and =  $47^{\circ}.3$  for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 33 <sup>m</sup> Plate 1610—contd.						R.A. 2 <sup>h</sup> 33 <sup>m</sup> to 2 <sup>h</sup> 42 <sup>m</sup> Plate 1610—contd.						R.A. 2 <sup>h</sup> 51 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> Plate 1640—contd.					
No.	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
957	16	13°5998	3°7822			1006	8	15°1780	11°4575			1049	40 $\frac{8}{16}$	16°9729	5°7427	64° 359	9°2
958	8	2°7346	3°9995	63	336	1007	10	17°4791	11°2488			1050	14*	21°2409	5°6712		
959	21	6°2089	4°6994			1008	6	17°7872	11°9247			1051	42	23°1639	5°5507	64° 370	9°3
960	16	7°8008	4°0249			1009	20	18°3512	11°0471			1052	21*	25°9584	5°3387	64° 372	9°5
961	10	6°1116	5°3625			1010	10	19°0047	11°6152			1053	42 $\frac{8}{16}$	16°8274	6°3226	64° 358	9°1
962	18	11°5470	5°4041			1011	14	20°8569	11°3325			1054	22	18°2159	6°5814		
963	44 $\frac{8}{16}$	5°7541	6°1922	64	333	1012	10	14°5174	12°8829			1055	44 $\frac{8}{16}$	18°4946	7°1504	64° 362	9°1
964	22	11°4867	6°8823			1013	25	22°0379	12°3866	64	345	1056	40 $\frac{8}{16}$	22°4543	8°3243	64° 368	9°1
965	24	12°3113	8°3334	64	341	1014	14	18°7088	13°0679			1057	12	17°5109	9°5339		
966	12	6°6744	9°8834			1015	32 $\frac{8}{16}$	19°8066	13°8913	64	343	1058	20	21°3041	9°3751		
967	10	7°6934	9°0564									1059	16	22°5275	9°0781		
968	21	5°0852	10°6360									1060	16	17°0931	9°9987		
969	18	5°8668	10°3080									1061	32	22°8104	10°4273	64° 369	9°4
970	30 $\frac{8}{16}$	9°0769	10°7733									1062	44 $\frac{8}{16}$	17°4384	11°1838	64° 361	9°0
971	22	6°6618	12°0034									1063	40 $\frac{8}{16}$	18°9058	11°2071		
972	46 $\frac{8}{16}$	9°6420	12°8016	64	337							1064	46 $\frac{8}{16}$	21°0569	11°5468	64° 363	8°3
973	62 $\frac{8}{16}$	9°9346	12°5608	64	338							1065	64 $\frac{8}{16}$	21°8700	11°2707	64° 366	7°4
974	20	12°9622	12°5715			1016	15	2°5352	2°9297	63° 358	9°5	1066	35	24°8902	11°3645	64° 371	9°4
975	18	13°9523	12°2396			1017	73 $\frac{8}{16}$	6°7103	2°4757	63° 364	8°5	1067	31	25°8904	12°5901		
976	46 $\frac{8}{16}$	2°1544	13°8867	64	331	1018	88 $\frac{8}{16}$	12°2902	2°1074	63° 370	6°5	1068	30	15°8409	13°9327	64° 357	9°1
977	38 $\frac{8}{16}$	5°0998	13°1819	64	332	1019	26 $\frac{8}{16}$	6°5938	3°1755			1069	18	15°8639	13°9445		
978	10	7°3552	13°6630			1020	14	13°2900	3°9564			1070	8†	15°9102	13°2933		
979	40 $\frac{8}{16}$	8°8955	13°6448	64	336	1021	86 $\frac{8}{16}$	5°8227	5°0918	64° 354	7°4	1071	44 $\frac{8}{16}$	16°9553	13°2194	64° 360	8°5
	4	12°0559	13°3778			1022	41	6°8090	5°6768			1072	14	16°9666	13°0754		
	63	1°5577	3°1586	63	335	1023	14*	8°7633	5°0720			1073	12	19°1931	13°7089		
						1024	20	10°8442	5°2165			1074	22	19°6488	13°1017		
						1025	30	11°3128	5°0770	64° 355	9°1	1075	20	21°0691	12°9677		
						1026	50 $\frac{8}{16}$	3°6316	6°6667	64° 352	9°2	1076	18	21°9371	13°1681		
						1027	12†	4°4325	6°6500								
						1028	20	4°6128	6°9291								
						1029	28	7°7732	6°7739								
						1030	10*	12°4883	6°8065								
						1031	10*	3°8516	7°2498								
						1032	22	8°1466	7°7544								
						1033	34	4°0449	9°6614	64° 353	9°2						
						1034	30	8°2358	9°5034			1077	22	5°1159	2°7985	63° 397	9°5
						1035	24†	4°5785	10°4281			1078	46	7°3669	2°0087	63° 400	9°1
						1036	26	6°9836	10°3163			1079	23	9°1933	2°2258		
						1037	20	8°9354	10°8610			1080	34	11°1860	2°1901		
						1038	62 $\frac{8}{16}$	12°2000	10°0480	64° 356	8°7	1081	40	11°6411	2°8960	63° 405	9°5
						1039	26	13°8707	10°2662			1082	20	2°2155	3°2616		
						1040	11*	12°0687	11°4402			1083	8	10°7616	3°4727		
						1041	26	6°3873	12°5216			1084	10	12°1342	3°0144		
						1042	14	13°8626	12°0633			1085	24	12°5434	3°6630		
							100	1°9474	4°6688	64° 351	7°2	1086	8	8°0522	4°2203		
												1087	12	8°9648	4°9484		
												1088	4*	9°6613	4°3226		
												1089	8	10°2732	4°1373		
												1090	24	10°2855	4°1266	64° 377	9°5
												1091	32	12°9971	4°8804	64° 379	9°4
												1092	24	2°5767	5°2093	64° 372	9°5
												1093	8*	2°6355	5°3106		
												1094	16	9°1457	5°1587		
												1095	10	12°6470	5°5308		
												1096	9†	13°3022	5°5094		
												1097	10	4°0017	6°8299		
												1098	9*	4°0440	6°2021		
												1099	6	4°1762	6°1196		
														4°4620	6°8618		

No. 1052 is measured on plates 1640 and 748.

1 réseau interval represents very nearly  $5' = 45^{\circ}6$  of R.A. for  $y = 2$  (Dec. + 64°), and =  $47^{\circ}3$  for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

R. A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 9 <sup>m</sup>						R. A. 3 <sup>h</sup> 9 <sup>m</sup> to 3 <sup>h</sup> 18 <sup>m</sup>						R. A. 3 <sup>h</sup> 18 <sup>m</sup> to 3 <sup>h</sup> 27 <sup>m</sup>					
Plate 748—contd.						Centre R. A. 3 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 748. 1893, Feb. 5.						Plate 2965—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1100	12	8.2315	6.1999			1152	5	16.5948	2.7576			1204	16	13.2924	2.9252		
1101	6	8.7123	6.1388			1153	20	17.0070	3.7232			1205	18	3.6375	3.1434		
1102	8	9.8950	6.9116			1154	6	19.4285	4.6361			1206	12	10.0761	3.4942		
1103	8	9.9735	6.8254			1155	80§	23.2100	4.8095	64	391	1207	16	10.4831	3.9771		
1104	10	10.0435	6.1208			1156	20	15.5086	5.1467			1208	48§	11.7786	3.2968	63	424
1105	4†	11.7674	6.3579			1157	14	16.0847	5.9257			1209	28	12.1672	3.3105		
1106	7	12.6405	6.3310			1158	10	15.3147	6.6624			1210	12	13.7822	3.3900		
1107	18	12.7522	6.7024			1159	7	23.2293	6.1673			1211	28	4.3669	4.4686		
1108	40§	13.9322	6.0422	64	381	1160	28	23.2503	6.0611	64	392	1212	16	6.2152	4.9001		
1109	26	3.6574	7.4989			1161	8	24.3850	6.7735			1213	16	7.1839	4.5685		
1110	14	6.4797	7.2007			1162	14	16.6309	7.6608			1214	14	8.8270	4.8361		
1111	12	6.6658	7.8990			1163	10	18.2731	7.5107			1215	8	8.9996	4.8542		
1112	18	6.9528	7.3301			1164	11	23.1570	7.0444			1216	16	11.5107	4.3130		
1113	22	12.5142	7.5297			1165	18	14.0941	8.0191			1217	7	13.0171	4.4959		
1114	12	4.9453	8.8716			1166	50§	15.4417	8.3976	64	383	1218	9	3.0254	5.8186		
1115	86§	5.6474	8.1742	64	375	1167	22	17.0355	8.6999			1219	12	3.9909	5.4764		
1116	24	7.7533	8.8372			1168	14	19.4384	8.7205			1220	20	6.0024	5.7277		
1117	28	9.3676	8.1596			1169	6	19.7892	8.5032			1221	12	7.4731	5.0657		
1118	10	10.3984	8.1433			1170	12	23.1009	8.6077			1222	10	7.3041	5.4137		
1119	46§	11.7082	8.3705	64	378	1171	7	16.1332	9.8886			1223	14	9.0854	5.4424		
1120	10	11.8000	8.1961			1172	10	16.3882	9.1801			1224	10	9.8003	5.0531		
1121	10	13.0138	8.1263			1173	22	16.4306	9.1252			1225	16	10.2344	5.8434		
1122	14	3.2357	9.3615			1174	8	17.5763	9.8689			1226	14	10.3367	5.7031		
1123	26	4.3489	9.6640			1175	20	17.8402	9.8835			1227	20	10.6093	5.6430		
1124	10	4.4759	9.7220			1176	44§	19.6504	9.9602	64	386	1228	24	11.4801	5.6586		
1125	10	4.9556	9.7546			1177	30	23.4819	9.5516	64	393	1229	12	11.8919	5.4581		
1126	42§	5.2860	9.9431	64	374	1178	20	15.0662	10.1881			1230	18	11.9972	5.5041		
1127	10	5.4952	9.1290			1179	14	18.7463	10.4905			1231	12	12.1255	5.8672		
1128	10	6.7135	9.6210			1180	28	19.5767	10.1845			1232	20	12.9394	5.4611		
1129	18	8.6861	9.9306			1181	8	20.2654	10.3521			1233	27	3.2098	6.9844		
1130	18	13.9048	9.4788			1182	10	14.5866	11.5271			1234	7	4.4988	6.3767		
1131	18	5.4248	10.5164			1183	28§	16.3046	11.2579	64	384	1235	7	5.3824	6.3779		
1132	16	5.5245	10.2196			1184	48§	19.4696	11.2672	64	385	1236	20	7.8392	6.7352		
1133	68§	7.0171	10.4241	64	376	1185	14	24.3794	11.2475			1237	18	8.5078	6.2174		
1134	26	10.6924	10.0012			1186	13	25.1624	11.5677			1238	34§	9.4731	6.0807		
1135	46§	13.5460	10.9019	64	380	1187	20	17.4175	12.3495			1239	7	11.0915	6.4640		
1136	10	6.5382	11.5538			1188	20	17.9107	12.2831			1240	7†	13.9753	6.4355		
1137	20	6.6771	11.8901			1189	48§	20.5019	12.0644	64	388	1241	8	6.4072	7.5827		
1138	10	6.8035	11.2807			1190	14	21.3049	12.7822			1242	7	9.6657	7.1279		
1139	10	7.0795	11.6891			1191	44§	22.5712	12.8409	64	389	1243	26	11.9564	7.8147		
1140	14	9.9693	11.0069			1192	11	24.2859	12.2719			1244	14	12.0973	7.0699		
1141	36§	3.0300	12.4434	64	373	1193	28§	16.4210	13.2989			1245	20	13.8440	7.9039		
1142	22	3.5050	12.5743			1194	46§	19.7049	13.4274	64	387	1246	12	3.7795	8.1978		
1143	12	5.2256	12.8708			R. A. 3 <sup>h</sup> 18 <sup>m</sup> to 3 <sup>h</sup> 27 <sup>m</sup> Centre R. A. 3 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2965. 1895, Dec. 3.						1247	12	9.1507	8.1832		
1144	12	7.5814	12.7919			1195	25	4.8361	2.2044			1248	14	10.1049	8.6819		
1145	22	10.5832	12.5788			1196	44§	5.6994	2.8660			1249	30§	11.2280	8.0077		
1146	10	11.4234	12.3542			1197	38§	5.7586	2.9165	63	417	1250	10	11.5579	8.5842		
1147	36§	12.2049	12.5606			1198	10	6.6765	2.5951			1251	10	12.4928	8.7737		
1148	30	3.5421	13.3588			1199	18	6.9681	2.4411			1252	14	12.5243	8.7431		
1149	22	5.6344	13.6490			1200	32§	7.8739	2.8139			1253	40§	13.3979	8.2429	64	397
1150	12	7.3554	13.7662			1201	34§	8.3251	2.1915			1254	22	13.9761	8.9264		9.1
1151	10	10.0320	13.3862			1202	10	8.9196	2.5614			1255	7	3.7223	9.0147		
	57	1.4794	2.6277	63	391	1203	20	12.5001	1.9896			1256	11	3.8866	9.0771		
												1257	6	9.7334	9.0904		
												1258	20	10.3325	9.2603		
												1259	22§	12.1022	9.7019		
												1260	18	12.8583	9.1461		
												1261	7	13.9889	9.5662		
												1262	26§	4.0691	10.1854		

No. 1186 measured on plates 748 and 2965.

1 réseau interval represents very nearly .5' = 45".6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47".3 for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 3 <sup>h</sup> 18 <sup>m</sup> to 3 <sup>h</sup> 27 <sup>m</sup> Plate 2965—contd.						R.A. 3 <sup>h</sup> 27 <sup>m</sup> to 3 <sup>h</sup> 36 <sup>m</sup> Plate 2965—contd.						R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 45 <sup>m</sup> Plate 2367—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1263	30 $\frac{8}{8}$	4.4078	10.9906	64	395	9.5	1316	12	15.2946	8.7519	°	1284	17	2.0765	3.7995	°	m.
1264	34 $\frac{8}{8}$	6.4806	10.6093	64	396	9.0	1317	18	15.6078	8.6046		1370	46 $\frac{8}{8}$	11.2734	3.1779	63. 454	9.0
1265	12	12.8275	10.5430				1318	16	16.4504	8.8096		1371	18	12.1042	3.1451		
1186	20	2.1617	11.5874				1319	12	21.7213	8.3319		1372	20	12.9302	3.8050		
1266	8	4.8590	11.5783				1320	9	23.4659	8.7092		1373	16	3.0663	4.3510		
1267	12	8.2365	11.2503				1321	26	14.1726	9.5774		1374	9	8.5738	4.1664		
1268	20 $\frac{8}{8}$	11.5321	11.6894				1322	18	15.3459	9.0840		1375	16	8.8206	4.5075		
1269	20 $\frac{8}{8}$	6.2785	12.5789				1323	36 $\frac{8}{8}$	15.4758	9.5402		1376	12	11.7178	4.2792		
1270	42 $\frac{8}{8}$	4.4158	13.2636	64	394	9.0	1324	14	16.6165	9.1692		1377	25	4.8586	5.9681		
1271	7	4.6573	13.5510				1325	20	16.7312	9.7316		1378	48 $\frac{8}{8}$	4.8709	5.8773	64. 406	8.8
1272	18	5.0866	13.4086				1326	14	18.9975	9.3885		1379	22	7.3927	5.6099		
1273	10	10.6839	13.4585				1327	12	19.3859	9.6146		1380	34	10.7900	5.1574		
1274	8	12.8429	13.1199				1328	42 $\frac{8}{8}$	19.8990	9.5456	64 401 8.8	1381	9	13.4338	5.8182		
1275	18	13.0613	13.6713				1329	40 $\frac{8}{8}$	20.8458	9.6809	64 402 9.0	1382	28	4.3284	6.8337		
1276	14	13.9223	13.2725				1330	14	21.2460	9.8389		1383	36	6.6140	6.2056		
R.A. 3 <sup>h</sup> 27 <sup>m</sup> to 3 <sup>h</sup> 36 <sup>m</sup> Centre R.A. 3 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2965. 1895, Dec. 3.						1331	12	21.3779	9.8504		1384	14	8.3076	6.0356			
1277	16 $\frac{1}{1}$	24.9077	2.5267	°	m.	1332	16	23.6149	9.7680		1385	14	9.5859	6.5662			
1278	26	14.9727	3.8987			1333	11 $\frac{1}{1}$	16.6524	10.6178		1386	64 $\frac{8}{8}$	13.4992	6.8876	64 412	8.5	
1279	14	15.1774	3.0530			1334	12	21.0263	10.3895		1387	10	13.6847	6.3302			
1280	24	17.7214	3.6447			1335	22	21.6046	10.5982		1388	14	4.7141	7.8447			
1281	27 $\frac{8}{8}$	18.4838	3.0624			1336	16	14.1897	11.1828		1389	66 $\frac{8}{8}$	7.4856	7.2390	64 408	8.7	
1282	6*	20.0892	3.1228			1337	9	16.7579	11.8981		1390	10	7.5711	7.5190			
1283	41 $\frac{8}{8}$	21.8372	3.7599	63 440	9.5	1338	22	17.4014	11.6500		1391	10	10.5355	7.0919			
1284	24	25.6758	3.9527			1339	32	21.0814	11.8536		1392	16	5.4505	8.4301			
1285	8	15.1836	4.6165			1340	7	21.4450	11.0582		1393	16	9.5675	8.8138			
1286	7	15.2269	4.3231			1341	23	24.7521	11.0642		1343	15	2.4118	10.8935			
1287	6	17.4984	4.4601			1342	8	25.4343	11.0894		1394	40 $\frac{8}{8}$	11.1819	10.8558	64 409	9.3	
1288	10	20.1967	4.4876			1343	17	25.5113	11.0559		1395	11	4.0002	12.2425			
1289	33 $\frac{8}{8}$	23.4487	4.6514			1344	18	17.4625	12.5306		1396	38 $\frac{8}{8}$	12.3865	12.0053	64 410	9.5	
1290	21	23.8326	4.4374			1345	16	18.2058	12.7042		1366	12	2.2804	13.6181			
1291	14	24.6879	4.4783			1346	22	18.2463	12.6964		R.A. 3 <sup>h</sup> 45 <sup>m</sup> to 3 <sup>h</sup> 54 <sup>m</sup> Centre R.A. 3 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2367. 1894, Nov. 19.						
1292	14	24.7863	4.2884			1347	14	18.6715	12.4790		1397	16	16.2252	2.5391	°	m.	
1293	13	14.6633	5.5033			1348	28 $\frac{8}{8}$	18.9924	12.0405		1398	69 $\frac{8}{8}$	20.1009	2.4131	63 466	8.5	
1294	7	16.6742	5.2998			1349	18	20.9849	12.2777		1399	30	14.4178	3.2054	63 461	9.5	
1295	7	17.4000	5.7341			1350	8	22.1626	12.2259		1400	57 $\frac{8}{8}$	24.0401	3.0061	63 470	8.5	
1296	20	20.2101	5.8028			1351	10	22.9131	12.2975		1401	16	15.0251	4.4709			
1297	23	23.9842	5.5493			1352	6	23.3832	12.3517		1402	13	24.4696	5.4882			
1298	54 $\frac{8}{8}$	24.6761	5.7344	64 405	8.8	1353	6 $\frac{1}{1}$	23.5103	12.7821		1403	29	24.5753	6.9788			
1299	16	16.1012	6.9905			1354	38 $\frac{8}{8}$	18.5124	13.5925	64 399 9.4	1404	18	18.0962	7.3805			
1300	24	16.2706	6.8146			1355	7 $\frac{1}{1}$	19.3612	13.3469		1405	20	19.0832	7.9500			
1301	24	16.9002	6.5047			1356	30 $\frac{8}{8}$	19.7731	13.0089		1406	33	22.1608	7.1482	64 418	9.5	
1302	15	25.7765	6.5978			1357	16	20.6796	13.6825		1407	10	17.3047	8.8714			
1303	18	17.1063	7.1347			1358	16	20.7128	13.6287		1408	28	18.2080	8.7206			
1304	16	17.1317	7.4490			1359	18	20.7398	13.9199		1409	12	19.9876	8.4880			
1305	18	18.1113	7.5443			1360	6	21.6921	13.4977		1410	30	22.4316	8.7237	64 419	9.5	
1306	44 $\frac{8}{8}$	18.7942	7.7566	64 400	8.8	1361	19	22.9084	13.4519		1411	40 $\frac{8}{8}$	15.2150	9.0609	64 413	9.3	
1307	22	19.0771	7.7675			1362	19	22.9631	13.4298		1412	36	18.0557	9.6673	64 415	9.3	
1308	16	19.0642	7.3283			1363	16	23.1668	13.8086		1413	16	18.2774	9.9803			
1309	42 $\frac{8}{8}$	22.4767	7.9632	64 403	9.0	1364	9 $\frac{1}{1}$	23.8105	13.6138		1414	18	20.1752	9.8082	64 417	9.3	
1310	10	22.5055	7.4735			1365	39 $\frac{8}{8}$	23.9014	13.8539	64 404 9.4	1415	12	15.8147	11.0118			
1311	9	24.1758	7.3159			1366	17	25.1883	13.7626		1416	18	16.3476	11.0385			
1312	9	24.2898	7.3723			R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 45 <sup>m</sup> Centre R.A. 3 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2367. 1894, Nov. 19.						1417	24	16.6171	11.5110		
1313	9 $\frac{1}{1}$	25.5096	7.2845			1367	45 $\frac{8}{8}$	7.5357	2.4284	63. 449 9.1	1418	8	17.1902	11.3540			
1314	34 $\frac{8}{8}$	14.0547	8.5757			1368	18	7.8731	2.8104								
1315	36 $\frac{8}{8}$	14.6183	8.8717			1369	11	13.9945	2.6478								

Nos. 1284, 1343, and 1366 are measured on plates 2965 and 2367.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R. A. 3 <sup>h</sup> 45 <sup>m</sup> to 3 <sup>h</sup> 54 <sup>m</sup>						R. A. 4 <sup>h</sup> 3 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup>						R. A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 21 <sup>m</sup>					
Plate 2367—contd.						Centre R. A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 2981. 1896, Jan. 28						Plate 2369—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1419	16	18°55'11	11°41'45	°	m.	1468	12	15°12'58	2°48'60	°	m.	1521	20	7°42'93	11°32'17	°	m.
1420	18	19°05'54	11°29'82			1469	7	18°55'58	2°67'62			1522	38§	11°75'77	11°00'19	64 444	9°2
1421	11	19°24'48	11°06'92			1470	36§	21°97'34	2°04'73	63 490	9°1	1523	12	12°12'34	11°50'02		
1422	40§	20°03'34	11°85'08	64 416	9°4	1471	10	22°41'67	2°29'88			1524	38	6°02'96	12°96'46	64 438	9°2
1423	20	20°37'90	11°76'36			1472	7	19°76'26	4°39'29			1525	14	6°94'63	12°34'41		
1424	28	20°86'91	11°01'36			1473	12	20°38'44	4°52'78			1526	42§	9°86'36	12°97'78	64 442	9°0
1425	16	21°08'39	12°65'87			1474	18	17°48'64	5°50'42			1527	20	6°32'33	13°07'95		
1426	24	22°25'32	12°23'41			1475	10	17°74'02	5°58'06			1528	28	10°24'01	13°28'95	64 443	9°5
1427	8	17°56'39	13°41'70			1476	14	25°81'69	5°45'17	64 435	9°5	1529	42§	13°28'72	13°55'52	64 448	9°3
1428	38§	23°45'30	13°74'03	64 420	9°2	1477	10	15°80'42	6°17'53				110	1°55'30	12°89'01	64 433	6°0
R. A. 3 <sup>h</sup> 54 <sup>m</sup> to 4 <sup>h</sup> 3 <sup>m</sup>						1478	14	16°19'56	6°91'24				54	1°63'70	9°85'03	64 434	8°6
Centre R. A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°						1479	10	17°71'27	6°29'34			R. A. 4 <sup>h</sup> 21 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup>					
Plate 2981. 1896, Jan. 28.						1480	8	20°62'31	6°54'71			Centre R. A. 4 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					
1429	18	2°32'51	2°63'87	°	m.	1481	11	22°77'39	6°80'16			Plate 2369. 1894, Nov. 19.					
1430	6	4°39'48	2°16'45			1482	20	24°11'91	6°60'61			1530	52§	14°10'85	2°10'95	63° 504	8°9
1431	15	6°29'16	2°29'13			1483	16	20°51'38	8°98'20			1531	10	14°89'18	2°38'02		
1432	20	4°60'72	3°89'06	64 421	9°5	1484	12	20°32'03	9°99'85			1532	46§	16°47'68	2°26'38	63 507	9°0
1433	20	4°95'46	3°79'72	64 423	9°5	1485	10	24°24'55	9°59'03			1533	12	18°61'59	2°80'42		
1434	16	6°10'86	3°37'57	63 478	9°5	1486	38§	24°78'16	9°91'02	64 434	8°6	1534	134§	21°88'82	2°64'28	63 515	6°3
1435	14	7°57'35	3°30'10			1487	42§	14°00'76	10°35'62	64 429	8°0	1535	34	15°35'29	3°62'51	64 454	9°3
1436	10	5°60'70	4°15'87			1488	10	18°52'54	11°38'88			1536	36	15°46'36	3°27'20	64 455	9°2
1437	16	7°91'74	4°81'77			1489	10	21°61'12	11°27'09			1537	14	20°59'26	3°55'55	64 461	9°5
1438	26§	12°00'04	4°69'59	64 426	8°8	1490	22§	14°26'95	12°85'47			1538	28	14°56'32	4°55'87	64 451	9°1
1439	7	12°66'59	4°86'27			1491	10	16°41'30	12°48'90			1539	12	14°88'53	4°09'34	64 453	9°5
1440	24§	13°59'95	4°83'04	64 428	9°5	1492	28§	17°91'25	12°70'48	64 430	9°3	1540	23	23°80'46	4°88'36	64 466	9°5
1441	18	7°08'68	5°20'99			1493	10	22°33'48	12°87'16			1541	13	15°08'31	5°50'01		
1442	10	7°44'48	5°61'14			1494	88§	24°47'50	12°94'08	64 433	6°0	1542	10	15°89'55	5°52'86		
1443	28§	12°40'11	5°23'63	64 427	9°3	1495	16	17°58'25	13°33'03			1543	11	19°60'31	5°05'88		
1444	8	4°85'46	6°29'91			1496	7†	23°59'16	13°09'83			1544	48§	19°94'22	5°45'95	64 460	8°0
1445	10	6°15'58	6°41'07			R. A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 21 <sup>m</sup>						1545	28	20°02'12	5°36'60		
1446	8	8°84'81	6°02'83			Centre R. A. 4 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						1546	26	22°06'79	5°46'88	64 464	9°5
1447	16	10°06'25	7°20'27			Plate 2369. 1894, Nov. 19.						1547	48§	18°48'95	6°95'45	64 458	8°0
1448	12	10°06'29	7°40'56			1497	44§	11°63'66	2°67'48	63 502	9°2	1548	13	19°67'65	6°84'17		
1449	18§	11°30'15	7°40'68			1498	20	12°02'84	2°54'96			1549	13	20°35'53	6°44'51		
1450	10	12°74'78	7°52'92			1499	28	6°41'59	3°77'81	64 439	9°3	1550	18	21°16'48	6°97'70	64 462	9°4
1451	10	7°66'54	8°89'45			1500	24	6°45'55	3°77'97			1551	40§	14°83'79	8°31'77	64 452	9°0
1452	10	2°74'36	10°64'18			1501	13	7°33'67	3°20'29	63 498	9°5	1552	8	15°20'25	8°44'77		
1453	22	4°87'47	10°67'08	64 422	9°5	1502	22	9°57'86	3°66'83	64 441	9°5	1553	30	14°41'76	9°61'86	64 450	9°5
1454	22	6°01'96	10°67'75			1503	14	6°49'53	4°54'46			1554	16	15°38'10	9°08'61		
1455	46§	6°72'92	10°84'59	64 424	8°4	1504	18	10°03'58	4°83'76			1555	8	16°20'12	9°08'13		
1456	12	13°05'69	10°34'96			1505	12	6°76'73	5°57'81			1556	51§	23°71'94	9°98'47	64 468	8°5
1457	12	3°80'39	11°32'95			1506	22	8°56'17	5°23'59			1557	14	14°83'66	10°33'64		
1458	10	5°79'69	11°17'06			1507	14	10°13'66	5°41'04			1558	14	17°92'05	10°26'78		
1459	14	9°60'18	11°49'95			1508	20	10°82'12	5°54'77			1559	9	21°82'40	10°99'53	64 463	9°5
1460	10	12°22'46	11°48'94			1509	18	12°96'98	5°20'69			1560	58§	14°08'66	11°86'02	64 449	8°0
1461	7	3°26'50	12°11'23			1510	19	3°08'46	6°39'98			1561	24	16°25'04	11°84'86		
1462	10	5°96'44	12°41'94			1511	14	10°66'89	6°18'94			1562	58§	17°47'96	11°22'50	64 457	7°9
1463	10	8°38'45	12°67'91			1512	24	12°48'37	6°23'32	64 446	9°5	1563	16	20°63'40	11°68'93		
1464	10	2°85'88	13°29'50			1513	18	13°00'01	6°76'94			1564	30§	22°28'43	11°58'40	64 465	9°3
1465	10	5°45'19	13°74'44			1514	20	13°03'04	6°75'42			1565	16	21°15'64	12°52'07		
1466	12	6°96'41	13°39'98	64 425	9°4	1515	39	3°87'95	7°11'85	64 436	9°2	1566	36§	19°27'70	13°30'04	64 459	9°1
1467	10	10°00'82	13°71'17			1516	8	11°90'60	8°13'92			1567	17	23°81'50	13°13'38		
						1517	10†	12°54'95	8°16'62			1568	9	23°72'33	13°70'31		
						1518	16	11°83'29	9°52'99	64 445	9°5		41	14°35'45	1°95'19	63 505	9°2
						1519	12	4°43'33	10°28'36				89	26°80'06	6°46'57	64 469	8°0
						1520	36§	9°30'95	10°01'36	64 440	9°3						

No. 1476 measured on plates 2367 + 2981.

1 réseau interval represents very nearly  $5' = 45^{\circ}6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^{\circ}3$  for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

R. A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 39 <sup>m</sup>						R. A. 4 <sup>h</sup> 39 <sup>m</sup> to 4 <sup>h</sup> 48 <sup>m</sup>						R. A. 4 <sup>h</sup> 57 <sup>m</sup> to 5 <sup>h</sup> 6 <sup>m</sup>					
Centre R. A. 4 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°						Plate 2967— <i>contd.</i>						Centre R. A. 4 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°					
Plate 2967. 1895, Dec. 10.						Plate 2968. 1895, Dec. 10.						Plate 2968. 1895, Dec. 10.					
No.	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1569	18	2°5735	2°9971		m.	1622	12	25°4285	12°7985			1671	40 $\frac{8}{8}$	16°5591	2°8810	64° 499	8°9
1570	23	6°6619	2°2998	63	531	1623	10	20°0918	13°3078			1672	8	17°7978	2°7705		
1571	11†	6°6688	2°2644									1673	20	14°8429	3°3203		
1572	15	7°8194	2°4256									1674	10	14°8904	3°3526		
1573	22	11°2793	2°9362	64	477							1675	40 $\frac{8}{8}$	15°8732	3°8938	64	498
1574	14	12°8651	2°1681									1676	16	18°3843	3°4922		
1575	14	9°3350	3°1161									1677	12	18°5833	3°7053		
1576	12	9°3377	4°0714									1678	19	19°8875	3°1043		
1577	10	2°2735	5°2199									1679	50 $\frac{8}{8}$	21°7330	3°9675	64	503
1578	10	7°5540	5°8998			1624	17	6°2463	2°7579		m.	1680	29	24°1113	3°8813		
1579	14	11°6959	5°1054			1625	20	8°9892	2°9457			1681	10	16°5621	4°1487		
1580	44 $\frac{8}{8}$	3°4408	6°4109	64	469	1626	26	11°8095	2°4562			1682	19	16°7253	4°0305		
1581	18	4°4557	7°4765			1627	28	13°7483	2°5056			1683	14	18°0551	4°6081		
1582	14	8°5742	7°5632			1628	17	6°5245	3°3058			1684	12	19°4296	4°6038		
1583	26 $\frac{8}{8}$	11°2410	7°0734	64	476	1629	30 $\frac{8}{8}$	8°2440	3°9607	64	493	1685	24	21°7134	4°2767		
1584	24 $\frac{8}{8}$	6°6023	9°8636	64	472	1630	14	9°9655	3°0528			1686	28	21°7329	4°8947		
1585	10	9°4587	9°9754			1631	36 $\frac{8}{8}$	11°3296	3°9841	64	495	1687	35	23°1882	4°5152		
1586	20	10°7747	9°6912	64	474	1632	31	2°6541	4°7919			1688	36 $\frac{8}{8}$	14°3334	5°5157	64	497
1587	56 $\frac{8}{8}$	11°1929	9°5046	64	475	1633	10	5°8854	4°5037			1689	14	14°6775	5°7119		
1588	10	10°6563	10°2641			1634	18	11°4081	4°0244			1690	18	25°2523	5°9742		
1589	12	3°3133	11°2585			1635	24 $\frac{8}{8}$	12°9642	4°1644			1691	16	17°7898	6°9828		
1590	40 $\frac{8}{8}$	5°5432	12°8690	64	470	1636	14	13°1444	4°7060			1692	8	19°2403	6°9520		
1591	20	5°9408	12°6627	64	471	1637	14	13°8005	4°0913			1693	12	19°8463	6°7178		
1592	40 $\frac{8}{8}$	9°3226	12°4266	64	473	1638	16	7°9710	5°2243			1694	10	20°4262	6°0223		
1593	14	11°1374	12°6021			1639	12	9°3801	5°4340			1695	20	20°7095	6°6203	64	502
1594	8	11°7361	12°3742			1640	26 $\frac{8}{8}$	10°8516	5°5775			1696	18	20°9184	6°5598		
1595	14	12°0663	13°6491			1641	10	10°9228	5°4658			1697	8	21°5102	6°4957		
1596	8	12°5875	13°2043			1642	12	3°0710	6°0945			1698	10	23°2379	6°4272		
1597	20	12°9061	13°4813			1643	14	3°5055	6°5389			1699	8	15°5488	7°2731		
						1644	12	10°9208	6°5125			1700	8	17°2776	7°5107		
						1645	14	12°3019	6°7026			1701	12	17°2944	7°5801		
						1646	19	3°0079	7°4428			1702	6	17°5903	7°3365		
						1647	21	3°5887	7°2656			1703	12	20°0349	7°0062		
						1648	8	4°4810	7°5665			1704	5	21°9792	7°5726		
						1649	12	11°3703	7°8945			1705	8	22°3734	7°7016		
						1650	10	11°4306	7°7972			1706	32 $\frac{8}{8}$	19°2215	8°4319	64	501
						1651	20 $\frac{8}{8}$	12°4152	7°6827			1707	10	20°3358	8°3129		
						1652	32 $\frac{8}{8}$	11°7069	8°9969	64	496	1708	10	20°5251	8°9840		
						1653	14	12°6540	8°2317			1709	14	20°5538	8°9603		
						1654	27 $\frac{8}{8}$	3°2738	9°7326			1710	17	22°5810	8°1293		
						1655	20	4°4902	9°1352	64	491	1711	15	25°0418	8°0904		
						1656	16	10°8425	9°4082			1712	13	25°0491	8°0367		
						1613	14	2°3491	10°5057			1713	54 $\frac{8}{8}$	25°8193	8°2545	64	506
						1657	17	4°0032	10°4534			1714	8	15°3781	9°2754		
						1658	40 $\frac{8}{8}$	4°2431	10°2631	64	489	1715	10	19°3170	9°2757		
						1659	24 $\frac{8}{8}$	4°5335	10°4646	64	490	1716	50 $\frac{8}{8}$	22°0304	9°4008	64	504
						1660	32 $\frac{8}{8}$	7°4474	10°4460	64	492	1717	20	14°6455	10°6960		
						1661	18	7°5309	10°1895			1718	8	16°8494	10°0948		
						1662	16	9°2678	10°3921			1719	10	14°9103	11°4374		
						1663	40 $\frac{8}{8}$	10°5980	10°5392	64	494	1720	14	17°0858	11°6153		
						1664	14	4°5750	11°4102			1721	6	17°3258	11°0749		
						1665	10	5°0216	11°0965			1722	84 $\frac{8}{8}$	17°8199	11°4575	64	500
						1622	12	2°4901	12°6295			1723	36 $\frac{8}{8}$	22°9264	11°9870	64	505
						1666	16	5°5190	12°5516			1724	24 $\frac{8}{8}$	23°0257	11°9723		
						1667	18	8°5757	12°3009			1725	12	25°0414	11°3915		
						1668	28 $\frac{8}{8}$	9°1323	13°7635			1726	8	15°5525	12°6047		
						1669	8	9°1823	13°5675			1727	8	19°3757	12°0483		
						1670	6	13°0147	13°6016			1728	14	20°0761	12°6684		
												1729	16	20°6074	12°0248		
							48	11°5669	1°7744	63	561						

Nos. 1613 and 1622 measured on plates 2967 and 2968.

No. 1713 measured on plates 2968 and 1650.

1 réseau interval represents very nearly 5' = 45°.6 of R. A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R. A. 4 <sup>h</sup> 57 <sup>m</sup> to 5 <sup>h</sup> 6 <sup>m</sup>						R. A. 5 <sup>h</sup> 15 <sup>m</sup> to 5 <sup>h</sup> 24 <sup>m</sup>						R. A. 5 <sup>h</sup> 24 <sup>m</sup> to 5 <sup>h</sup> 33 <sup>m</sup>					
Plate 2968—contd.						Centre R. A. 5 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 1650. 1893, Dec. 1.						Plate 3018—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
1730	12.	15.4646	13.9206			1775	16	16.4403	2.0664			1824	14†	3.5638	5.6901		
1731	10	22.5325	13.4738			1776	6	15.6819	3.5716			1825	14	6.3946	5.8523		
1732	32§	25.7749	13.5837	64	507	1777	6*	15.6898	3.9001			1826	18§	7.0448	5.0945		
1733	26	25.8845	13.8835			1778	18	16.3917	4.7711			1827	14	8.4740	5.5126		
1734	8	25.9062	13.2608			1779	34	16.6560	4.9001	64	525	1828	18§	8.7760	5.9151		
	53	27.0120	10.1561	64	509	1780	46§	17.3550	4.5251	64	526	1829	12	10.7996	5.5893		
						1781	22	17.6496	4.3509	64	527	1830	28§	13.4324	5.4948	64	539
						1782	10	19.2749	4.0177			1831	12	2.9914	6.1510		
						1783	36§	19.5415	4.5315	64	530	1832	10	6.2995	6.6118		
						1784	24	15.0712	5.7788			1833	26§	9.1394	6.3649		
						1785	26	17.767	5.1890			1834	10	11.4326	6.5192		
						1786	80§	22.9304	5.0418	64	532	1835	10†	12.9382	6.5326		
						1787	12	23.2750	5.3644			1836	19	2.2294	7.5132		
						1788	16	15.5409	6.9019			1837	12	4.1662	7.7193		
						1789	10	22.0784	6.6029			1838	38§	6.4346	7.5961	64	535
						1790	33	22.8289	6.2006			1839	10	7.7555	7.6932		
						1791	24.	15.7508	7.2744			1840	12	7.8243	7.1848		
						1792	44§	15.9273	8.9184	64	524	1841	10†	11.7942	7.1639		
						1793	44§	19.9512	8.2645	64	531	1842	12	11.8637	7.3210		
						1794	6†	22.2327	8.6863			1843	10†	13.7333	7.9852		
						1795	18†	25.6330	8.9539			1795	22	2.0668	8.7567		
						1796	7	20.2659	9.4776			1844	22.	2.4895	8.7532		
						1797	12	14.2703	10.4085			1845	12.	6.0481	8.9160		
						1798	16	15.9079	10.9006			1846	8.	7.3723	8.9033		
						1799	12	15.9401	10.1553			1847	16	9.1132	8.6283		
						1800	36§	18.7918	10.7274	64	529	1848	10†	10.9527	8.1171		
						1801	7†	24.3805	10.7235			1849	8	12.6992	8.2787		
						1802	22	15.3851	11.7906			1850	16	6.1855	9.7050		
						1803	11	18.7357	11.8910			1851	12	7.6840	9.9801		
						1804	17	23.8483	11.5979			1852	14	7.7116	9.6775		
						1805	15	24.3621	11.5155			1853	14†	8.7925	9.7170		
						1806	14	15.5441	12.9288			1854	12	9.9213	9.9499		
						1807	10	17.3205	13.4408			1855	10	13.1844	9.2284		
							72	14.6892	1.7532	63	580	1856	24	4.7353	10.2511		
							50	16.2205	1.7340	63	581	1857	10	5.2407	10.1034		
												1858	10	6.1174	10.5616		
												1859	14	8.3385	10.7472		
												1860	12	8.3881	10.8902		
												1861	10	9.2408	10.4207		
												1862	16§	13.4635	10.2083		
												1863	12*	2.9816	11.7768		
												1864	18§	5.2065	11.1081		
												1865	14	6.9060	11.1243		
												1866	10	8.2464	11.8881		
												1867	6	12.5068	11.9376		
												1868	10†	13.8235	11.1398		
												1869	28§	6.1605	12.3404		
												1870	12	7.3040	12.9337		
												1871	12	8.3297	12.4700		
												1872	10†	8.6269	12.6265		
												1873	10	9.4782	12.1628		
												1874	24§	10.6527	12.5646		
												1875	34§	11.6900	12.2585	64	537
												1876	18	12.9194	12.6471		
												1877	16	3.3739	13.8309		
												1878	64§	3.9232	13.7417	64	534
												1879	12	7.5913	13.2549		
												1880	10.	10.0449	13.8874		
												1881	14.	10.6309	13.6846		
												1882	8	13.7690	13.3155		

Nos. 1732 and 1733 measured on plates 2968 and 1650. No. 1795 is measured on plates 1650 and 3018.  
B. D. 64°, 513 9<sup>m</sup> 5. Not shown on plate 1650. Shown on corresponding Chart Plate 3735 taken 1897 Nov. 30.

1 réseau interval represents very nearly 5' = 45°.6 of R. A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).



ZONE + 64°.

Nos. 1926 and 1935 are measured on plates 3018 and 3019.

A *réseau* interval represents very nearly  $5^{\circ} = 45^{\text{m}}.6$  of R.A. or  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{m}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).

## ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	$\alpha$ .	$y$ .		No.	Diam.	$\alpha$ .	$y$ .		No.	Diam.	$\alpha$ .	$y$ .	
No.					No.					No.				
Mag.					Mag.					Mag.				
R.A. 5 <sup>h</sup> 51 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup>					R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 9 <sup>m</sup>					R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 9 <sup>m</sup>				
Plate 3019—contd.					Plate 807—contd.					Plate 807—contd.				
2044	10	20°27'06	7°54'54	°	2096	10	7°41'70	3°57'97	°	2155	26	7°95'63	9°75'43	°
2045	12	22°83'14	7°97'71		2097	9	8°26'20	3°70'38		2156	10	8°31'49	9°12'98	
2046	14	23°07'91	7°86'18		2098	14	9°95'52	3°26'43		2157	6	9°37'25	9°90'64	
2047	30§	23°35'67	7°25'12		2099	12	10°46'21	3°48'87		2158	9	3°32'03	10°30'76	
2048	12†	25°03'39	7°04'55		2100	38§	10°77'76	3°20'91	64 573	2159	8	6°04'55	10°70'72	
2049	12	15°98'21	8°42'69		2101	8	12°50'54	3°80'52		2160	26	8°66'74	10°13'09	
2050	12	17°13'03	8°44'75		2102	14	13°17'96	3°53'14		2161	18	9°69'00	10°24'11	
2051	12	18°36'43	8°19'99		2103	40§	3°54'53	4°47'69	64 568	2162	10	9°96'82	10°69'30	
2052	16	20°93'82	8°42'17		2104	9	3°66'16	4°57'91		2163	14	11°48'41	10°67'44	
2053	10	22°84'86	8°19'48		2105	17	4°72'02	4°35'17		2164	6	2°87'62	11°51'50	
2054	21	24°84'49	8°68'83		2106	6	5°42'38	4°14'32		2165	10	2°89'67	11°09'72	
2055	18§	14°81'13	9°49'39		2107	16	7°17'29	4°54'74		2166	15	3°34'38	11°37'10	
2056	10	15°58'37	9°35'34		2108	9	9°38'63	4°62'08		2167	6*	4°13'19	11°58'60	
2057	12	17°33'23	9°98'51		2109	12	13°79'74	4°53'27		2168	38§	5°87'66	11°51'77	
2058	10	18°44'03	9°19'18		2110	20	3°85'52	5°66'71		2169	4	8°69'44	11°83'27	
2059	10	18°47'29	9°53'86		2111	8	4°92'51	5°37'81		2170	32§	8°84'11	11°72'63	64 571
2060	10†	21°02'18	9°26'30		2112	18	8°60'66	5°39'96		2171	4*	10°34'52	11°18'86	9°5
2061	14	23°25'66	9°81'58		2113	6	8°72'40	5°89'05		2172	32§	10°74'31	11°18'96	
2062	10	14°15'58	10°67'51		2114	10*	12°84'49	5°28'80		2173	6	12°21'39	11°08'73	
2063	10	15°97'03	10°28'49		2115	12	13°17'43	5°39'13		2083	16	2°10'80	12°55'93	
2064	18	18°50'67	10°99'48		2116	25§	2°58'66	6°76'82		2174	10	2°88'66	12°84'90	
2065	14	18°67'82	10°61'04		2117	6	3°46'60	6°93'83		2175	10	6°43'38	12°32'42	
2066	18§	18°94'60	10°09'06		2118	10	3°76'47	6°16'10		2176	28	8°22'52	12°35'07	
2067	6	19°21'22	10°75'48		2119	20	4°24'76	6°69'31		2177	68§	12°02'28	12°30'00	64 575
2068	28§	19°60'90	10°54'78	64 562	2120	12	4°53'60	6°20'31		2178	10	3°00'41	13°35'03	7°5
2069	10	19°75'62	10°91'53		2121	19	4°60'31	6°82'10		2179	13	4°27'98	13°93'78	
2070	24§	22°22'36	10°33'94		2122	10	4°69'44	6°65'50		2180	16	7°72'66	13°72'36	
2071	6	22°23'14	10°33'53		2123	18	5°82'04	6°51'62		2181	44§	8°44'56	13°88'98	64 570
2072	19	25°09'93	10°00'46		2124	12	8°54'03	6°07'50		2182	14	12°21'45	13°57'00	9°3
2073	32§	17°11'58	11°86'63		2125	6	9°41'33	6°60'01		2183	12	13°21'60	13°41'99	
2074	6*	17°17'06	11°84'86		2126	12	12°10'74	6°29'86		R.A. 6 <sup>h</sup> 9 <sup>m</sup> to 6 <sup>h</sup> 18 <sup>m</sup> Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 807. 1893, March 1.				
2075	24	17°76'11	11°98'51	64 559	2127	9	2°43'81	7°09'85						
2076	26§	17°94'93	11°94'96		2128	6	4°67'60	7°04'86		2184	12†	16°08'56	2°45'23	°
2077	6	18°72'63	11°40'57		2129	14	5°67'50	7°52'95		2185	14	19°04'71	2°58'06	
2078	6†	23°97'83	11°20'22		2130	6	7°40'29	7°23'83		2186	6*	21°43'21	2°75'12	
2079	18	20°18'29	12°83'73		2131	8†	8°57'69	7°32'62		2187	19	25°79'79	2°88'53	
2080	16	21°44'53	12°31'47		2132	20	8°98'97	7°44'18		2188	28§	20°94'10	3°82'54	
2081	10	21°99'06	12°81'41		2133	16	12°34'43	7°83'53		2189	15	21°65'61	3°72'39	
2082	8†	22°99'30	12°02'61		2134	6†	12°54'64	7°92'10		2190	29	22°79'85	3°52'93	
2083	16	25°11'57	12°59'87		2135	10	13°70'60	7°99'69		2191	12	23°15'19	3°35'48	
2084	42§	15°90'65	13°54'43	64 557	2136	10	4°17'24	8°62'10		2192	44§	24°51'32	3°87'97	64 585
2085	7	17°31'05	13°42'46		2137	7	4°41'83	8°06'58	64 572	2193	10†	15°27'75	4°04'76	9°0
2086	12	17°64'69	13°01'76		2138	28§	5°24'88	8°86'36		2194	34§	15°41'87	4°41'08	64 577
R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 9 <sup>m</sup> Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 807. 1893, March 1.					2139	18	5°28'52	8°99'44		2195	6	17°13'63	4°22'73	
					2140	10	5°76'65	8°47'15		2196	14*	20°91'75	4°13'98	
2087	21	2°03'12	2°52'62	°	2141	12	6°70'99	8°28'24		2197	16	23°22'03	4°02'53	
2088	10	5°31'47	2°72'83		2142	34§	9°38'20	8°06'17	64 572	2198	4†	18°60'30	5°20'26	
2089	30	9°90'49	2°38'57		2143	6†	9°67'52	8°30'24		2199	18	18°88'66	5°87'51	
2090	11	9°93'62	2°48'23		2144	6†	9°69'31	8°30'48		2200	18	20°03'30	5°07'96	
2091	43§	11°49'70	2°54'70	64 574	2145	6	9°77'46	8°15'73		2201	8	21°31'96	5°66'39	
2092	32§	13°08'06	2°87'10		2146	22	10°45'21	8°11'36		2202	6*	21°76'10	5°18'91	
2093	11*	3°07'42	3°78'76		2147	6	13°71'14	8°61'47		2203	50§	24°04'46	5°24'47	64 584
2094	25	3°11'01	3°02'71	64 567	2148	14	13°82'64	8°24'85		2204	11*	24°04'96	5°41'65	8°8
2095	32§	3°43'70	3°64'63		2149	9	2°72'53	9°35'08		2205	9†	24°06'90	5°89'13	
					2150	6	3°89'35	9°47'73						
					2151	8	4°17'37	9°74'60						
					2152	24	5°03'73	9°64'53	64 569					
					2153	16	5°50'57	9°77'88						
					2154	20	6°11'62	9°54'76						

No. 2083 is measured on plates 3019 and 807.

1 réseau interval represents very nearly 5' = 45°·6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°·3 for  $y = 14$  (Dec. + 65°).



## ZONE + 64°

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
R.A. 6 <sup>h</sup> 9 <sup>m</sup> to 6 <sup>h</sup> 18 <sup>m</sup>						R.A. 6 <sup>h</sup> 9 <sup>m</sup> to 6 <sup>h</sup> 18 <sup>m</sup>						R.A. 6 <sup>h</sup> 18 <sup>m</sup> to 6 <sup>h</sup> 27 <sup>m</sup>					
Plate 807—contd.						Plate 807—contd.						Plate 1653—contd.					
2206	8	14.4193	6.7540		m.	2266	6	21.1954	11.9481		m.	2315	22	12.2041	11.8771		m.
2207	10	18.1353	6.2895			2267	26§	21.5848	11.7408			2316	10	13.1103	11.3370		
2208	10	18.3151	6.9148			2268	30§	22.0518	11.8066			2317	22	9.4243	12.9493		
2209	15	22.3507	6.7402			2269	10†	22.1103	11.5700			2318	12	5.3538	13.4184		
2210	23	23.4289	6.3407			2270	6†	22.2354	11.7973			2319	46§	6.6421	13.5978	64 589	8.6
2211	9*	24.1728	6.2378			2271	20	23.9833	11.3943			2320	10	7.5163	13.0411		
2212	18	25.4726	6.8877			2272	14	14.7038	12.6068			2321	12	7.6970	13.9634		
2213	20	14.1556	7.1799			2273	14	15.5034	12.3623			2322	16	7.6992	13.9424		
2214	12	14.6416	7.1913			2274	14	17.4797	12.9961			2323	8*	12.6041	13.4253		
2215	26§	15.6048	7.3126			2275	6	19.2351	12.5978			2324	10	12.9549	13.7061		
2216	10	15.8117	7.3413			2276	18	19.8839	12.0344				56	1.0411	3.9595	64 585	9.0
2217	6	16.3147	7.8005			2277	15	23.8085	12.7163			R.A. 6 <sup>h</sup> 27 <sup>m</sup> to 6 <sup>h</sup> 36 <sup>m</sup>					
2218	10	16.9785	7.6531			2278	10	24.5653	12.2710			Centre R.A. 6 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°					
2219	16	17.2487	7.6467			2279	18	15.5738	13.1656			Plate 1653. 1893, Dec. 1.					
2220	10	18.9198	7.0389			2280	26§	16.8351	13.6616			2325	17*	16.9881	2.5502		m.
2221	32§	20.0648	7.9356	64 578	9.4	2281	18	18.2041	13.8637			2326	18	16.2171	3.5657		
2222	32§	20.9791	7.4253	64 581	9.4	2282	10	18.2063	13.5903			2327	19*	20.4405	3.5938		
2223	7	23.2963	7.6631			2283	54§	20.4520	13.5141	64 580	8.6	2328	22	16.7294	4.7622		
2224	12	24.0752	7.4136			2284	18	20.6045	13.8813			2329	52§	17.0783	4.9334	64 596	8.0
2225	14	24.5671	7.4502			2285	18	20.9703	13.7116			2330	20	18.0139	4.6585		
2226	10	14.0250	8.4509			2286	30§	22.8681	13.0338	64 582	9.5	2331	12	20.7659	4.9922		
2227	10	16.2853	8.3135			2287	12	24.5672	13.2010			2332	77§	22.1085	4.4285	64 600	7.9
2228	10	16.7912	8.3266			2288	8	25.9775	13.9136			2333	9	14.6249	5.6592		
2229	12	20.0958	8.3767			R.A. 6 <sup>h</sup> 18 <sup>m</sup> to 6 <sup>h</sup> 27 <sup>m</sup>						2334	14	16.3577	5.7706		
2230	12	20.2185	8.0641			Centre R.A. 6 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°						2335	32	25.1848	5.5647		
2231	6*	21.5867	8.7972			Plate 1653. 1893, Dec. 1.						2336	16	16.0144	6.7009		
2232	8*	21.6377	8.2538			2289	50§	13.7014	2.9994	64 592	8.8	2337	34§	19.8178	6.2967		
2233	8*	21.8703	8.6170			2290	52§	8.6600	3.1810	64 590	8.8	2338	8	14.3297	8.4244		
2234	8	24.9357	8.2600			2291	8	9.9626	3.7282			2339	22	14.5009	8.6162		
2235	16*	25.1453	8.2801			2292	15	12.1448	3.2340			2340	26§	17.9884	8.4891		
2236	36§	25.3780	8.4029			2293	20	4.0233	4.4908			2341	44§	16.4039	9.8646	64 594	9.3
2237	21	25.7631	8.3524			2294	30	7.9514	4.7069			2342	22	20.0441	9.4367		
2238	15	25.8655	8.3418			2295	50	3.8838	5.1004	64 586	9.2	2343	16	22.5139	9.3128		
2239	7	14.0796	9.0493			2296	15	4.4582	5.1550			2344	16	15.8512	10.0024		
2240	8	14.3851	9.7109			2297	36§	6.4317	5.8068	64 588	9.2	2345	12	17.4051	10.1087		
2241	10	14.6915	9.1708			2298	20	8.3487	5.6538			2346	50§	17.4387	10.5665	64 597	8.8
2242	12	15.5168	9.6770			2299	10	8.4186	5.3504			2347	16†	25.0614	10.9074		
2243	20	15.8516	9.1195			2300	12	10.7791	5.5857			2348	64§	16.0124	11.8376	64 593	7.9
2244	16	16.4620	9.2704			2301	9	13.0741	5.6731			2349	12	16.0367	11.8129		
2245	8	17.9085	9.2028			2302	9*	12.0231	6.3519			2350	12*	16.0146	11.9245		
2246	8	18.0659	9.5084			2303	10	12.8412	6.5520			2351	9	18.0404	11.1576		
2247	8	18.0804	9.6023			2304	38	2.2142	8.4091			2352	8	19.1828	11.2239		
2248	18	19.3925	9.2152	64 579	9.4	2305	48	6.0146	8.1853	64 587	8.2	2353	44§	19.3082	11.1466	64 598	9.1
2249	32§	20.4337	9.8107			2306	22	9.6925	8.8114			2354	36§	21.5059	11.2946	64 599	9.0
2250	22§	20.6547	9.0266			2307	22	2.7591	9.7707			2355	7†	21.8458	11.1999		
2251	10	23.2488	9.3276			2308	8	6.6969	9.1020			2356	21	23.5909	11.5481		
2252	20	25.8274	9.7965			2309	18	7.1734	9.5986			2357	46§	16.5198	12.5061	64 595	9.2
2253	8	15.0940	10.4290			2310	14	13.6553	9.3105			2358	10†	20.5043	12.6798		
2254	10	15.1512	10.6387			2311	26	13.8051	9.8402			2359	26	22.3456	12.5405		
2255	10	15.9858	10.3145			2312	32	11.4816	10.4772	64 591	9.0	2360	11*	23.7528	12.2241		
2256	8†	16.2828	10.9553			2313	38	11.5030	10.2365			2361	26	16.9298	13.4587		
2257	12	19.1256	10.1228			2314	9	6.4562	11.3344			2362	8	17.4524	13.0101		
2258	14	20.2622	10.0645			2315	8*	6.4741	11.0066			2363	14	19.9544	13.8860		
2259	12	20.9625	10.3137			2316	26§	8.0939	11.4872			2364	28	23.0366	13.7846		
2260	12	22.0230	10.3278	64 583	9.5												
2261	34§	23.0110	10.4104														
2262	28§	24.1848	10.2457	64 576	9.5												
2263	36§	14.0814	11.0368														
2264	14	15.1745	11.9068														
2265	14	19.0245	11.1884														

Nos. 2236, 2237, and 2252 are measured on plates 807 and 1653.

1 réseau interval represents very nearly  $5'' = 45^{\circ}.6$  of R.A. for  $y = 2$  (Dec. + 64°), and =  $47^{\circ}.3$  for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

B. D.					B. D.					B. D.							
No.	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .				
No.					No.					No.							
Mag.					Mag.					Mag.							
R.A. 6 <sup>h</sup> 36 <sup>m</sup> to 6 <sup>h</sup> 45 <sup>m</sup>					R.A. 6 <sup>h</sup> 45 <sup>m</sup> to 6 <sup>h</sup> 54 <sup>m</sup>					R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>							
Centre R.A. 6 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°					Centre R.A. 6 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°					Plate 1774—contd.							
Plate 1654. 1893, Dec. 1.					Plate 1654. 1893, Dec. 1.												
2365	18†	3.8830	2.3554	64° 601	9.5	2416	22*	25.0645	2.7314	°	2468	16	13.4362	3.9657	°		
2366	14*	5.3241	2.7091			2417	40	20.4392	3.6092	64 611	9.3	2469	42§	13.4944	3.8885	64 622	9.0
2367	23	4.3710	3.7344			2418	85§	24.8154	3.2590	64 613	9.0	2470	14	5.1104	4.9631		
2368	46§	13.4596	3.2694	64 606	9.5	2419	22	19.9919	4.7582			2471	10	6.2716	4.4617		
2369	20*	3.7274	4.3991			2420	26	20.6587	4.7527			2472	42§	10.3856	4.3975	64 619	9.3
2370	42§	8.1900	4.2090			2421	36§	18.6702	5.8488			2473	14	13.2099	4.0600		
2371	42§	8.3520	4.9484			2422	27†	24.8246	5.0975			2474	21	3.3658	5.6931		
2372	14	10.4963	4.7114			2423	14*	18.0667	6.1833			2475	15*	4.7930	5.9601		
2373	10*	5.2360	5.6765			2424	25	22.0396	6.7207			2476	12	9.1784	5.6857		
2374	32	7.6907	5.2767			2425	6*	14.3012	7.5110			2477	12	10.8718	5.8589		
2375	10*	8.4421	5.8910			2426	10	16.7411	7.5496			2478	34§	11.1450	5.0693	64 620	9.3
2376	28	9.1517	5.2270			2427	28	20.1280	7.8624			2479	34§	7.0006	6.8728		
2377	52§	11.3065	5.1081	64 604	9.3	2428	14	14.7334	8.6497			2480	12	8.2742	6.5168		
2378	22	13.6976	5.7376			2429	36§	16.2641	8.5423			2481	14	11.7148	6.7488		
2379	28	4.4665	6.0269			2430	8	16.8529	8.0011			2482	42§	12.2353	6.0594	64 621	9.1
2380	24	5.4674	6.6015			2431	16	17.6199	8.5381			2483	38§	3.9559	7.7778	64 615	9.5
2381	14	6.1169	6.5547			2432	30	19.3051	8.3582			2484	6†	6.0216	7.5534		
2382	16	7.6335	6.4418			2433	12	20.0968	8.5145			2485	8	8.9364	7.3373		
2383	12*	9.6387	6.5570			2434	8†	21.5203	8.4281			2486	6	9.6021	7.8205		
2384	42§	10.0539	6.4672			2435	12†	24.2331	8.9171			2487	48§	6.2337	8.7722	64 616	8.2
2385	14*	6.1655	7.5230			2436	12*	24.2307	8.7077			2488	32§	6.2589	8.5956		
2386	24	7.2634	7.7615			2437	24	15.1242	9.8179	64 607	9.5	2489	8	6.3992	8.0081		
2387	14	7.9869	7.2098			2438	44§	17.5260	9.6171	64 608	8.7	2490	12	7.4574	8.7579		
2388	12	9.1013	7.1360			2439	24	20.2359	9.1501			2491	58§	9.0578	8.1861	64 618	8.3
2389	78§	9.3899	7.4467	64 603	8.3	2440	28	20.7504	9.1982			2492	8	13.1938	8.5109		
2390	16	9.4916	7.3616			2441	14	14.6650	10.9103			2493	16	4.2025	9.3614		
2391	22	11.1740	7.4646			2442	52§	19.1165	10.7375	64 609	8.3	2494	12	4.4252	9.3569		
2392	10*	4.9691	8.5114			2443	12	21.9489	10.8970			2495	8*	5.3379	9.2820		
2393	26	6.0582	8.8004			2444	12*	25.0134	10.8655			2496	8*	5.5863	9.0200		
2394	38§	7.2216	8.5733			2445	8	14.4155	11.0031			2497	32§	5.6747	9.0948		
2395	10	8.3753	8.5527			2446	8	14.5416	11.6405			2498	20	6.6158	9.1240		
2396	28	8.1592	9.5408			2447	28	15.8454	11.6784			2499	10	6.8135	9.0731		
2397	8	9.6200	9.5648			2448	6	19.3192	11.5319			2500	16	8.2036	9.0719		
2398	20	9.8204	9.4876			2449	12	20.2154	11.4192			2501	12	13.3948	9.1242		
2399	26	13.3896	9.8060	64 605	9.5	2450	40§	20.2720	11.3091	64 610	9.0	2502	36§	2.9168	10.1650	64 614	9.5
2400	18	3.5284	10.7582			2451	40§	23.4832	11.4783	64 612	9.5	2503	8	4.7429	10.8602		
2401	20	8.0525	10.3118			2452	30	24.1795	11.0730			2504	28	4.9142	10.0083		
2402	12	9.3041	10.4539			2453	10	14.7749	12.2729			2505	12	9.0668	10.0096		
2403	42§	13.1985	10.0807			2454	10	14.7791	12.0853			2506	10	11.4308	10.4807		
2404	10	13.4815	10.9424			2455	10	15.7421	12.9278			2507	5†	13.8443	10.1104		
2405	26	7.1125	11.9568			2456	14	17.6080	12.0598			2508	14	4.6970	11.9205		
2406	34	9.8538	11.9513			2457	5	17.8790	12.5361			2509	8	6.4642	11.5629		
2407	16	12.8547	11.0082			2458	10	16.1151	13.4939			2510	44§	7.3115	11.0246	64 617	9.2
2408	12	13.0069	11.1400			2459	12	16.3018	13.6087			2511	6	7.6001	11.6724		
2409	14	13.6917	11.3313			2460	34§	21.0069	13.0665			2512	28	8.4038	11.8340		
2410	46§	6.2602	12.3777	64 602	8.5	2461	8	21.6547	13.2921			2513	10	9.5853	11.4178		
2411	22	10.5841	12.0772			2462	28	23.1752	13.1188			2514	8†	9.6199	11.8244		
2412	46§	6.9347	13.6557	65 543	9.1	2463	18	23.6660	13.0500			2515	6	12.2867	11.0078		
2413	10	11.0110	13.5814			2464	14	24.7141	13.2492			2516	20	6.2872	12.9643		
2414	14	11.7598	13.9566									2517	8	8.8370	12.8200		
2415	6*	13.2917	13.3691									2518	40§	11.7778	12.8195	65 557	9.5
R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>					R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>					R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°							
Plate 1774. 1894, Feb. 4.					Plate 1774. 1894, Feb. 4.					Plate 1774. 1894, Feb. 4.							
2465	16	10.5959	2.1673	°	m.	2465	16	10.5959	2.1673	°	m.	2465	16	10.5959	2.1673	°	m.
2466	32	5.9436	3.0451			2466	32	5.9436	3.0451			2466	32	5.9436	3.0451		
2467	26	11.2047	3.8281			2467	26	11.2047	3.8281			2467	26	11.2047	3.8281		
R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>					R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>					R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°							
Plate 1774. 1894, Feb. 4.					Plate 1774. 1894, Feb. 4.					Plate 1774. 1894, Feb. 4.							
2468	16	13.4362	3.9657	°	m.	2468	16	13.4362	3.9657	°	m.	2468	16	13.4362	3.9657	°	m.
2469	42§	13.4944	3.8885	64 622	9.0	2469	42§	13.4944	3.8885	64 622	9.0	2469	42§	13.4944	3.8885	64 622	9.0
2470	14	5.1104	4.9631			2470	14	5.1104	4.9631			2470	14	5.1104	4.9631		
2471	10	6.2716	4.4617			2471	10	6.2716	4.4617			2471	10	6.2716	4.4617		
2472	42§	10.3856	4.3975	64 619	9.3	2472	42§	10.3856	4.3975	64 619	9.3	2472	42§	10.3856	4.3975	64 619	9.3
2473	14	13.2099	4.0600			2473	14	13.2099	4.0600			2473	14	13.2099	4.0600		
2474	21	3.3658	5.6931			2474	21	3.3658	5.6931			2474	21	3.3658	5.6931		
2475	15*	4.7930	5.9601			2475	15*	4.7930	5.9601			2475	15*	4.7930	5.9601		
2476	12	9.1784	5.6857			2476	12	9.1784	5.6857			2476	12	9.1784	5.6857		
2477	12	10.8718	5.8589			2477	12	10.8718	5.8589								

## ZONE + 64°.

B. D.					B. D.					B. D.					
No.	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .		
No.					No.					No.					
Mag.					Mag.					Mag.					
R.A. 7 <sup>h</sup> 3 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup>					R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 21 <sup>m</sup>					R.A. 7 <sup>h</sup> 21 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup>					
Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Plate 2425—contd.					Plate 2425—contd.					
Plate 1774. 1894, Feb. 4.															
2524	48§	15°97'21	2°37'27	64° 623	9°1	2576	20	4°31'20	6°20'72		2625	24	25°03'75	10°32'83	
2525	12*	16°03'05	2°06'95			2577	30	12°46'79	6°13'94		2626	8	15°22'53	11°45'63	
2526	14	16°38'39	2°59'06			2578	32	4°89'39	8°00'26		2627	46§	15°52'06	11°60'64	64 636
2527	20	18°17'89	2°28'92			2579	48§	8°00'81	8°14'06	64 631	2628	16	24°11'50	11°37'26	8°7
2528	30	23°16'44	2°56'55			2580	24	13°15'18	8°58'30		2629	16	14°56'53	12°50'72	
2529	12	14°77'36	3°64'38			2581	6	13°50'16	8°85'55		2630	8	16°36'42	12°22'90	
2530	14	16°12'75	3°85'90			2582	12	5°55'09	9°54'16		2631	22	16°37'48	12°21'04	
2531	12*	18°84'50	3°15'03			2583	6†	10°02'51	9°77'64		2632	18	22°51'43	12°64'01	
2532	8	17°02'31	4°49'67			2584	12	5°20'48	10°03'34		2633	48§	22°79'58	12°25'27	64 640
2533	20	20°08'18	4°16'55			2585	12	6°45'91	10°44'26		2634	56§	25°66'91	12°88'49	64 643
2534	48§	21°40'76	4°98'09			2586	38§	7°19'30	10°56'87		2635	10	14°11'50	13°65'28	9°0
2535	26	17°23'90	5°77'31			2587	8	7°87'47	10°63'38		2636	14	21°20'20	13°69'82	
2536	12*	18°85'39	5°03'89			2588	8	9°35'02	10°83'92		2637	11	23°78'87	13°77'72	
2537	28	21°15'14	5°29'71	64 626	9°3	2589	14	9°86'52	10°64'18						
2538	62§	22°88'63	5°58'20	64 628	8°0	2590	18	11°19'84	10°37'32			32	18°24'99	0°81'30	63 717
2539	43	25°37'05	5°10'20	64 629	9°4	2591	12	5°17'69	11°64'21						
2540	42§	17°44'59	6°47'84	64 624	9°4	2592	10	5°51'92	11°99'26						
2541	14	16°55'05	7°12'21			2593	26	6°66'70	11°61'43						
2542	36§	19°97'39	7°95'84	64 625	9°3	2594	8	9°07'15	11°17'42						
2543	24*	25°11'79	7°30'87			2595	16	11°39'63	11°58'36						
2544	22	21°24'78	8°23'48			2596	48§	11°70'32	11°25'28	64 632					
2545	8	23°00'59	8°16'84			2560	22	3°06'69	12°73'51		2638	8	13°35'62	2°12'62	
2546	14	15°68'94	9°74'36			2597	30	7°48'06	12°86'88		2639	16	3°34'56	3°76'03	
2547	8	18°89'41	9°56'26			2598	8	9°78'76	12°32'69		2640	20	8°80'87	3°13'22	
2548	18	20°66'84	9°81'72			2599	8	13°92'14	12°40'73		2641	18	9°36'43	3°67'72	
2549	8	20°91'23	9°54'02			2600	8	7°12'34	13°41'18		2642	10	9°50'36	3°67'51	
2550	12	21°86'30	9°53'83			2601	8	7°49'41	13°10'48		2643	18	12°16'44	3°31'01	
2551	22	17°53'95	10°35'21			2602	8	10°21'07	13°21'95		2644	12	6°55'44	5°88'87	
2552	26	18°32'14	10°59'05			2603	8	11°52'17	13°02'96		2645	20	7°13'27	5°46'98	
2553	12	22°81'73	10°88'92				36	1°91'48	4°93'99	64 629	2646	10	9°43'51	5°80'05	
2554	26	24°05'97	10°82'75								2647	34§	11°61'85	5°75'61	64 648
2555	8	15°06'79	11°61'31								2648	40§	12°53'00	5°43'71	
2556	28	22°62'79	11°57'42	64 627	9°5						2649	63§	12°53'59	5°41'98	64 649
2557	24	14°47'84	12°92'08								2650	20§	12°54'09	5°38'21	
2558	16	18°07'35	12°36'62								2651	20	13°44'45	5°44'07	
2559	10	20°36'62	12°85'79								2652	36§	6°41'77	6°59'18	64 645
2560	22	25°94'54	12°96'29								2653	24§	7°85'03	6°52'00	
2561	24	16°92'86	13°43'81								2654	12	9°85'50	6°43'13	
2562	72§	18°32'23	13°35'80	65 562	7°0						2655	6	9°91'49	6°20'07	
2563	36§	19°25'29	13°00'83								2656	12	10°82'49	6°27'71	
2564	24	23°41'60	13°85'83								2657	10	11°93'41	6°18'98	
2565	44§	23°42'36	13°50'15	65 565	9°0						2658	6	2°89'20	7°17'02	
R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 21 <sup>m</sup>					R.A. 7 <sup>h</sup> 21 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup>					R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 39 <sup>m</sup>					
Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°					
Plate 2425. 1895, Feb. 25.					Plate 2425. 1895, Feb. 25.					Plate 849. 1893, March 17.					
2566	84§	11°87'02	2°65'16	64° 633	7°7	2604	29	21°72'42	2°91'56		2638	8	13°35'62	2°12'62	
2567	26	12°41'81	2°69'94	64 634	9°4	2605	18	14°13'26	3°95'36		2639	16	3°34'56	3°76'03	
2568	12	5°19'77	3°46'45			2606	23	16°26'63	3°15'16		2640	20	8°80'87	3°13'22	
2569	34	11°89'12	3°10'06			2607	48§	15°48'36	4°93'29	64 637	2641	18	9°36'43	3°67'72	
2570	8	11°54'37	4°69'19			2608	8	17°03'23	4°99'74		2642	10	9°50'36	3°67'51	
2571	10†	3°07'54	5°83'00			2609	43	21°37'37	4°70'27	64 639	2643	18	12°16'44	3°31'01	
2572	84§	5°94'21	5°90'24	64 630	7°5	2610	37	24°72'03	4°08'41	64 641	2644	12	6°55'44	5°88'87	
2573	14	7°80'38	5°59'17			2611	8	16°66'60	5°55'65		2645	20	7°13'27	5°46'98	
2574	22	8°49'39	5°59'08			2612	10	15°61'99	6°38'07		2646	10	9°43'51	5°80'05	
2575	10	11°64'21	5°13'35			2613	28	17°94'27	7°95'18	64 638	2647	34§	11°61'85	5°75'61	64 648
						2614	24	21°32'51	7°22'57		2648	40§	12°53'00	5°43'71	
						2615	20	17°16'79	8°83'06		2649	63§	12°53'59	5°41'98	64 649
						2616	8	17°44'23	8°35'65		2650	20§	12°54'09	5°38'21	
						2617	8	18°63'38	8°36'83		2651	20	13°44'45	5°44'07	
						2618	8	14°57'53	9°37'52		2652	36§	6°41'77	6°59'18	64 645
						2619	14	16°68'51	9°57'53		2653	24§	7°85'03	6°52'00	
						2620	21	23°57'68	9°30'77		2654	12	9°85'50	6°43'13	
						2621	8	14°23'07	10°72'48		2655	6	9°91'49	6°20'07	
						2622	10	16°64'02	10°27'59		2656	12	10°82'49	6°27'71	
						2623	28	16°81'44	10°15'61		2657	10	11°93'41	6°18'98	
						2624	6	18°58'97	10°02'86		2658	6	2°89'20	7°17'02	
											2659	16	6°43'55	7°86'31	
											2660	10†	7°40'90	7°93'54	
											2661	16	10°81'98	7°79'98	
											2662	14	12°15'99	7°53'02	
											2663	30	13°68'13	7°18'03	64 650
											2664	8	13°70'79	7°96'53	
											2665	8	8°45'92	8°44'94	
											2666	8	13°22'49	8°41'02	
											2667	16	4°73'88	9°43'00	
											2668	8	5°17'73	9°64'14	
											2669	24	5°48'99	9°99'88	
											2670	12	13°98'98	9°70'88	
											2671	17	2°02'51	10°39'84	
											2672	36§	4°94'37	10°20'56	64 644
											2673	8	9°44'44	10°98'93	9°5
												12	4°69'40	11°28'47	

No. 2560 is measured on plates 1774 and 2425.

Nos. 2625 and 2634 are measured on plates 2425 and 849.

1 réseau interval represents very nearly 5' = 45°.6 of R. A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14</$



ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	x.	y.		No.	Diam.	x.	y.		No.	Diam.	x.	y.	
No.		Mag.			No.		Mag.			No.		Mag.		
R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 39 <sup>m</sup> Plate 849—contd.					R.A. 7 <sup>h</sup> 39 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup> Plate 849—contd.					R.A. 7 <sup>h</sup> 57 <sup>m</sup> to 8 <sup>h</sup> 6 <sup>m</sup> Plate 850—contd.				
2674	8	6.6476	11.3966	°	2721	20	18.7051	13.7153	°	2762	4	16.7260	13.3218	°
2675	268	9.2855	11.7488		2722	13	24.3880	13.2444		2763	16	16.7917	13.8642	
2634	408	2.8211	12.9047	64 643						2764	20	17.0612	13.5297	
2676	8*	4.4751	12.4355			39	26.6422	9.2488	64 661	2765	14	25.0077	13.5226	65 619
2677	10	10.0651	12.9928			35	26.1443	4.8458	64 659					9.5
2678	9	10.5662	12.5261		R.A. 7 <sup>h</sup> 48 <sup>m</sup> to 7 <sup>h</sup> 57 <sup>m</sup> Centre R.A. 7 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 850. 1893, March 17.					R.A. 8 <sup>h</sup> 6 <sup>m</sup> to 8 <sup>h</sup> 15 <sup>m</sup> Centre R.A. 8 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2495. 1895, March 28.				
2679	268	12.7550	12.2996											
2680	16	4.0775	13.0603											
2681	12	4.8276	13.3053											
2682	8	5.6760	13.2656											
2683	468	10.6986	13.3706	65 591										
R.A. 7 <sup>h</sup> 39 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup> Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 849. 1893, March 17.					2684	24	2.2212	2.2103	64 658	2766	8	2.4867	2.6121	°
2684	35	25.9544	2.4460	64 658	2723	18	5.9126	2.4274		2767	718	4.1428	2.4262	64 674
2685	16	14.3337	3.7612		2724	10	5.3816	3.6128		2768	24	6.3592	2.4676	
2686	8	16.9694	3.3997		2725	22	2.5806	4.5959	64 659	2769	448	8.3914	2.1940	64 677
2687	12	17.1745	3.2986		2726	6†	6.7349	4.1871		2770	468	9.0851	2.4996	64 678
2688	20	17.7749	3.8470		2727	10	7.4644	4.1707		2771	6	9.0851	2.8857	
2689	21	19.1990	3.6992		2728	16	11.3665	4.9077	64 666	2772	20	10.1555	2.8873	
2690	8*	21.0755	3.8888		2729	16	3.6051	5.6600		2773	268	10.7147	2.1185	64 680
2691	20	23.5839	3.5561	64 656	2730	248	10.8182	5.6194	64 665	2774	13	2.7987	3.7913	
2692	408	18.7255	4.2759	64 655	2731	4†	12.7847	5.5977		2775	5	4.7616	3.9211	
2693	8*	25.2338	4.7603		2732	22	3.1680	6.2025	64 660	2776	22	7.0857	3.7198	
2694	8	15.4077	5.6403		2733	268	12.2296	6.1313	64 667	2777	20	10.7206	3.2829	
2695	8	19.9420	5.2197		2734	22	3.3885	8.9490	64 661	2746	25	2.3478	4.8075	
2696	22	20.4277	5.0256		2735	8	5.6639	8.3790		2778	9	2.0684	5.6153	
2697	448	18.1488	6.0728	64 654	2736	18	5.7756	8.0401	64 663	2779	18	6.2556	5.4651	
2698	14	21.7364	6.8376		2737	8	9.5192	8.2793		2780	8	13.7752	5.0790	
2699	20	16.4252	7.2406	64 652	2738	6	3.1843	11.6207		2781	18	3.2005	6.5728	
2700	24	17.6096	7.7773	64 653	2739	14	3.4247	11.6090		2782	328	5.3323	6.9706	64 675
2701	22	20.7643	7.5483		2740	8	5.2850	11.2690		2783	6	7.0887	6.8463	
2702	20	14.3126	8.5932		2741	6	8.7727	11.5907	64 664	2784	8	7.5218	6.7903	
2703	368	17.6453	8.6374		2742	20	4.6639	12.0632	64 662	2785	4	7.7385	6.6339	
2704	12	24.6066	8.7458		2743	16	6.0642	12.0841		2786	248	9.2899	6.9548	
2705	468	15.0243	9.3223	64 651	2744	8	7.3519	13.3355		2787	288	10.4275	6.8048	64 679
2706	18	15.8969	9.7272		R.A. 7 <sup>h</sup> 57 <sup>m</sup> to 8 <sup>h</sup> 6 <sup>m</sup> Centre R.A. 7 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 850. 1893, March 17.					2788	12	3.6709	7.3523	
2707	14	19.3870	9.1279		2745	16	19.2400	4.8029	°	2789	10	4.2536	7.9253	
2708	14	23.1323	9.5497		2746	16†	25.8929	4.8975		2790	20	4.3909	7.1568	
2709	10	24.1648	9.8695		2747	20	18.7436	5.1429	64 671	2791	16	6.5183	7.8158	
2710	12	15.6303	10.6546		2748	8	20.6277	5.3163		2792	14	9.2215	7.9445	
2711	16	18.6092	10.1146		2749	20	15.6986	6.2941	64 669	2793	4	9.9592	7.8695	
2712	18	17.2923	11.4090		2750	12	18.2615	6.0096		2794	12	10.4807	7.2684	
2713	288	17.7094	11.4243		2751	308	23.5168	6.0876	64 672	2795	4	10.5517	7.4057	
2714	14	18.0960	11.3954		2752	8	22.4122	7.0937		2796	4	11.6865	7.6005	
2715	12	21.2577	11.6823		2753	28	24.7046	7.5944	64 673	2797	12	12.3400	7.2941	
2716	18	18.8354	12.8776		2754	16	18.0326	8.6182		2798	8	5.6827	8.5216	
2717	12	20.7603	12.9386		2755	8	14.8318	9.8301		2799	18	5.8864	8.5352	
2718	24	14.1152	13.8559		2756	16	15.5047	9.3912	64 668	2800	4	8.7666	8.0617	
2719	8*	17.8537	13.4579		2757	14	16.2458	9.9252		2801	18	10.6231	8.9229	
2720	34	18.0281	13.3250	65 597	2758	288	17.2300	9.3553	64 670	2802	8	12.5757	8.0828	
					2759	8	23.8589	10.8220		2803	14	13.4207	8.3056	
					2760	10	20.6573	12.7586		2804	14	2.7093	9.8950	
					2761	8	15.6539	12.7380		2805	8	12.3597	9.4490	
										2806	4	5.1970	10.1752	
										2807	14	10.5749	10.0228	
										2808	14	11.9171	10.8879	
										2809	12	4.5475	11.8194	
										2810	12	10.4277	11.9771	
										2811	4	10.7117	11.4712	
										2812	188	11.8143	11.4909	

No. 2684 is measured on plates 849 and 850.

Nos. 2746 and 2765 are measured on plates 850 and 2495.

1 réseau interval represents very nearly  $\zeta' = 45^{\text{s}.6}$  of R.A. for  $y = 2$  (Dec. +  $64^{\circ}$ ), and  $= 47^{\text{s}.3}$  for  $y = 14$  (Dec. +  $65^{\circ}$ ).



## ZONE + 64°.

R.A. 8 <sup>h</sup> 6 <sup>m</sup> to 8 <sup>h</sup> 15 <sup>m</sup>						R.A. 8 <sup>h</sup> 15 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup>						R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 33 <sup>m</sup>					
Plate 2495—contd.						Plate 2495—contd.						Plate 3041—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
2813	8	12°33'26"	11°13'60"		m.	2864	16	21°37'78"	8°39'55"		m.	2913	14	9°58'62"	4°05'59"		m.
2814	16	3°47'92"	12°87'63"			2865	6	14°22'59"	9°35'86"			2914	42§	11°00'14"	4°10'44"	64 697	9'1
2815	4	3°94'10"	12°69'94"			2866	6	14°47'30"	9°94'12"			2915	18	13°40'64"	4°96'38"		
2816	46§	4°98'84"	12°74'96"	65 622	8'5	2867	8	16°57'55"	9°26'59"			2916	10	13°41'98"	4°23'66"		
2817	8	5°79'09"	12°20'39"			2868	10	16°91'97"	9°53'42"			2917	10*	3°42'04"	5°44'56"		
2818	8	10°63'69"	12°73'51"			2869	24§	17°79'50"	9°58'43"			2918	26§	4°95'59"	5°65'57"		
2819	4†	11°25'88"	12°19'23"			2870	8	18°89'35"	9°44'01"			2919	28§	5°85'51"	5°99'76"	64 692	9'4
2765	24§	2°12'56"	13°47'69"	65 619	9'5	2871	18	22°39'58"	9°33'36"			2920	14	6°09'50"	5°40'21"		
2820	12	2°28'68"	13°45'50"			2872	7	22°94'73"	9°68'18"			2921	34§	6°36'87"	5°60'67"	64 693	9'3
2821	14	2°91'34"	13°17'04"			2873	17	23°34'13"	9°80'55"			2922	8	6°47'55"	5°14'05"		
2822	22§	3°35'33"	13°87'93"			2874	7†	23°38'30"	9°31'85"			2923	8	7°45'55"	5°74'58"		
2823	20§	4°72'63"	13°86'70"			2875	18	17°14'10"	10°99'72"			2924	10*	8°38'22"	5°83'58"		
2824	14	4°97'07"	13°63'17"			2876	24§	18°68'17"	10°63'96"			2925	28§	8°81'24"	5°76'86"		
2825	6	5°59'63"	13°82'73"			2877	10	19°86'55"	10°80'87"			2926	10	9°08'25"	5°94'53"		
2826	4	6°82'14"	13°32'63"			2878	16	19°95'07"	10°28'77"			2927	16	9°68'41"	5°88'78"		
2827	20§	10°08'64"	13°29'43"			2879	10	21°39'02"	10°68'46"			2928	12	9°84'59"	5°84'25"		
2828	4	10°25'05"	13°12'94"			2880	8	21°76'13"	10°45'09"			2929	10	10°42'11"	5°48'42"		
2829	4	11°31'71"	13°81'30"			2881	19	23°74'59"	10°45'22"			2930	12	10°72'13"	5°62'47"		
2830	8	11°40'47"	13°46'33"			2882	14	18°45'35"	11°85'22"			2931	24§	12°85'27"	5°20'93"		
2831	22§	11°99'59"	13°94'03"	65 627	9'5	2883	12	18°61'52"	11°45'26"			2932	8	13°36'34"	5°91'47"		
2832	4	12°47'48"	13°69'12"			2884	28§	19°15'20"	11°50'50"			2933	21	3°28'69"	6°48'31"		
2833	10	12°62'43"	13°34'28"			2885	6	20°77'56"	11°17'87"			2934	10*	3°40'28"	6°06'23"		
R.A. 8 <sup>h</sup> 15 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup>						2886	8	21°92'84"	11°02'45"			2935	38§	4°17'41"	6°94'00"	64 690	9'5
Centre R.A. 8 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°						2887	10	22°45'48"	11°85'06"			2936	18§	11°21'83"	6°18'32"		
Plate 2495. 1895, March 28.						2888	8	24°67'16"	11°10'68"			2937	8	11°43'84"	6°20'80"		
2834	10	15°02'27"	2°94'22"		m.	2889	14	24°71'67"	11°44'20"			2938	8	13°75'62"	6°91'37"		
2835	14	16°54'75"	2°33'86"			2890	6	14°93'60"	12°94'37"			2939	28§	3°41'60"	7°48'33"		
2836	13	17°95'50"	2°95'00"			2891	6†	15°14'53"	12°38'93"			2940	4*	5°05'91"	7°35'26"		
2837	22	20°34'71"	2°09'59"			2892	16	16°95'50"	12°73'78"			2941	8	6°40'42"	7°39'14"		
2838	22	23°14'32"	2°02'75"			2893	20§	17°73'42"	12°94'10"			2942	6	6°51'09"	7°52'70"		
2839	8	14°42'51"	3°03'60"			2894	26§	20°66'30"	12°57'96"			2943	8	7°30'95"	7°50'00"		
2840	4	14°98'45"	3°96'09"			2895	10	24°25'19"	12°31'40"			2944	20	7°57'86"	7°44'63"		
2841	9	22°19'40"	3°81'41"			2896	5*	25°49'03"	12°84'40"	64 689	9'4	2945	16	8°12'82"	7°25'37"		
2842	32	24°72'03"	3°98'97"	64 685	9'4	2897	22	25°75'85"	12°42'39"			2946	20§	9°19'54"	7°13'97"		
2843	10	14°49'54"	4°29'97"			2898	18	21°29'70"	13°40'69"			2947	12	9°47'59"	7°17'53"		
2844	12	16°27'42"	4°79'86"			2899	6	21°71'01"	13°10'57"			2948	16	10°71'84"	7°92'42"		
2845	18	17°11'96"	4°23'15"									2949	10	11°95'11"	7°77'60"		
2846	17	19°33'99"	4°59'60"				55	24°99'10"	1°41'46"	64 686	9'1	2950	8*	11°91'56"	7°52'38"		
2847	22	19°86'67"	4°78'65"				67	25°79'84"	1°22'14"	64 688	8'4	2951	8	13°42'35"	7°92'12"		
2848	16	20°41'29"	4°01'43"			R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 33 <sup>m</sup>						2952	12	4°39'26"	8°96'04"		
2849	45§	25°15'09"	4°68'09"	64 687	9'0	Centre R.A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°						2953	12	6°60'12"	8°65'09"		
2850	24§	17°21'59"	5°42'35"	64 682	9'5	Plate 3041. 1896, March 23.						2954	12	7°65'74"	8°24'30"		
2851	40§	19°81'54"	5°21'04"	64 683	8'8	2900	23	2°67'01"	1°99'13"		m.	2955	12	10°38'51"	8°19'79"		
2852	10	19°83'97"	6°23'51"			2901	15	4°09'70"	2°51'06"			2956	14	10°78'22"	8°62'97"		
2853	8	20°18'13"	6°62'82"			2902	24	6°44'16"	3°69'90"			2957	8	11°26'47"	8°73'39"		
2854	13	23°13'78"	6°30'22"			2903	7	7°55'56"	3°36'14"			2958	18§	12°68'23"	8°95'66"		
2855	27	24°35'03"	6°84'86"			2904	10	8°54'04"	3°63'45"			2959	12	3°35'15"	9°53'22"		
2856	36§	15°22'59"	7°59'05"	64 681	8'3	2905	10	9°62'21"	3°91'72"			2960	20§	4°40'21"	9°06'81"		
2857	32§	15°24'93"	7°65'10"			2906	10	10°74'46"	3°84'00"			2961	10	5°88'27"	9°22'66"		
2858	8	20°03'80"	7°27'25"			2907	12	12°38'73"	3°45'88"			2962	10	6°39'78"	9°21'69"		
2859	14	21°22'70"	7°46'57"			2908	40§	12°44'19"	3°51'53"	64 699	9'3	2963	8	7°94'68"	9°74'60"		
2860	23§	21°92'99"	7°72'63"	64 684	9'4	2909	38§	13°51'35"	3°95'51"	64 701	9'4	2964	12	9°29'29"	9°53'42"		
2861	6	16°39'46"	8°18'80"			2910	9†	5°03'98"	4°08'82"			2965	12	11°17'18"	9°82'67"		
2862	18	16°58'36"	8°40'09"			2911	14	6°36'04"	4°76'86"			2966	14	13°94'73"	9°82'55"		
2863	6	19°84'82"	8°39'41"			2912	8	8°26'19"	4°64'22"			2967	20	3°12'55"	10°80'92"		
												2968	8	5°93'83"	10°11'55"		
												2969	12	6°61'14"	10°49'62"		
												2970	36§	7°29'33"	10°93'42"	64 694	9'5
												2971	18	8°17'78"	10°80'34"		

Nos. 2896 and 2897 are measured on plates 2495 and 3041.

1 réseau interval represents very nearly 5' = 45°6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°3 for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

R. A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 33 <sup>m</sup> Plate 3041—contd.						R. A. 8 <sup>h</sup> 33 <sup>m</sup> to 8 <sup>h</sup> 42 <sup>m</sup> Plate 3041—contd.						R. A. 8 <sup>h</sup> 42 <sup>m</sup> to 8 <sup>h</sup> 51 <sup>m</sup> Plate 852—contd.					
No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
2972	24§	9°25'29	10°04'94		m.	3016	6	18°54'96	9°77'60		m.	3065	30§	9°25'45	9°50'86		m.
2973	20	9°25'65	10°07'27			3017	22§	23°66'24	9°51'93			3066	10	10°81'31	9°05'34		
2974	10	9°29'83	10°73'12			3018	6†	23°92'19	9°49'48			3067	24	11°59'87	9°29'88		
2975	24§	11°61'59	10°89'71			3019	20§	24°30'45	9°85'83			3068	16	12°38'12	9°87'42		
2976	124§	12°02'39	10°04'29	64 698	4.7	3020	76§	24°36'61	9°75'69	64 707	7.0	3069	10	12°70'36	9°82'88		
2977	10	8°06'4	11°28'35			3021	8	16°55'68	10°82'55			3031	38§	2°14'59	10°20'86	64 708	9.2
2978	6	9°15'61	11°83'70			3022	14	18°39'57	10°36'56			3070	26	4°95'65	10°87'95		
2979	18	10°09'22	11°65'09			3023	8	20°22'64	10°58'49			3071	8	10°72'12	10°56'12		
2896	10	2°48'76	12°74'75			3024	12	20°85'10	10°17'19			3072	32§	12°04'63	10°29'85	64 714	9.0
2897	24	2°72'52	12°31'19	64 689	9.4	3025	46§	21°16'89	10°89'38	64 705	8.6	3073	48§	3°51'35	11°57'95	64 710	8.5
2980	4	3°81'24	12°68'31			3026	14	21°18'73	10°88'07			3074	14	6°20'66	11°57'32		
2981	6†	3°83'66	12°81'86			3027	30§	21°33'78	10°16'29	64 706	9.5	3075	28§	11°35'35	11°48'00		
2982	6	7°33'95	12°13'25			3028	7†	22°97'47	10°28'49			3076	28	6°61'36	12°24'14	65 668	9.3
2983	16	10°63'69	12°87'49			3029	10	23°46'34	10°11'32			3077	10	7°88'14	13°56'00	65 673	6.0
2984	34§	11°91'96	12°96'16	65 645	9.1	3030	7	24°68'88	10°50'37			3078	94§	10°35'88	13°81'04	65 673	6.0
2985	10	3°37'99	13°54'62			3031	39§	25°13'32	10°26'55	64 708	9.2						
2986	8	8°04'29	13°10'74			3032	8	14°06'91	11°76'85				59	1°34'31	9°75'83	64 707	7.0
2987	20§	8°31'80	13°74'14			3033	18	23°61'02	11°73'58			R. A. 8 <sup>h</sup> 51 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> Centre R. A. 8 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 852. 1893, March 17.					
2988	6	11°78'99	13°30'57			3034	18	23°82'51	11°95'77			3079	8	19°40'40	2°07'37	°	m.
	44	1°23'23	1°37'97	64 686	9.1	3035	14	15°95'18	12°64'19			3080	16	20°97'43	2°66'12		
	52	2°02'39	1°13'59	64 688	8.4	3036	10	16°91'30	12°88'72			3081	21	22°01'82	2°57'62		
	58	4°15'75	1°52'06	64 691	8.3	3037	10	17°76'48	12°50'09			3082	25	24°40'33	3°57'33	64 719	9.5
	26	1°13'51	3°96'50	64 685	9.4	3038	34§	18°15'79	12°26'11	65 653	9.0	3083	27	25°22'74	3°01'96	64 720	9.5
	39	1°60'67	4°62'83	64 687	9.0	3039	36§	18°16'83	12°16'19			3084	24	14°04'10	4°51'49		
R. A. 8 <sup>h</sup> 33 <sup>m</sup> to 8 <sup>h</sup> 42 <sup>m</sup> Centre R. A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 3041. 1896, March 23.						3040	14	19°57'13	12°60'90			3085	26	14°66'20	4°23'01		
2989	10	14°98'66	2°56'56	°	m.	3041	10	20°78'13	12°31'40			3086	11	22°33'12	4°20'48		
2990	22§	15°15'24	2°21'65			3042	6	24°84'07	12°54'18			3087	26§	15°23'89	5°59'23		
2991	8	16°37'85	3°09'74			3043	5*	19°15'79	13°70'68			3088	8	14°93'87	6°20'32		
2992	20	17°38'91	3°25'40			3044	26§	21°35'03	13°40'27			3089	12	19°43'57	6°97'41		
2993	12†	18°13'28	3°94'88			3045	6†	24°55'68	13°57'49			3090	9	20°75'80	6°40'50		
2994	6	18°59'24	3°95'80				50	26°39'56	11°73'63	64 710	8.5	3091	21	24°78'55	6°11'99		
2995	8†	22°19'22	3°82'56			R. A. 8 <sup>h</sup> 42 <sup>m</sup> to 8 <sup>h</sup> 51 <sup>m</sup> Centre R. A. 8 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 852. 1893, March 17.						3092	48§	22°22'41	7°49'99	64 716	7.5
2996	38§	18°00'96	4°25'39	64 704	9.1	3046	40§	5°79'34	2°82'64	64 711	9.1	3093	10	16°86'17	8°22'83		
2997	18	18°44'30	4°97'34			3047	8	7°79'55	3°67'95			3094	8	18°98'52	9°80'85		
2998	9	23°71'50	4°82'21			3048	12	10°26'73	4°99'09			3095	16	18°61'94	10°99'86		
2999	12	14°73'13	5°95'51			3049	9	13°97'68	4°68'94			3096	8	19°99'57	10°55'81		
3000	29§	22°39'44	5°93'44			3050	36	2°73'92	5°88'42	64 709	9.2	3097	16	20°41'42	10°69'80		
3001	18	14°17'91	6°31'22	64 702	9.5	3051	16	11°51'40	5°01'98			3098	26	21°53'66	10°35'09		
3002	7	16°22'43	6°91'82			3052	20	13°12'19	5°16'83			3099	8	15°50'10	11°59'03		
3003	9†	25°85'81	6°17'37	64 709	9.2	3053	14	7°27'15	6°93'64			3100	8	17°44'80	11°62'02		
3004	26§	14°00'76	7°32'23			3054	10	7°94'61	6°20'68			3101	18	18°81'38	11°65'86		
3005	14	17°49'24	7°54'82			3055	20	8°07'67	6°70'96			3102	18	21°74'63	11°08'67		
3006	6	22°42'94	7°77'06			3056	32§	10°74'24	6°32'19			3103	42§	22°31'42	11°81'96	64 717	9.3
3007	7	24°08'38	7°12'99			3057	8	10°84'10	6°91'58			3104	15	25°36'77	11°93'99		
3008	24§	16°32'30	8°64'89	64 703	9.5	3058	28§	10°98'23	7°23'97	64 713	9.5	3105	8	14°09'23	12°85'42		
3009	28§	18°60'74	8°05'46			3059	8	8°68'85	8°14'64			3106	44§	17°15'36	12°21'33	65 679	8.5
3010	4	18°89'56	8°58'01			3060	8	13°10'77	8°61'86			3107	12	17°30'57	12°94'49		
3011	6	18°99'60	8°10'58			3061	26§	13°73'99	8°37'67	64 715	9.5	3108	6	20°59'10	12°65'11		
3012	12	21°88'28	8°48'73			3062	8	13°90'18	8°78'42			3109	8	16°20'99	13°06'67		
3013	7	22°34'72	8°10'45			3063	12	8°86'40	9°29'07			3110	20	16°22'94	13°18'08		
3014	12	23°56'70	8°81'48			3064	16	8°87'75	9°31'46			3111	14	18°02'90	13°22'41		
3015	8	18°44'74	9°15'72									3112	22	18°95'32	13°41'01	65 682	9.4
												3113	40§	25°31'33	13°72'64	65 691	9.0

Nos. 3003 and 3031 are measured on plates 3041 and 852.

Nos. 3104 and 3113 are measured on plates 852 and 853.

1 réseau interval represents very nearly  $5' = 45.86$  of R.A. for  $y = 2$  (Dec. + 64°), and =  $47.83$  for  $y = 14$  (Dec. + 65°).



## ZONE 64°.

R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 9 <sup>m</sup>					R.A. 9 <sup>h</sup> 18 <sup>m</sup> to 9 <sup>h</sup> 27 <sup>m</sup>					R.A. 9 <sup>h</sup> 27 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup>				
Centre R.A. 9 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°					Centre R.A. 9 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°					Centre R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 45 <sup>m</sup>				
Plate 853. 1893, March 17.					Plate 854. 1893, March 17.					Plate 855. 1893, March 17.				
No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.



## ZONE + 64°.

R. A. 9 <sup>h</sup> 45 <sup>m</sup> to 9 <sup>h</sup> 54 <sup>m</sup> Centre R. A. 9 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 855. 1893, March 17.						R. A. 9 <sup>h</sup> 54 <sup>m</sup> to 10 <sup>h</sup> 3 <sup>m</sup> Plate 856—contd.						R. A. 10 <sup>h</sup> 12 <sup>m</sup> to 10 <sup>h</sup> 21 <sup>m</sup> Centre R. A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2478. 1895, March 22.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
3254	30	15°2830	2°9397	64° 759	9°4	3304	6	5°7264	8°3670	°	m.	3352	29	5°3923	2°7126	64° 779	9°4
3255	26	19°5136	3°3084	64° 761	9°5	3305	14	5°8686	8°5990			3353	35§	11°4665	3°1251	64° 784	9°0
3256	10†	19°8555	3°1803			3306	20	7°6775	8°7193			3354	32	4°6396	4°7199	64° 778	9°0
3257	15	20°3933	3°0818			3307	30§	9°0132	8°2988			3355	22	11°8922	4°7828	64° 785	9°5
3258	14	17°6341	4°1980			3308	6	10°3220	8°1173			3356	14	3°4639	5°1504		
3259	32	17°8020	4°2922	64° 760	9°3	3309	6	11°6687	8°3923			3357	10	9°7024	5°6248		
3260	32	14°5382	5°8364	64° 758	9°5	3310	8	13°6853	8°1505			3358	46§	6°0124	6°2897	64° 780	8°8
3261	10	16°0344	5°7114			3311	48§	5°3347	9°0798	64° 767	8°0	3359	26	9°3167	7°9525		
3262	12	19°6562	5°5498			3312	14	5°9237	9°1130			3360	6*	9°3884	7°2216		
3263	36§	14°3146	6°4099	64° 757	9°5	3313	18	6°1252	9°6557			3361	36§	10°4521	7°1871	64° 783	8°5
3264	32§	22°2434	6°2633	64° 763	9°4	3314	12	7°0946	9°2297			3362	6*	10°2963	8°0598		
3265	10	14°2890	8°2303			3315	8	8°3825	9°3271			3363	34§	8°8926	9°5560		
3266	18	16°4774	8°2604			3316	6*	13°9349	9°4634			3364	46§	10°0610	9°8832	64° 781	7°8
3267	20	18°4193	8°0317			3317	10	10°1760	11°8254			3365	38§	10°4148	9°2470	64° 782	9°1
3268	12	20°6856	8°4703			3318	24	7°4969	12°3411	65° 748	9°2	3366	6	12°5747	9°1264		
3269	30§	21°4417	8°7207			3319	72§	8°2110	12°7534	65° 749	7°5	3367	6	4°4499	10°8973		
3270	36	23°9876	8°4892	64° 764	9°5	3320	16	4°8028	13°7852			3368	12	12°1946	10°3498		
3271	11	23°0696	10°7586			3321	32§	12°3151	13°1499	65° 751	9°0	3369	26	13°7967	10°0575	64° 786	9°0
3272	8	15°0966	11°1662			3322	24§	13°3282	13°1601			3370	40§	8°1722	11°7045	65° 772	9°3
3273	18	15°6553	11°2500			R. A. 10 <sup>h</sup> 3 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup> Centre R. A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 856. 1893, March 17.						3371	24	13°9649	11°2215		
3274	18	23°2111	11°7654									3372	8	5°1845	12°7795		
3275	16	14°7950	12°9058									3373	6	12°2815	12°6741		
3276	12	16°2589	12°1097									3374	14	5°9035	13°4899		
3277	10	16°2935	12°5806									3375	34§	7°4801	13°9453	65° 771	9°0
3278	16	19°9244	12°6614									3376	38§	8°8059	13°8354	65° 773	8°0
3279	5	20°4841	12°9228									3377	14	12°3597	13°5528		
3280	26§	21°3758	12°8301														
R. A. 9 <sup>h</sup> 54 <sup>m</sup> to 10 <sup>h</sup> 3 <sup>m</sup> Centre R. A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 856. 1893, March 17.						3323	12	16°3729	2°9154	°	m.	R. A. 10 <sup>h</sup> 21 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup> Centre R. A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2478. 1895, March 22.					
						3324	30	19°7955	2°9670	64° 774	9°3	3378	17	22°7751	3°6275	64° 793	m.
						3325	8	16°8303	3°4478			3379	6†	23°1685	3°8964		9°4
						3326	4	14°3917	4°2366			3380	87§	24°6149	3°3852	64° 795	8°2
						3327	12	14°8264	5°2803			3381	8	15°7787	4°7689		
						3328	28§	15°1845	6°4242			3382	41	23°1774	4°0943	64° 794	9°3
						3329	14	15°6390	6°4237			3383	8	20°1590	5°8883		
						3330	26§	21°5039	6°9804			3384	7	21°4025	5°7688		
						3331	32§	14°4539	7°9205			3385	6	15°6214	6°1075		
						3332	8	16°7439	7°1662			3386	6	16°8640	6°1466		
						3333	30§	19°8552	7°4299			3387	40§	17°7201	6°5935	64° 790	8°1
						3334	16	19°8899	7°5099			3388	50§	15°9849	7°1401	64° 787	8°5
						3335	10	22°9809	7°8732			3389	8	18°4182	7°0443		
						3336	12	14°1293	8°1910			3390	32	25°7874	9°8864	64° 797	9°5
						3337	34§	19°1015	8°3597			3391	14	20°1227	10°3896		
						3338	22	20°8831	8°2768			3392	100§	17°1522	11°1615	64° 789	6°2
						3339	16	18°5939	9°6302			3393	44§	18°1337	11°6529	65° 783	8°7
						3340	30§	21°7151	9°2372	64° 775	9°5	3394	24	20°7200	11°8763		
						3341	12	22°9549	9°1197			3395	34§	14°4303	12°1123	65° 779	9°1
						3342	16	17°4741	10°0766			3396	20	20°1436	12°8619		
						3343	12	19°2288	10°4499			3397	28§	23°0361	12°6905	65° 787	9°3
						3344	14	23°1216	10°7514			3398	38§	25°3408	12°4473	65° 789	9°2
						3345	40§	20°2472	11°9191	65° 763	9°0						
						3346	8	18°8746	12°4381								
						3347	6	24°2069	12°2363								
						3348	18	15°2718	13°4978								
						3349	10	21°4072	13°2812								
						3350	8	21°4550	13°3007								
						3351	8	25°1013	13°7408								
						33	18°7711	1°9420	64° 773	9°1							

Nos. 3390 and 3398 are measured on plates 2478 and 2497.

1 réseau interval represents very nearly 5" = 45°6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°3 for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	x.	y.		No.	Diam.	x.	y.		No.	Diam.	x.	y.	
No.					No.					No.				
Mag.					Mag.					Mag.				
R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 39 <sup>m</sup>					R.A. 10 <sup>h</sup> 39 <sup>m</sup> to 10 <sup>h</sup> 48 <sup>m</sup>					R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 57 <sup>m</sup>				
Centre R.A. 10 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°					Centre R.A. 10 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°					Plate 3123—contd.				
Plate 2497. 1895, March 28.					Plate 2497. 1895, March 28.									
3399	15	2°1732	1°9695		3450	11	19°8094	2°0979		3499	5	2°4462	5°4211	
3400	32§	7°7812	2°8650		3451	10	15°9739	3°0371		3500	10	6°2703	5°5026	
3401	12	9°6044	2°7924		3452	38§	16°8473	3°7880	64 809	3501	7	6°7494	5°9155	
3402	16	9°7229	2°4037		3453	21	21°1386	3°3343		3502	9	6°8196	5°0046	
3403	14	5°8234	3°7732		3454	69§	24°6811	3°1136	64 814	3503	13	8°5432	5°4707	
3404	8	7°7643	3°5305		3455	49	25°8239	3°2840	64 816	3504	14	8°8571	5°5205	
3405	8	7°8713	3°9323		3456	10	15°4918	4°1981		3505	6	12°2886	5°1832	
3406	16	8°3289	3°3211		3457	20	16°6750	4°9589		3506	8	12°3359	5°8679	
3407	4	9°0337	3°2294		3458	54§	19°2326	6°0371	64 810	3507	14	13°5528	5°7286	
3408	8	9°6179	3°5881		3459	7	21°0187	6°6080		3508	6	9°6558	6°6869	
3409	20	4°6814	4°7560		3460	23	22°6831	6°6928	64 811	3509	14	9°9266	6°9568	
3410	22	13°9496	4°3447	64 808	3461	8	19°5207	7°9147		3510	6	13°4705	6°3563	
3411	40§	5°9624	5°5442	64 801	3462	12	20°5133	7°9209		3511	14	2°5223	7°0440	
3412	16	6°3407	5°8085	64 804	3463	48§	25°2250	8°8397	64 815	3512	5	5°5349	7°6140	
3413	6	6°8877	5°4792		3464	14	25°9387	8°7793		3513	6*	5°9780	7°9218	
3414	22§	8°5877	5°9292		3465	8	14°1311	9°0864		3514	19§	9°9793	7°2958	
3415	8	8°8397	5°5576		3466	8	15°0794	9°9979		3515	20§	12°0276	7°9631	
3416	8	10°5823	5°9072		3467	4	16°0917	9°0942		3463	44§	2°0058	8°8110	64 815
3417	24	6°0459	6°0700	64 802	3468	16	17°3577	10°3861		3464	18	2°7143	8°7015	
3418	4	8°8126	6°8890		3469	16	20°6616	10°8030		3516	5	2°8053	8°6693	
3419	8	10°4179	6°7037		3470	10	23°2728	10°4675		3517	5	5°6892	8°3469	
3420	38§	4°0549	7°4762	64 799	3471	8	16°0339	11°9511		3518	19	5°7355	8°6349	
3421	38§	5°1725	7°2865	64 800	3472	14	17°4790	11°9732		3519	28§	6°7798	8°6176	64 821
3422	10	7°4623	7°8311		3473	10	23°5725	11°7550		3520	6	8°9760	8°7527	
3423	14	8°2080	7°0679		3474	12	16°1986	12°4631		3521	6	9°4737	8°7656	
3424	22§	11°6229	7°3871		3475	42§	16°5829	12°8492	65 800	3522	12	10°5647	8°8288	
3425	8	6°1312	8°8243		3476	8	22°0235	12°3196		3523	19§	11°7150	8°7727	
3426	44§	10°1163	8°0608	64 807	3477	13	24°4627	12°4243		3524	7	13°6584	8°8385	
3427	8	12°0581	8°8127		3478	16	14°8975	13°4944		3525	47	2°9127	9°8927	64 817
3428	20§	12°2926	8°4853		3479	4	17°4331	13°0689		3526	6	3°3446	9°7513	
3390	31§	2°8216	9°8692	64 797	3480	4	18°0626	13°2098		3527	4	4°2216	9°7503	
3429	23	3°7098	9°6347		3481	4	18°2938	13°1859		3528	5	4°2888	9°6597	
3430	14	6°5063	9°3886		3482	4	19°8233	13°1616		3529	8	5°2212	9°3558	
3431	10	6°5993	9°0074		3483	6	20°3694	13°3962		3530	20§	6°3622	9°7032	
3432	4	7°4374	9°1718		3484	12	21°9325	13°7159		3531	6	8°0297	9°7521	
3433	8	8°6833	9°0564		3485	12	21°9320	13°7049		3532	6	8°2943	9°7322	
3434	12	2°7017	10°3680		3486	20	23°5892	13°7682		3533	5	8°7962	9°5849	
3435	8	5°0250	10°2799							3534	13	11°5296	9°1257	
3436	10	5°3414	10°5449			54§	26°0540	9°9813	64 817	3535	16	12°0470	9°3779	
3437	24§	8°0037	10°9237							3536	13	12°4019	9°4648	
3438	4	6°3092	11°6264							3537	9	13°5011	9°2513	
3439	10	6°5828	11°8765							3538	10	7°2618	10°7949	
3440	26§	8°5485	11°0129	64 805						3539	23§	8°3443	10°7969	
3441	40§	8°7594	11°0691	64 806						3540	13	8°7294	10°9673	
3442	14	8°9844	11°1759							3541	4	9°8590	10°9455	
3443	8	11°3796	11°5317							3542	16§	12°0177	10°0608	
3444	10	12°5674	11°1008		3487	19	12°5298	2°8195		3543	24§	12°7387	10°5309	64 826
3445	10	13°3927	11°6191		3488	11	13°4162	2°7000		3544	28§	13°3786	10°6203	64 827
3398	34§	2°5587	12°4546	65 789	3455	49§	2°2172	3°2270	64 816	3545	15	4°7407	11°9439	
3446	24§	7°2837	12°8588	65 794	3489	11	6°8442	3°7248		3546	12	4°7569	11°9266	
3447	6	6°4424	13°4710		3490	11	8°9119	3°0276		3547	12	4°9349	11°4292	
3448	8	10°5375	13°2322		3491	5	10°8686	3°8436		3548	14	5°4742	11°6552	
3449	8	13°7745	13°5776		3492	15	3°0449	4°9281		3549	14§	5°6615	11°5312	
					3493	6	4°1417	4°9833		3550	10	5°8742	11°5361	
					3494	21	4°2252	4°4525		3551	23§	7°4785	11°9862	
	75§	1°1854	3°4625	64 795	3495	42§	8°7102	4°3807	64 823	3552	6	11°6146	11°7401	
	43§	6°1876	1°6581	64 803	3496	7	8°7313	4°8614		3553	6	11°6347	11°8152	
					3497	9	9°9485	4°9891		3554	6	12°2403	11°6943	
					3498	8	10°5759	4°3620		3555	14	2°3621	12°1328	

Nos. 3455, 3463, and 3464 are measured on plates 2497 and 3123.

1 réseau interval represents very nearly 5' = 45°6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°3 for  $y = 14$  (Dec. + 65°).



ZONE + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.
R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 57 <sup>m</sup>						R.A. 10 <sup>h</sup> 57 <sup>m</sup> to 11 <sup>h</sup> 6 <sup>m</sup>						R.A. 11 <sup>h</sup> 6 <sup>m</sup> to 11 <sup>h</sup> 15 <sup>m</sup>					
Plate 3123—contd.						Plate 3123—contd.						Plate 2502—contd.					
3556	4	4'0172	12'8087		m.	3604	5	15'4333	8'3730		m.	3656	6	13'8493	8'8667		m.
3557	6	4'0180	12'6701			3605	13	16'4396	8'3121			3657	5	5'0742	9'4355		
3558	6	6'5690	12'3925			3606	11	17'7342	8'2279			3658	248	7'8132	9'1466		
3559	7	6'8117	12'5208			3607	5	19'1367	8'9237			3659	7	13'5029	9'3937		
3560	378	7'4450	12'1803	65 810	8'8	3608	248	14'4687	9'2278			3660	6	4'0402	10'1938		
3561	10	8'0057	12'7579			3609	5	15'2915	9'5343			3661	10	4'5282	10'9892		
3562	12	8'4519	12'6449			3610	258	15'6993	9'4544	64 830	9'5	3662	8	6'3836	10'8890		
3563	5	8'9306	12'2784			3611	16	18'5644	9'5612			3663	12	8'7669	10'0389		
3564	12	9'8478	12'3447			3612	12	18'6109	9'4578			3664	438	10'8030	10'3049	64 840	8'3
3565	10	12'1857	12'1280			3613	4	20'5181	9'6796			3665	9	12'0687	10'7884		
3566	16	5'0027	13'5342	65 807	9'5	3614	6	21'4312	9'7969			3666	6	4'2810	11'3467		
3567	11	6'6885	13'3187			3615	6	21'7219	9'1208			3667	5	8'2379	11'5801		
3568	10	13'2819	13'7868			3616	9	17'1012	10'9909			3668	9	13'3830	11'4759		
	778	1'0601	3'1337	64 814	8'3	3617	18	17'4551	10'0041			3669	6	4'8650	12'4454		
	31	3'7407	1'7864	64 819	9'5	3618	16	24'1141	10'9931			3670	148	11'4958	12'5517		
	1008	11'2349	1'4395	64 824	6'8	3619	5†	24'8046	10'6693			3671	198	12'7742	12'6183		
R.A. 10 <sup>h</sup> 57 <sup>m</sup> to 11 <sup>h</sup> 6 <sup>m</sup>						R.A. 11 <sup>h</sup> 15 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>						R.A. 11 <sup>h</sup> 15 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>					
Centre R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°						Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°						Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°					
Plate 3123. 1896, May 4.						Plate 2502. 1895, March 29.						Plate 2502. 1895, March 29.					
3569	8	15'4580	2'4963		m.	3620	5	14'6348	11'2960			3672	5	13'1733	12'8627		
3570	6	16'1615	2'5564			3621	13	16'7088	11'1154			3673	5	9'3745	13'1713		
3571	408	20'5992	2'4085	64 833	9'5	3622	8	17'1561	11'8492			3674	278	11'0074	13'6851	65 825	9'3
3572	148	15'2313	3'0219			3623	14	17'7716	11'9684			3675	10	11'6890	13'4050		
3573	17	15'9126	3'8771			3624	10	18'7774	11'9586			R.A. 11 <sup>h</sup> 15 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>					
3574	9	16'3620	3'2188			3625	15	18'9416	11'1434			Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°					
3575	12	16'4015	3'4916			3626	17	21'3556	11'1803			Plate 2502. 1895, March 29.					
3576	15	18'6251	3'5180			3627	11	21'8044	11'9062			3676	12	17'9547	1'9823		m.
3577	13	20'9501	3'8493			3628	17	22'9764	11'4939			3677	9	20'0260	3'6526		
3578	8	21'3942	3'2362			3629	27	23'9884	11'1025			3678	808	24'7722	3'5515	64 848	7'5
3579	11	14'3835	4'9311			3630	10	17'3602	12'9409			3679	6	14'4241	4'8238		
3580	17	15'8649	4'9627			3631	8	21'3850	12'9881			3680	7	14'5206	4'7094		
3581	17	21'8433	4'2498			3632	7	16'4262	13'5819			3681	6	15'2732	4'3671		
3582	288	23'6638	4'5475	64 835	9'3	3633	9	16'5735	13'6061			3682	18	21'0444	4'5579		
3583	6†	24'7732	4'5496			3634	10	17'7317	13'9416			3683	10	19'8649	5'6209		
3584	638	25'8960	4'9335	64 836	9'3	3635	8	18'1891	13'7065			3684	5	23'6231	5'4797		
3585	258	15'0134	5'0431	64 829	9'2	3636	6†	21'8229	13'5328			3685	5*	24'7719	5'2272		
3586	278	17'7729	5'5100	64 832	9'5	3637	8	24'9581	13'2992			3686	14	15'4702	6'4349		
3587	17	19'3223	5'3977			R.A. 11 <sup>h</sup> 6 <sup>m</sup> to 11 <sup>h</sup> 15 <sup>m</sup>						3687	13	18'1692	6'1130		
3588	17	20'9356	5'6631			Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°						3688	418	20'8774	6'4632	64 846	8'7
3589	7†	24'5968	5'5592			Plate 2502. 1895, March 29.						3689	22	23'0663	6'3516		
3590	6	15'8673	6'7824			3638	14	10'8440	2'7935		m.	3690	14	25'0425	6'0260		
3591	4	21'0340	6'1169			3639	538	11'1671	2'6402	64 841	8'2	3691	14	16'1851	7'9227		
3592	5	21'5727	6'7611			3584	518	2'2537	4'7097	64 836	9'3	3692	10	18'9838	7'8251		
3593	17	23'6725	6'5246			3640	23	3'3915	4'0797	64 837	9'5	3693	208	19'4581	7'3700	64 844	9'5
3594	13	23'9110	6'3457			3641	4	7'6736	4'9470			3694	5	20'4511	7'7720		
3595	5	24'6317	6'1571			3642	5	12'4664	4'6617			3695	19	21'1275	7'4831		
3596	11	17'9262	7'5963			3643	17	4'5101	5'5576			3696	11	21'8821	7'8682		
3597	5	19'1748	7'0991			3644	10	7'7411	5'9907			3697	5	25'1127	7'4420		
3598	6	19'5405	7'6097			3645	10	2'9553	6'8009			3698	9	25'5890	7'9080		
3599	5	19'6908	7'2360			3646	12	4'4649	6'9278			3699	7	17'4004	8'2217		
3600	19	19'8820	7'0670			3647	5	5'5696	6'8721			3700	6	18'6529	8'8366		
3601	5	20'9411	7'5045			3648	20	10'3034	6'1768			3701	7	24'7615	8'8710		
3602	14	22'7295	7'5630			3649	6	10'8778	6'8682			3702	208	17'5845	9'4835	64 842	9'5
3603	6	14'3571	8'1277			3650	4	12'3692	6'0557			3703	16	17'6534	9'5789	64 843	9'5
						3651	228	2'5569	7'3491			3704	4	18'0456	9'4497		
						3652	238	13'9352	7'4179			3705	13	18'3109	9'0270		
						3653	9	3'0789	8'5070			3706	248	21'6061	9'1503		
						3654	14	5'5455	8'5086			3707	9	24'7170	9'3208		
						3655	6	7'5299	8'7337			3708	5	18'7998	10'2747		

No. 3584 is measured on plates 3123 and 2502.

No. 3698 is measured on plates 2502 and 331a.

1 réseau interval represents very nearly  $5' = 45^{\text{s}}.6$  of R.A. for  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).



## ZONE + 64.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\gamma$ .			No.	Diam.	$\alpha$ .	$\gamma$ .			No.	Diam.	$\alpha$ .	$\gamma$ .		
				No.	Mag.					No.	Mag.					No.	Mag.
R.A. 11 <sup>h</sup> 15 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>						R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 33 <sup>m</sup>						R.A. 11 <sup>h</sup> 33 <sup>m</sup> to 11 <sup>h</sup> 42 <sup>m</sup>					
Plate 2502—contd.						Plate 331a—contd.						Plate 331a—contd.					
3709	10	19°3825	10°3471	°	m.	3758	4†	13°4092	10°6657	°	m.	3808	14	23°4352	12°3515	°	m.
3710	5	23°7505	10°4973			3759	70§	13°7603	10°8113	64 857	7·7	3809	5	19°4963	13°7515		
3711	24	24°3851	10°1956			3760	12	4°6113	11°0340			3810	23§	19°6073	13°2601		
3712	6	17°3066	11°0315			3761	25§	10°7744	11°7176	65 839	9·3	3811	32§	19°7381	13°0321	65 847	8·8
3713	43§	22°7123	11°0711	64 847	8·2	3762	5	3°4155	12°3573			3812	16§	19°7497	13°0348		
3714	6	15°8693	12°6722			3763	19§	3°4955	12°7329			3813	71§	25°0349	13°6498	65 851	7·1
3715	100§	16°3919	12°3917	65 828	6·0	3764	23§	9°6277	12°4339	65 836	9·3						
3716	15	17°2860	12°2222			3765	42§	10°0477	12°5070	65 838	8·8						
3717	9	18°8717	12°1821			3766	13	3°2500	13°0907				26§	16°8323	1°4686	64 859	9·1
3718	9	22°5140	12°1696			3767	6	3°6617	13°5496				67§	26°2760	4°9788	64 867	8·4
3719	4	18°5278	13°8724			3768	6	5°0079	13°6040								
	46	26°6836	3°5508	64 849	8·9	3769	10	5°9078	13°1702								
						3770	23§	12°6209	13°8374	65 841	9·5						
							79§	1°2659	3°7327	64 848	7·5						
R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 33 <sup>m</sup>						R.A. 11 <sup>h</sup> 33 <sup>m</sup> to 11 <sup>h</sup> 42 <sup>m</sup>						R.A. 11 <sup>h</sup> 42 <sup>m</sup> to 11 <sup>h</sup> 51 <sup>m</sup>					
Centre R.A. 11 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°						Centre R.A. 11 <sup>h</sup> 33 <sup>m</sup> Dec. + 85°						Centre R.A. 11 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°					
Plate 331a. 1892, April 9.						Plate 331a. 1892, April 9.						Plate 2522. 1895, April 10.					
3720	8	3°1922	2°3988	°	m.	3771	7	14°6410	4°2160	°	m.	3814	19	8°3391	2°7271	°	m.
3721	8	3°8051	1°9920			3772	6	17°2487	4°0927			3815	53§	2°7250	4°7763	64 867	8·4
3722	44§	5°6896	2°3359	64 853	8·6	3773	4*	21°3929	4°8819			3816	20	12°7640	4°5253	64 871	9·3
3723	12	6°8676	1°9670			3774	10	23°2218	4°3305			3817	21	9°3588	5°7416	64 869	9·3
3724	14	7°7183	2°7615			3775	24	23°3362	4°6646	64 864	9·5	3818	26§	4°0489	6°3682		
3725	5†	12°5335	2°2632			3776	24§	19°8136	5°8241			3819	11	10°8983	6°3159		
3726	40§	3°1790	3°5879	64 849	8·9	3777	6	24°0547	5°3840			3820	31§	13°5950	6°4593	64 872	8·8
3727	5	3°4599	3°9645			3778	6	15°5893	6°6518			3821	8	7°6741	7°0773		
3728	9	5°4073	3°8203			3779	5	15°6385	6°7550			3822	18	4°6748	8°0699		
3729	24	5°1726	4°7652	64 851	9·4	3780	4	17°9406	6°6878			3794	43§	2°4021	10°4505	64 866	9·0
3730	39§	8°8289	4°4247	64 855	8·3	3781	13	21°4786	6°1008			3823	7	8°0666	11°4836		
3731	9	8°8932	4°4657			3782	28	24°3469	6°3824	64 865	9·3	3824	7	11°1499	11°1302		
3732	6	13°3041	4°3125			3783	6	14°0885	7°2755			3813	73§	2°1144	13°5139	65 851	7·1
3733	8	2°6002	5°1288			3784	21§	17°3375	7°2488	64 860	9·4	3825	13	4°7165	13°5665		
3734	6	4°5979	5°3299			3785	6	19°9629	7°5684			3826	8	12°7796	13°8397		
3735	11	5°0399	5°4838	64 850	9·5	3786	21	21°8520	8°2567	64 863	9·3						
3736	11	10°5697	5°9395			3787	15	23°4943	8°8124			3827	12	14°2089	3°8572	°	m.
3737	9	10°8065	5°3438			3788	36§	15°1852	9°4822	64 858	8·8	3828	8	17°4000	3°9338		
3738	15	3°9203	6°4436			3789	6	17°5157	10°1791			3829	15*	24°7712	3°5148	64 876	9·5
3739	6	4°5655	6°6955			3790	19	18°9410	10°2713			3830	7	19°8096	5°1272		
3740	8	4°6244	6°9663			3791	14	19°5213	10°8307			3831	15	17°9399	7°2534		
3741	6	7°8781	6°3629			3792	12	19°9397	10°3715			3832	9	18°0256	7°8969		
3742	33§	9°4839	6°7073	64 856	8·8	3793	6	24°4774	10°6145			3833	16	21°7833	7°7588		
3743	38§	6°7814	7°4829	64 854	8·8	3794	46§	25°5421	10°6145	64 866	9·0	3834	21	21°9849	7°1003		
3744	8	7°0505	7°0350			3795	8	14°0482	11°8355			3835	28§	18°9594	8°7286	64 874	9·3
3745	14	9°0769	7°8506			3796	28§	17°0943	11°7815	65 845	9·3	3836	21	19°9844	9°8024		
3746	12	10°3249	7°0501			3797	39§	17°1753	11°2711	65 846	9·0	3837	46§	24°5683	9°9158	64 877	8·6
3747	6	11°7989	7°9156			3798	5†	17°6284	11°8642			3838	13	16°1814	10°6529		
3748	6	13°1383	7°8292			3799	35§	20°6838	11°0727	64 862	8·8	3839	17	17°3434	10°0429		
3749	5	2°9236	8°5008			3800	3	22°1400	11°6060			3840	6	20°0516	10°3878		
3750	6	3°6122	8°7062			3801	6	22°1179	11°1917			3841	8	20°6955	10°3336		
3751	18	6°1634	8°2969			3802	27§	23°5115	11°3336	65 849	9·3	3842	5	16°9332	12°1259		
3752	15	10°3137	8°6477			3803	12	24°6042	11°7532			3843	17	20°1590	12°9649		
3753	8	13°2463	8°3378			3804	88§	14°3289	12°8571	65 843	6·7	3844	6	20°4912	12°8494		
3754	6	7°9439	9°6605			3805	15	18°8277	12°7634			3845	29	25°1874	12°2748		
3755	4	10°8249	9°6098			3806	9	19°6633	12°8890			3846	19	20°6233	13°8497		
3756	6	7°2910	10°5088			3807	6	21°7840	12°6977								
3757	12	8°4150	10°0068										41§	22°1472	1°5899	64 875	9·1

Nos. 3794 and 3813 are measured on plates 331a and 2522. No. 3845 is measured on plates 2522 and 336.  
 No. 3775, B. D. 64° 864. The R.A. given in the B.D. appears to be 1<sup>m</sup> too small.

.1 réseau interval represents very nearly 5' = 45<sup>s</sup>.6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47<sup>s</sup>.3 for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 9 <sup>m</sup> Centre R.A. 12 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 336. 1892, April 11.						R.A. 12 <sup>h</sup> 9 <sup>m</sup> to 12 <sup>h</sup> 18 <sup>m</sup> Plate 336—contd.						R.A. 12 <sup>h</sup> 18 <sup>m</sup> to 12 <sup>h</sup> 27 <sup>m</sup> Plate 2022—contd.					
3847	13	3°6023	2°4338		m.	3896	42§	17°8727	4°2654	64° 887	8.2	3947	64§	5°4929	6°5809	64° 896	6.0
3848	52§	3°6412	2°1139	64 879	9.0	3897	56§	23°0401	4°8754	64 890	6.8	3948	12	7°1221	6°5798		
3849	4	12°6502	2°8447			3898	28	24°9063	4°3431			3949	15	9°9544	6°1932		
3850	4†	10°9104	3°2214			3899	16	17°5038	5°1530			3950	5	12°6574	6°1779		
3851	13	11°9614	3°4457			3900	6	18°2742	6°1405			3951	5	3°2767	7°2348		
3852	15	3°2533	4°5569			3901	6	20°4898	6°5971			3952	18	7°1083	6°9774		
3853	4	10°1420	4°8538			3902	9*	25°2418	6°5504			3953	6	7°8653	7°2016		
3854	4	11°0702	4°3252			3903	17	25°8851	6°2022			3954	8	11°9644	7°2933		
3855	9	11°3373	4°7564			3904	9	14°5967	7°6850			3955	7	11°9887	7°8913		
3856	20	4°4595	5°4676			3905	7	21°0930	7°2838			3956	33§	12°2326	7°5317	64 904	8.9
3857	5	2°4803	6°9295			3906	12	21°5169	7°1248			3911	15	2°2447	8°2556		
3858	4*	2°8716	6°8151			3907	9	15°8658	8°3249			3957	17	3°2156	8°4092		
3859	16	2°8963	6°1987			3908	7	17°1106	8°7600			3958	7	4°5773	8°7590		
3860	6	5°5878	6°8427			3909	18	23°2936	8°1562			3959	6	6°1358	8°5935		
3861	10	5°7560	6°5263			3910	11	24°5025	8°9145			3960	24§	9°0694	8°0365	64 898	9.2
3862	26	6°4474	6°0299	64 880	9.1	3911	13	25°6124	8°1182			3961	7	11°6304	8°0203		
3863	8	9°1755	6°5953			3912	27§	14°3894	9°5407	64 886	9.4	3962	6	3°0285	9°2619		
3864	23§	13°2121	6°8303	64 885	9.2	3913	5	15°8322	9°1131			3963	25§	5°1479	9°3639	64 895	8.9
3865	5	2°6644	7°0693			3914	33§	18°1038	9°7656	64 888	9.0	3964	6	7°8100	9°5822		
3866	13	4°8814	7°1930			3915	6	19°4373	9°7823			3965	4	8°7766	9°3533		
3867	41§	6°7389	7°4143	64 881	8.3	3916	6	19°8284	9°8672			3966	4	9°7356	9°2943		
3868	19§	8°6281	7°8661			3917	14	19°9101	9°9091			3967	4	11°8865	9°2614		
3869	6	10°4717	7°8273			3918	10	22°4445	9°6027			3968	15	12°8558	9°3519		
3870	6	13°2657	7°0778			3919	4†	24°7368	9°8759			3969	5	2°1118	10°2434		
3871	9	13°5202	7°2041			3920	6	14°2165	10°6613			3970	44§	4°9311	10°2365	64 894	8.3
3872	18	2°9472	8°7457			3921	8	14°5952	10°0532			3971	5	5°9122	10°6969		
3873	8	3°6728	8°2469			3922	8	18°4989	10°5942			3972	5	9°2041	10°1571		
3874	6	3°7064	8°1721			3923	33§	18°7914	10°8352	64 889	9.0	3973	6	10°5268	10°4012		
3875	20	3°4048	9°0601			3924	12	20°9039	11°0526			3974	13	10°9242	10°2105		
3876	8	5°1741	9°5725			3925	16	25°9842	11°7213			3975	18§	11°5856	10°0605	64 903	9.5
3877	5	12°6406	9°4766			3926	16§	15°1738	12°8298			3925	15	2°8674	11°8199		
3878	6	6°5010	10°8241			3927	10	17°8763	12°5318			3976	8	4°6328	11°4110		
3879	3†	6°7250	10°3604			3928	13	17°3224	13°2034			3977	5	8°9356	11°9133		
3880	13	6°8468	10°3786			3929	11	23°5113	13°2968			3978	6	5°3261	12°8793		
3881	6	13°9677	10°3203			R.A. 12 <sup>h</sup> 18 <sup>m</sup> to 12 <sup>h</sup> 27 <sup>m</sup> Centre R.A. 12 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2022. 1894, May 7.						3979	21	4°8130	13°2739		
3882	14	7°5401	11°9296			3930	40§	7°0163	2°8145	64° 897	9.0	3980	5	6°6985	13°2008		
3883	18§	10°7331	11°3212			3931	15	8°4941	2°4640			3981	5	11°7234	13°7597		
3884	36§	11°4343	11°2440	65 873	8.7	3932	12	5°8524	3°5018			34	1°0212	3°2234	64 891	9.4	
3885	6	11°6432	11°0840			3933	15	6°6543	3°5355			R.A. 12 <sup>h</sup> 27 <sup>m</sup> to 12 <sup>h</sup> 36 <sup>m</sup> Centre R.A. 12 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2022. 1894, May 7.					
3886	27§	2°2866	12°3827			3934	9	6°1308	3°8234			3982	16	19°1876	2°6578		m.
3887	11	6°2827	12°3481			3935	18	10°5199	3°6206			3983	51§	19°5950	2°2219	64 907	9.0
3888	21§	10°0009	12°7787	65 872	9.3	3936	44§	10°6613	3°4212	64 900	8.9	3984	10	14°3811	3°2772		
3889	9	10°4443	12°8090			3937	22§	11°2636	3°5967	64 902	9.5	3985	59§	24°5848	3°5313	64 913	9.2
3890	6	11°7777	12°0618			3938	5	11°9378	3°1068			3986	9	14°4455	4°7190		
3891	6	6°9881	13°2808			3939	9	13°9320	3°3373			3987	48§	14°6408	5°9307	64 905	7.7
3892	6	11°0653	13°6333			3940	20	8°9611	4°2635	64 899	9.5	3988	5	21°8416	5°3682		
3892	7	13°0284	13°7823			3941	6	9°5588	4°5515			3989	15	21°9980	5°4856		
	46	1°5003	10°0748	64 877	8.6	3942	8	9°8428	4°1840			3990	9	25°1352	5°5855		
	20	12°6836	1°2871	64 884	9.5	3943	8	12°6144	4°8857			3991	6	14°0759	6°1895		
	41	2°0761	1°2989			3944	17	2°3812	6°3226			3992	5†	23°4943	6°7555		
R.A. 12 <sup>h</sup> 9 <sup>m</sup> to 12 <sup>h</sup> 18 <sup>m</sup> Centre R.A. 12 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 336. 1892, April 11.						3945	41§	4°4702	6°4880	64 893	8.3	3993	6	14°2986	7°7409		
3893	35	24°7447	3°0168	64° 891	9.4	3946	6	5°3338	6°5114			3994	29§	18°0529	7°1709	64 906	9.3
3894	5†	16°0324	4°4487														
3895	12	17°1272	4°9062														

Plate 336. The star whose co-ordinates are 2°0761; 1°2989 is not in the B. D. It appears to be No. 7016 in the Helsingfors (A.G.) Catalogue, but the R.A. is there 1<sup>m</sup> too large. The magnitude is given as 9.1. Nos. 3903, 3911, and 3925 are measured on plates 336 and 2022.

1 *réseau* interval represents very nearly 5' = 45°.6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°.3 for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	$\alpha$ .	$\delta$ .	$\mu$ .	No.	Diam.	$\alpha$ .	$\delta$ .	$\mu$ .	No.	Diam.	$\alpha$ .	$\delta$ .	$\mu$ .
No. Mag.					No. Mag.					No. Mag.				
R.A. 12 <sup>h</sup> 27 <sup>m</sup> to 12 <sup>h</sup> 36 <sup>m</sup>					R.A. 12 <sup>h</sup> 36 <sup>m</sup> to 12 <sup>h</sup> 45 <sup>m</sup>					R.A. 12 <sup>h</sup> 54 <sup>m</sup> to 13 <sup>h</sup> 3 <sup>m</sup>				
Plate 2022—contd.					Plate 345—contd.					Plate 1995—contd.				
3995	21	21°6822	7°6586	m.	4043	13	3°6346	13°5409	m.	4084	24§	4°3801	4°6972	m.
3996	43	24°0798	7°9350	64 912 9°2	4044	6	4°3735	13°6919		4085	6	9°1651	5°2447	
3997	19	15°4166	8°3994		4045	4	5°1016	13°8264		4086	10	11°2359	5°4065	
3998	25§	21°0531	8°7701	64 908 9°1	4046	5	7°9294	13°3333		4087	5	11°2928	5°7478	
3999	6	22°5965	8°2430		4047	6	11°4306	13°7242		4088	18§	11°4226	5°4581	64 928 9°5
4000	28§	21°5356	9°8127	64 909 8°7	4048	6	12°1451	13°1680		4089	10	6°3359	6°5491	
4001	17	16°6146	10°0832		4049	10	12°2030	13°4696		4090	7	12°2980	6°3772	
4002	21	19°4262	10°1078							4091	3	12°8822	6°1245	
4003	18	19°8696	10°3509			46	0°9584	3°3965	64 913 9°2	4092	4	4°9562	7°8047	
4004	7	21°4929	10°9722							4093	29§	7°4245	7°3070	64 926 9°5
4005	29§	21°7609	10°4219	64 910 9°1	R.A. 12 <sup>h</sup> 45 <sup>m</sup> to 12 <sup>h</sup> 54 <sup>m</sup>					4094	10	8°5236	7°2880	
4006	24§	22°1341	10°9121	64 911 9°3	Centre R.A. 12 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°					4095	12	10°2509	7°5406	
4007	15	24°3674	10°9785		Plate 345. 1892, April 25.					4096	15§	11°1863	7°8367	
4008	6	16°5165	11°5990		4050	22	15°4224	2°7399	64 916 9°5	4097	10	12°2828	7°3747	
4009	19	17°3330	11°0411		4051	19	19°9834	2°1318		4098	5	10°7248	8°8502	
4010	12	18°4930	11°7378		4052	18	20°7429	2°1920		4099	11	12°9656	8°9800	
4011	10	19°3633	11°6800		4053	18	23°0198	2°5710	64 924 9°3	4100	18	3°4687	9°3772	
4012	5†	25°2051	11°6839		4054	14	19°9947	3°8347		4101	5	12°1843	9°4645	
4013	11	25°5686	11°4289		4055	22§	17°0834	4°5327	64 917 9°5	4102	12	12°6724	9°6050	
4014	11	25°7492	11°9039		4056	6	21°3158	4°6024		4103	5†	13°1750	9°2326	
4015	11	21°7263	12°2103		4057	21	18°6205	5°7161		4104	7	13°6016	9°9006	
4016	28§	22°2083	12°3768	65 892 9°0	4058	6	15°0430	6°3324		4105	2†	5°9548	10°7819	
4017	6	15°5209	13°1704		4059	21	17°3124	6°0237	64 918 9°1	4106	5	7°2505	10°9924	
4018	8	16°1777	13°8860		4060	4	17°5791	6°2330		4107	11	8°6337	10°3509	
4019	26§	16°9216	13°1594	65 887 9°4	4061	26§	17°5842	7°8299	64 919 8°8	4108	4	9°2949	10°7333	
4020	18	18°1934	13°2143	65 889 9°4	4062	33§	21°6528	7°7822	64 922 8°3	4109	3	11°0646	10°6184	
4021	9	22°3084	13°4908		4063	4	15°0787	8°2021		4110	3	13°9218	10°1247	
	89§	26°3543	6°2997	64 914 7°2	4064	11	21°0011	8°1295		4111	10	3°0268	11°0755	
R.A. 12 <sup>h</sup> 36 <sup>m</sup> to 12 <sup>h</sup> 45 <sup>m</sup>					4065	15	17°2832	9°1433		4112	20§	3°2333	11°3862	
Centre R.A. 12 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°					4066	5	18°0451	9°4165		4113	17§	4°5188	11°7270	
Plate 345. 1892, April 25.					4067	9	20°9836	9°2122		4114	22§	6°8899	11°3904	
4022	22	8°1692	2°6612	m.	4068	7	14°6915	10°8230		4115	11	5°0220	12°8195	
4023	11	13°9567	2°8363		4069	24	19°8461	10°3577	64 920 9°0	4116	10	11°5472	12°8795	
4024	15	5°4903	3°6448		4070	13	20°8635	10°7701		4117	10	12°3906	12°4675	
4025	18	7°8587	3°2383		4071	44§	21°7293	10°9885	64 923 8°2	4118	21§	12°8435	12°1782	
4026	24	2°6151	4°7921		4072	40§	16°0999	11°3076	65 906 8°9	4119	17	4°4532	13°4556	
4027	13	3°3006	4°7480		4073	6	21°3168	11°6951		4120	8	4°7729	13°3890	
4028	14	7°4059	5°1107		4074	18	21°9639	11°3621		4121	3	6°8598	13°4151	
4029	6	9°5259	5°2475		4075	10	15°8987	12°0066		R.A. 13 <sup>h</sup> 3 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup>				
4030	11	10°2628	5°3764		4076	7	16°5430	12°6592		Centre R.A. 13 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				
4031	6	11°2856	5°5927		4077	22§	21°0762	13°5981	65 911 9°1	Plate 1995. 1894, April 21.				
4032	63§	2°9185	6°0304	64 914 7°2	4078	22§	22°5102	13°4220	65 912 9°3	4122	58	17°1236	2°3154	64 932 8°5
4033	8	13°0729	6°3844			58§	20°8043	1°0283	64 921 8°8	4123	16	16°6363	3°8898	
4034	4	13°1421	6°5411		R.A. 12 <sup>h</sup> 54 <sup>m</sup> to 13 <sup>h</sup> 3 <sup>m</sup>					4124	20	20°7520	3°3241	64 934 9°5
4035	27§	6°7759	7°2389	64 915 8°5	Centre R.A. 13 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					4125	26	24°4448	4°5211	
4036	7	9°8004	7°2178		Plate 1995. 1894, April 21.					4126	64§	25°4626	5°2633	64 936 9°0
4037	7	13°2604	8°4760		4079	4†	3°6267	3°1306	m.	4127	18	14°4098	6°6142	
4038	7	5°8590	10°0020		4080	15	3°6350	3°0985		4128	3	16°0167	6°6581	
4039	7	2°5089	11°2032		4081	9	5°5142	3°2098		4129	7	21°0941	6°9255	
4040	19§	6°6267	11°3504		4082	100§	7°3018	3°7561	64 927 6°0	4130	7†	22°9228	6°1934	
4041	15	9°6807	11°3031		4083	6	12°2380	3°2516		4131	32§	24°1257	6°9410	
4042	13	8°4993	12°0639	65 898 9°5						4132	5	17°4722	7°0600	
										4133	11	17°8329	7°9139	
										4134	55§	25°9937	7°1717	64 937 9°4
										4135	9	18°8136	8°8248	

Nos. 4013 and 4014 are measured on plates 2022 and 345.

Nos. 4126 and 4134 are measured on plates 1995 and 2554.

1 réseau interval represents very nearly  $5' = 45^{\circ}6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $= 47^{\circ}3$  for  $y = 14$  (Dec. + 65°).

Z O N E + 64°.

R.A. 13 <sup>h</sup> 3 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup>						R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup>						R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 39 <sup>m</sup>								
Plate 1995—contd.						Plate 2554—contd.						Plate 346—contd.								
No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.				
No.	Diam.	<i>x.</i>	<i>y.</i>	No.	Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	No.	Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	No.	Mag.			
R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup>						R.A. 13 <sup>h</sup> 21 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>						R.A. 13 <sup>h</sup> 39 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup>								
Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°								
Plate 2554. 1895, April 23.						Plate 2554. 1895, April 23.						Plate 346. 1892, April 25.								
4136	268	20°78'39	8°26'24	64	935	9'4	4184	4†	6°32'83	9°41'18	°	m.	4226	4	8°15'50	5°31'95	°	m.		
4137	6	21°9'123	8°8'283				4185	8	7°6'189	9°27'75			4227	14	12°28'65	5°47'03	64	959	9'5	
4138	12	15°30'21	9°19'81				4186	18	3°9'279	10°53'44			4228	22	4°3'197	6°07'56	64	958	9'5	
4139	8	18°04'35	9°9'005				4187	10	5°27'26	11°35'81			4229	7	7°47'47	6°55'71				
4140	4	23°54'23	9°24'95				4188	4	5°27'23	11°41'87			4230	9	10°62'69	6°12'62				
4141	9	14°70'13	10°56'62				4189	14	5°74'32	11°73'01			4231	378	12°58'20	6°49'64	64	961	8'3	
4142	318	15°19'57	10°23'55	64	931	9'4	4190	14	13°34'41	11°21'90	65	930	9'5	4232	7	10°42'14	7°27'62			
4143	9	15°58'45	10°40'04				4191	17	13°95'19	11°39'46			4233	15	12°56'43	7°53'53				
4144	7	16°59'75	10°39'25				4192	19	5°11'11	12°52'01			4234	4	2°9'101	8°58'79				
4145	408	18°62'80	10°30'92	64	933	9'0	4193	10	5°77'71	12°79'90			4235	15	3°29'73	8°81'31				
4146	11	22°12'48	10°73'13				4194	5	6°29'78	12°63'01			4236	5*	3°92'65	8°13'20				
4147	14	16°59'68	11°58'99				4195	11	7°24'19	13°18'44			4237	11	11°01'02	8°69'84				
4148	14	20°09'39	11°57'81				4196	428	8°08'87	13°73'67	65	925	8'3	4238	6	13°57'58	8°24'64			
4149	10	20°77'32	11°75'78				4197	19	12°70'16	13°30'93			4239	12	6°11'49	9°92'79				
4150	6†	23°67'75	11°63'77										4240	11	2°89'66	11°32'45				
4151	11	15°03'46	12°60'82					478	1°46'36	12°02'43	65	923	8'7	4241	18	11°89'53	11°88'98	65	952	9'3
4152	9	15°21'80	12°87'98				R.A. 13 <sup>h</sup> 21 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>						4242	278	5°69'35	13°96'01	65	947	9'1	
4153	288	18°23'35	12°02'78	65	919	9'4	Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						4243	8	13°11'70	13°58'33				
4154	7	22°45'49	12°87'93				Plate 2554. 1895, April 23.							388	3°44'55	1°37'14	64	956	9'4	
4155	478	24°40'61	12°01'53	65	923	8'7	R.A. 13 <sup>h</sup> 39 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup>						Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°							
4156	268	16°71'40	13°40'83	65	918	9'5	Plate 346. 1892, April 25.						R.A. 13 <sup>h</sup> 39 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup>							
4157	5	17°50'47	13°27'55				4198	11	17°90'03	2°79'44	°	m.	4244	5	14°63'41	2°96'74	°	m.		
4158	14	21°01'48	13°40'97				4199	24	22°63'78	2°12'33			4245	5	19°41'37	2°93'49				
4159	9	22°83'48	13°32'09				4200	9	17°93'98	3°95'05			4246	39	20°03'37	2°45'90	64	966	8'5	
4160	238	23°13'57	13°66'62	65	921	9'4	4201	34	24°40'60	5°50'76	64	954	9'1	4247	378	16°97'22	4°69'35	64	964	8'5
	86	26°27'56	3°94'39	64	938	8'0	4202	448	25°36'71	6°36'81	64	955	9'4	4248	8	17°27'51	4°42'26			
R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup>						R.A. 13 <sup>h</sup> 21 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>						R.A. 13 <sup>h</sup> 39 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup>								
Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°								
Plate 2554. 1895, April 23.						Plate 2554. 1895, April 23.						Plate 346. 1892, April 25.								
4161	19	7°33'45	2°90'07	64	942	9'5	4203	23	22°42'00	7°80'34	64	952	9'5	4249	5	21°63'26	4°20'54			
4162	7	7°51'42	2°51'67				4204	20	23°61'41	7°67'54	64	953	9'5	4250	12	23°52'30	5°25'23			
4163	8	8°72'20	2°03'11				4205	12	16°86'16	8°23'55			4251	21	17°22'02	6°90'45	64	965	9'3	
4164	19	9°01'81	2°28'96				4206	7	17°05'43	8°35'23			4252	9	18°87'59	6°00'57				
4165	698	2°75'23	3°83'94	64	938	8'0	4207	12	18°26'21	8°29'18			4253	13	19°43'27	6°28'10				
4166	428	5°70'85	3°05'41	64	939	9'1	4208	14	21°95'07	8°21'00			4254	17	20°51'60	6°81'95				
4167	258	6°92'16	3°35'99				4209	6	14°98'43	9°41'37			4255	228	16°54'75	7°15'38	64	963	9'0	
4168	298	7°92'85	3°04'53	64	945	8'6	4210	4	19°61'52	9°89'18			4256	5	20°08'24	7°63'11				
4169	10	8°95'39	3°75'69				4211	6	20°91'08	9°08'82			4257	6	19°84'97	8°79'69				
4170	9	10°47'07	3°49'50				4212	17	21°18'18	9°47'41			4258	5	20°64'25	8°31'92				
4171	428	7°44'07	4°98'55	64	943	8'3	4213	3	16°10'32	10°34'47			4259	278	21°01'20	8°42'19	64	968	8'8	
4172	468	2°03'68	5°21'75	64	936	9'0	4214	11	16°75'46	10°97'76			4260	22	24°61'91	8°12'39				
4173	14	6°03'21	5°45'16				4215	14	17°69'51	10°81'12			4261	8	22°64'58	9°11'30				
4174	9†	11°41'50	5°28'78				4216	658	21°12'47	10°33'84	64	951	7'0	4262	19	15°38'02	11°71'73	65	955	9'4
4175	368	2°70'29	7°08'00	64	937	9'4	4217	9	18°67'36	12°37'86			4263	11	20°97'07	11°94'85				
4176	20	6°29'65	7°87'36	64	940	9'3	4218	258	19°79'24	12°79'97	65	938	9'4	4264	12	23°16'52	11°52'99			
4177	308	7°34'94	7°29'52				4219	5	21°75'42	12°45'34			4265	298	14°07'27	12°34'52	65	954	9'0	
4178	238	7°58'40	7°77'64	64	944	9'5	4220	6	14°82'74	13°66'10			4266	358	16°62'77	12°24'54	65	956	8'8	
4179	448	10°14'83	7°59'10	64	946	7'5	4221	11	20°82'38	13°86'01			4267	19	17°52'73	12°53'67	65	959	9'5	
4180	10	13°78'23	7°78'81				4222	438	24°20'58	13°90'69	65	943	8'6	4268	9	20°91'68	12°33'10			
4181	14	4°99'54	8°11'67				R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 39 <sup>m</sup>						4269	5	21°13'62	12°04'95				
4182	198	8°76'84	8°25'58				Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°						4270	19	23°24'06	12°66'94				
4183	14	8°97'03	8°30'37				Plate 346. 1892, April 25.						4271	7	19°95'25	13°81'31				
	20	4°91'51	9°72'63				4223	4	6°16'49	2°42'33	°	m.	4272	22	24°03'89	13°25'90				
							4224	6	12°01'93	4°38'64										
							4225	4	12°49'19	4°82'38				53	26°68'02	4°37'56	64	969	9'1	

Le réseau interval represents very nearly  $5' = 45^s.6$  of R. A. for  $y = 2$  (Dec. +  $64^\circ$ ), and  $= 47^s.3$  for  $y = 14$  (Dec. +  $65^\circ$ ).



ZONE + 64°.

[illegible]

Nos. 4393 and 4423 are measured on plates 2568 and 2074.

1 *réseau* interval represents very nearly  $5' = 45^s.6$  of R.A. for  $y = 2$  (Dec. +  $64^\circ$ ), and  $= 47^s.3$  for  $y = 14$  (Dec. +  $65^\circ$ ).

ZONE + 64°.

R. A. 14 <sup>h</sup> 15 <sup>m</sup> to 14 <sup>h</sup> 24 <sup>m</sup>						R. A. 14 <sup>h</sup> 33 <sup>m</sup> to 14 <sup>h</sup> 42 <sup>m</sup>						R. A. 14 <sup>h</sup> 42 <sup>m</sup> to 14 <sup>h</sup> 51 <sup>m</sup>					
Plate 2568—contd.						Centre R. A. 14 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2074. 1894, May 31.						Plate 2639—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
4424	54S	16'2679	11'8889	65° 99'	7'9	4472	5†	15'4826	1'9905	°	m.	4522	22S	7'3058	3'6244	64° 1030	9'2
4425	6	16'5325	11'2607			4473	4	17'8715	2'1630			4523	40S	7'8474	3'8150	64° 1031	7'8
4426	16	17'7372	11'4365			4474	33	25'7939	2'3095			4524	10	8'0623	3'1978		
4427	19	19'8105	11'7245	65° 993	9'5	4475	7	17'4987	3'1285			4525	7	10'8027	3'7006		
4428	7	21'3148	11'0942			4476	13	16'3148	4'6071			4526	22S	4'9522	4'0513	64° 1027	9'0
4429	7	16'4244	12'5548			4477	8	19'0271	4'1017			4527	26S	12'2215	4'0470	64° 1034	8'9
4430	4	16'9363	13'2621			4478	43S	21'5316	4'9767	64° 1020	9'0	4528	14	10'8114	5'5157		
	59S	23'7922	1'9018	64° 1001	8'8	4479	29	22'1793	4'5868			4529	10	8'8161	6'5478		
						4480	41S	23'3983	4'7661	64° 1022	9'3	4530	30S	9'6660	6'2008	64° 1033	9'0
						4481	11	15'6469	5'8959			4531	8	12'5573	6'1265		
						4482	20	17'8218	5'4216			4532	14	4'7102	7'0255		
						4483	16	18'6239	5'2060			4533	9	5'0508	7'9080		
						4484	9	19'7659	5'5418			4534	21S	8'4243	8'7894	64° 1032	9'5
						4485	28S	16'3332	6'9251	64° 1015	9'5	4535	8	10'0772	8'8558		
						4486	10	16'3918	6'0770			4536	11	11'0426	8'4592		
						4487	6	17'3012	6'4542			4537	20S	7'7696	12'2196		
						4488	12	18'6131	6'7062			4538	39S	7'0716	13'7492	65° 1014	8'0
						4489	6	21'3734	6'7231								
						4490	13	24'4033	6'2582				30S	1'0425	9'4737	64° 1023	8'8
						4491	5	15'2709	7'4612				24	4'7251	1'0911	64° 1026	9'1
						4492	8	17'6698	7'9080				11	5'7078	1'8079	64° 1028	9'4
						4493	30S	17'9657	7'9315	64° 1016	9'3						
						4494	24S	22'9409	7'8944								
						4495	10	15'8321	8'1569								
						4496	9	15'8983	8'4112								
						4497	15	19'4192	8'7687								
						4498	62S	19'5240	8'9772	64° 1018	7'0						
						4499	28S	24'8659	8'5628								
						4500	5	19'8847	9'2534								
						4501	24S	20'4618	9'9085								
						4502	49S	24'2778	9'2661	64° 1023	8'8						
						4503	9	14'2736	10'1841								
						4504	4†	18'3429	10'8115								
						4505	4	18'5034	10'7818								
						4506	60S	19'0533	10'6449	64° 1017	7'3						
						4507	19S	20'8001	10'0701								
						4508	26	24'5391	10'4819	64° 1024	9'5						
						4509	21S	14'1612	11'3853	64° 1013	9'5						
						4510	8	22'1607	11'5552								
						4511	10	23'6116	11'9785								
						4512	20	25'7409	11'1709								
						4513	3	16'6800	12'9119								
						4514	5	22'2000	12'5904								
						4515	7	25'6733	12'7441								
						4516	5	15'3309	13'2559								
						4517	5	21'7087	13'6449								
							65S	15'4086	0'7137	64° 1014	7'4						

Nos. 4553 and 4557 are measured on plates 2639 and 359.

<sup>1</sup> *réseau* interval represents very nearly  $5' = 45^{\text{s}}.6$  of R.A. for  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).



ZONE + 64°.

B. D.					B. D.					B. D.				
No.	Diam.	x.	y.		No.	Diam.	x.	y.		No.	Diam.	x.	y.	
No.		Mag.			No.		Mag.			No.		Mag.		
R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 9 <sup>m</sup>					R.A. 15 <sup>h</sup> 9 <sup>m</sup> to 15 <sup>h</sup> 18 <sup>m</sup>					R.A. 15 <sup>h</sup> 27 <sup>m</sup> to 15 <sup>h</sup> 36 <sup>m</sup>				
Plate 359—contd.					Plate 359—contd.					Centre R.A. 15 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2044. 1894, May 17.				
4562	7	13.6396	4.3294	m.	4610	10	18.1459	8.4413	°	4657	72§	21.0521	4.8803	64 1077
4563	16	3.2747	5.2238		4611	5	19.0155	8.2331		4658	20	22.0154	4.3334	
4564	13	8.2687	5.3199		4612	6	23.5238	9.3622		4659	47	24.3697	4.8301	64 1080
4565	10	9.6131	5.8361		4613	4	20.3807	10.2608		4660	25§	14.9839	5.9340	64 1072
4566	41§	7.5936	6.9292	64 1046	4614	23§	20.5045	10.2182	64 1058	4661	40§	16.3902	6.1443	64 1073
4567	11	11.2898	6.9220		4615	4	15.4698	11.0611		4662	9	16.7118	6.5780	
4568	7	7.5100	7.2749		4616	5	18.5588	11.5900		4663	3	17.5485	6.5858	
4569	20§	7.9048	7.6343	64 1047	4617	7	23.5613	11.3141		4664	26§	17.6332	7.7588	64 1075
4570	33§	11.7003	7.2746	64 1049	4618	16	24.8893	11.1997		4665	4	17.7119	7.3980	
4571	8	13.0139	7.1973		4619	14	15.5941	12.6080		4666	43§	22.7198	7.1534	64 1078
4572	5	6.2533	8.8636		4620	5	22.1164	12.4764		4667	33§	23.7988	7.2345	64 1079
4573	8	12.1019	8.3364		4621	4	22.4152	12.8125		4668	21	14.0782	8.9126	64 1071
4574	8	12.5577	8.3324		4622	11	14.5757	13.7307		4669	85§	17.2633	8.4875	64 1074
4575	5	7.3972	9.4949		4623	24§	14.6113	13.9342	65 1040	4670	23	17.9642	8.3581	
4576	4	12.8656	9.3998		4624	6	16.0520	13.2215		4671	7	18.1941	8.5661	
4577	10	8.6105	10.0810		4625	4	18.7068	13.5440		4672	6	20.1220	8.4693	
4578	21§	9.5903	10.6716							4673	4	16.4795	9.1903	
4553	17	2.0636	11.0443			53§	15.2587	1.6749	64 1052	4674	38§	17.5727	9.6050	64 1076
4579	50§	7.0381	11.4693	64 1043		32§	26.7993	10.6775	64 1064	4675	8	18.7675	9.6297	
4580	6	12.3939	11.8895		R.A. 15 <sup>h</sup> 18 <sup>m</sup> to 15 <sup>h</sup> 27 <sup>m</sup>					4676	2	18.4961	10.6951	
4581	14	4.9674	12.7739		Centre R.A. 15 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°					4677	3	20.6104	10.4035	
4582	22§	8.1099	12.5337	65 1034	Plate 2044. 1894, May 17.					4678	9	21.8378	10.4020	
4583	5	8.6417	12.4127							4679	9	17.5815	11.7628	
4584	51§	11.4977	12.8446	65 1039						4680	49§	25.1137	11.3161	64 1081
4585	5	11.3035	13.0149							4681	14	18.6071	12.1241	
4557	39§	2.4689	13.0953	65 1032						4682	9	23.4505	12.2721	
	22	9.6173	0.9972	64 1048	4626	19	6.4039	2.5211	64 1065	4683	22	24.0080	12.4093	
R.A. 15 <sup>h</sup> 9 <sup>m</sup> to 15 <sup>h</sup> 18 <sup>m</sup>					4627	2†	8.2936	2.8811		4684	18	24.5857	12.6092	
Centre R.A. 15 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°					4628	10	13.8528	3.9253	64 1070	4685	14	15.9925	13.8249	65 1058
Plate 359. 1892, April 29.					4629	29	2.0783	4.0760	64 1063	4686	28	16.9483	13.9645	65 1059
4586	21	14.8389	2.7420	°	4630	20	6.6719	4.5550		4687	13	18.3793	13.5844	
4587	59§	15.4517	2.0489	64 1053	4631	41§	8.5842	4.8641	64 1067	4688	11	24.4235	13.5719	
4588	35§	20.8004	3.0531	64 1059	4632	18	8.0217	5.9304		R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 45 <sup>m</sup>				
4589	40§	21.0670	3.4515	64 1060	4633	30	2.1149	6.3253	64 1062	Centre R.A. 15 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				
4590	24	23.4445	3.2848	64 1061	4634	20	4.5835	6.1804		Plate 2657. 1895, June 5.				
4591	29	25.5974	3.8641	64 1063	4635	9	12.9311	6.9935		4689	12	4.5906	2.0272	°
4592	8*	25.9160	3.7229		4636	20	9.3944	7.6935		4690	23§	8.3267	2.4824	64 1085
4593	41§	14.0847	4.7275	64 1050	4637	7	8.0241	8.3415		4691	9	10.4487	2.5703	
4594	22	18.4401	4.4431		4638	6	8.6831	8.2554		4692	6	11.8704	2.4551	
4595	17	19.4247	4.8756		4639	5	4.1818	9.7725		4693	8	2.7879	3.4919	
4596	5	15.3384	5.5454		4640	8	12.3218	9.1418		4694	8	5.9149	3.6457	
4597	20	16.1680	5.9168	64 1055	4641	28§	12.5751	9.5375	64 1069	4695	17	10.0723	3.2000	
4598	7	16.8049	5.9241		4642	7	3.3440	10.8490		4696	10	12.5270	3.7511	
4599	5	17.4540	5.9061		4643	22	3.7611	10.7849	64 1064	4697	11	13.6112	3.2852	
4600	7	15.6485	6.2768		4644	13	5.0049	10.9678		4698	7	4.4832	4.4456	
4601	6	19.6950	6.7979		4645	9	5.2496	10.8948		4699	2	5.7330	4.7780	
4602	9	20.0460	6.6057		4646	4	9.5929	10.7148		4700	9	6.1942	4.4369	
4603	21	23.2125	6.1441		4647	19	9.4540	11.1684		4701	6	9.2800	4.2242	
4604	4	23.7263	6.6741		4648	23	3.1094	12.4731		4702	22§	11.2727	4.8731	
4605	34§	25.4710	6.1095	64 1062	4649	14	6.3252	12.0285		4703	3	11.3620	4.0997	
4606	18	17.7050	7.3307	64 1057	4650	18	10.2972	12.9933		4704	31§	7.0797	5.7832	64 1083
4607	7	23.1228	7.9781		4651	4*	10.3472	12.7101		4705	2	7.1294	5.5155	
4608	13	24.6905	7.2089		4652	3	12.2955	12.4265		4706	21§	11.1325	5.6223	
4609	9	15.9935	8.3580	64 1054	4653	4	12.5267	12.4470		4707	6	4.2843	6.7157	
					4654	4	13.5521	12.4417		4708	21§	8.9797	6.2107	
					4655	7	5.9151	13.0534						
					4656	2	9.0964	13.2991						

No. 4680 is measured on plates 2044 and 2657.

1 réseau interval represents very nearly  $5' = 45^{\text{s}}.6$  of R. A. for  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).

## ZONE + 64°.

R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 45 <sup>m</sup> Plate 2657—contd.						R.A. 15 <sup>h</sup> 45 <sup>m</sup> to 15 <sup>h</sup> 54 <sup>m</sup> Centre R.A. 15 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2657. 1895, June 5.						R.A. 15 <sup>h</sup> 45 <sup>m</sup> to 15 <sup>h</sup> 54 <sup>m</sup> Plate 2657—contd.					
No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
4709	4	11°4862	6°1870		m.	4764	4	15°9312	2°4057		m.	4823	4	21°0567	10°0971		m.
4710	14	12°3792	6°8491			4765	8	17°9142	2°6070			4824	26§	25°0649	10°2178	64 1100	9°5
4711	2	12°6176	6°7645			4766	31§	19°7846	2°4547	64 1093	9°5	4825	5	14°5468	11°7579		
4712	21§	12°9442	6°7591	64 1088	9°5	4767	13§	20°8654	2°6094			4826	19§	14°7534	11°4294		
4713	2	13°8529	6°4542			4768	50§	21°0578	2°4198	64 1096	8°3	4827	6	15°6097	11°1941		
4714	3	13°8937	6°6779			4769	16	21°8934	2°7343			4828	4	19°6144	11°5431		
4715	3	2°6359	7°8041			4770	8	23°3856	2°9425			4829	13	22°6526	11°5056		
4716	7	3°8872	7°7871			4771	32§	24°8285	2°4508			4830	6	24°1820	11°9907		
4717	6	5°2481	7°9190			4772	14	16°8009	3°1966			4831	4	17°3227	12°3070		
4718	29§	6°2987	7°0169	64 1082	9°1	4773	16§	19°1775	3°8988			4832	12	20°4134	12°5278		
4719	7	7°7629	7°9426			4774	19§	14°8745	4°8899			4833	7	20°8459	12°3289		
4720	3	10°0622	7°2062			4775	7	15°4029	4°4652			4834	21§	23°4997	12°8665		
4721	13	6°2291	8°0815			4776	17	17°6115	4°2686			4835	30§	23°5341	12°2221	64 1099	9°3
4722	4	7°5002	8°3735			4777	14	18°0444	4°4479			4836	5	14°8728	13°8831		
4723	41§	13°5862	8°9529	64 1089	8°2	4778	14	20°0287	4°2106			4837	7	16°7674	13°3303		
4724	11	13°6232	8°8240			4779	5	21°0207	4°6850			4838	20§	17°1797	13°5932		
4725	8	2°1875	9°2084			4780	5	21°3120	4°6822			4839	4	19°6226	13°5392		
4726	3	5°0893	9°2497			4781	7	25°4287	4°8011			4840	7	19°7830	13°5950		
4727	3	8°8847	9°3521			4782	6†	25°7054	4°5955			4841	17§	21°1957	13°5252		
4728	3	10°6679	9°6420			4783	24§	15°3092	5°3879			4842	3	24°6858	13°7378		
4729	5	11°4855	9°8953			4784	19§	17°5751	5°1144				50§	26°7735	6°9298	64 1101	9°3
4730	4	11°6638	9°4673			4785	7	17°6948	5°9695			R.A. 15 <sup>h</sup> 54 <sup>m</sup> to 16 <sup>h</sup> 3 <sup>m</sup> Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 2046. 1894, May 17.					
4731	4	13°9360	9°2739			4786	20§	18°3097	5°8870								
4732	16	5°4482	10°2765			4787	6	18°7314	5°8807								
4733	3	7°6309	10°5871			4788	18§	19°3973	5°8909	64 1095	9°0						
4734	5	10°1105	10°5583			4789	30§	20°9472	5°8599			R.A. 15 <sup>h</sup> 54 <sup>m</sup> to 16 <sup>h</sup> 3 <sup>m</sup> Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 2046. 1894, May 17.					
4680	44§	2°0838	11°3201	64 1081	8°5	4790	4	22°4521	5°7184	64 1097	9°5						
4735	29§	7°2640	11°5936	64 1084	9°1	4791	23§	22°6492	5°5622								
4736	40§	11°7482	11°4265	64 1086	8°7	4792	5	22°9588	5°1563								
4737	22§	11°9670	11°5249	64 1087	9°3	4793	4†	15°5943	6°6101	64 1091	9°0	4843	43§	8°9352	2°3658	64 1106	8°9
4738	3	2°7829	12°6635			4794	37§	17°1758	6°7735			4844	11	11°9497	2°8068		
4739	14§	3°9358	12°6818			4795	8	17°3958	6°3920			4845	42§	3°7133	3°2693	64 1102	9°1
4740	3†	4°4786	12°0896			4796	8†	24°9763	6°2082			4846	57§	6°4979	3°3845	64 1104	8°3
4741	16	5°0590	12°3445			4797	6	14°1512	7°1136			4847	8	8°1277	3°6864		
4742	9	6°3613	12°3289			4798	13	17°3750	7°4090			4848	10	9°9580	3°1663		
4743	20§	8°7526	12°5469			4799	4	20°8261	7°2056			4849	9	12°8057	3°4181		
4744	5	9°1902	12°4985			4800	11	23°9423	7°4642			4850	17	6°6706	4°6729		
4745	4	9°7939	12°7494			4801	7	24°0465	7°9090			4851	8	9°7713	5°8066		
4746	8	10°0187	12°0849			4802	3*	25°0447	7°8204			4852	12	12°9270	5°5975		
4747	7	10°0379	12°0945			4803	11	16°7496	8°0942	64 1092	9°5	4853	35§	3°4081	6°8225	64 1101	9°3
4748	8	10°3776	12°7181			4804	24§	17°3323	8°6945			4854	19	5°2531	6°4418	64 1103	9°5
4749	39§	12°2226	12°3590	65 1076	8°8	4805	5	19°7525	8°3746			4855	22	10°9368	6°4110	64 1107	9°5
4750	4	12°6053	12°3993			4806	5	20°4166	8°2127	64 1094	9°0	4856	8	8°0505	7°2414		
4751	7	13°5461	12°9989			4807	33§	20°4244	8°2224			4857	4*	12°9251	7°0742		
4752	10	2°8266	13°9348			4808	7	21°6806	8°8617			4858	6	8°4368	10°0829		
4753	19§	3°4033	13°9455			4809	26§	22°5062	8°1803			4859	11	8°4701	10°0364		
4754	4	4°1692	13°6735			4810	10	25°2888	8°1619			4860	20	3°2447	11°1561		
4755	24§	4°2710	13°7687	65 1067	9°0	4811	5	18°8194	9°4305			4861	46§	8°7415	11°8656	64 1105	8°5
4756	55§	5°8649	13°8210	65 1069	7°3	4812	4	19°3806	9°5771			4862	6	9°2793	11°1933		
4757	2	6°2971	13°1497			4813	5†	19°5620	9°6603			4863	6	3°1100	12°5207		
4758	4	6°5067	13°3369			4814	3	22°6725	9°2196	64 1098	9°5	4864	5	3°6599	12°6378		
4759	2	6°5141	13°7130			4815	10	23°0313	9°9176			4865	24	4°0884	12°3375		
4760	5	9°3436	13°3363			4816	26§	23°3144	9°4710			4866	23	5°0528	12°7230		
4761	7	10°4578	13°5919			4817	21§	15°5374	10°4044			4867	5	7°6683	12°9048		
4762	4	11°2785	13°2859			4818	4	18°2291	10°7113			4868	13	13°4624	12°7661		
4763	9	11°6601	13°5407			4819	5	18°2461	10°9345			4869	12	13°7066	12°3115		
						4820	12	18°3546	10°3872								
						4821	4	19°0769	10°7237								
						4822	6	19°8547	10°2715								



Z O N E + 64°.

R.A. 16 <sup>h</sup> 3 <sup>m</sup> to 16 <sup>h</sup> 12 <sup>m</sup>					R.A. 16 <sup>h</sup> 21 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup>					R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 39 <sup>m</sup>				
Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°					Centre R.A. 16 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					Centre R.A. 16 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°				
Plate 2046. 1894, May 17.					Plate 423. 1892, June 13.					Plate 392—contd.				
No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Mag.
R.A. 16 <sup>h</sup> 12 <sup>m</sup> to 16 <sup>h</sup> 21 <sup>m</sup>					R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 39 <sup>m</sup>					R.A. 16 <sup>h</sup> 39 <sup>m</sup> to 16 <sup>h</sup> 48 <sup>m</sup>				
Centre R.A. 16 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					Centre R.A. 16 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°					Centre R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. + 65°				
Plate 423. 1892, June 13.					Plate 392. 1892, May 23.					Plate 392—contd.				
No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Mag.
4870	12	22°18'20	2°17'52	0	4920	7	14°44'06	3°44'28	0	4968	12	8°26'08	4°31'77	0
4871	21	16°41'06	3°10'48	64 1109	4921	4	14°44'22	4°78'07	0	4969	16	8°27'04	4°21'58	0
4872	8	17°70'37	3°62'82	9°5	4922	24	21°91'53	4°39'63	64 1134	4970	24§	9°32'70	4°20'10	9°5
4873	10	14°20'20	5°19'68	9°5	4923	9	24°12'78	4°81'98	64 1129	4971	12	11°34'04	4°99'66	8°0
4874	10†	25°14'52	5°20'87	9°5	4924	8	16°79'41	5°81'84	64 1127	4972	11	13°26'27	4°19'03	8°6
4875	22	19°79'41	6°09'47	9°5	4925	45§	15°88'88	6°01'92	9°5	4973	23§	13°40'34	4°66'56	9°4
4876	6	21°92'08	6°88'56	9°5	4926	5	16°59'80	6°80'69	9°5	4974	16	13°98'03	4°06'84	9°4
4877	22	21°61'20	7°78'01	9°5	4927	21	16°94'68	6°98'42	9°5	4975	11	2°48'92	5°77'62	9°4
4878	25	17°30'02	8°69'36	64 1110	4928	4	19°92'18	6°37'39	64 1131	4976	38§	2°60'03	5°89'98	9°4
4879	56§	19°32'91	8°00'81	64 1112	4929	13	14°40'19	7°97'99	9°5	4977	6	3°66'07	5°65'10	9°4
4880	13	19°85'58	8°34'94	9°5	4930	19	18°60'51	7°29'93	9°5	4978	5	4°20'03	5°52'63	9°4
4881	4	15°07'17	9°15'13	9°5	4931	12	19°36'87	7°27'25	9°5	4979	10	5°61'50	5°02'76	9°4
4882	20	20°00'00	9°68'90	9°5	4932	37§	22°86'57	7°58'22	64 1135	4980	12	6°62'63	5°66'50	9°4
4883	17	22°26'49	9°35'52	64 1114	4933	32§	14°66'20	8°38'57	64 1127	4981	19	7°21'86	5°06'41	9°4
4884	7	24°46'65	9°21'87	9°5	4934	19	17°45'49	8°18'80	9°5	4982	6	7°62'46	5°33'53	9°4
4885	6	16°05'05	10°68'31	9°5	4935	19	22°15'23	8°09'14	9°5	4983	19	9°10'47	5°91'09	9°4
4886	20	16°89'24	10°33'27	9°5	4936	14	24°26'31	8°64'81	9°5	4984	18	9°18'21	5°33'29	9°4
4887	24§	17°42'37	10°30'56	64 1111	4937	24§	14°33'83	9°19'75	9°5	4985	10	9°37'11	5°38'27	9°4
4888	4	24°82'90	10°87'16	9°5	4938	7	16°19'63	9°71'76	9°5	4986	22§	10°66'14	5°60'32	9°4
4889	8	19°38'79	11°76'43	9°5	4939	17	18°81'50	9°57'81	9°5	4987	8	11°30'44	5°94'07	9°4
4890	22	22°35'80	11°30'96	64 1115	4940	8	19°43'29	9°76'86	9°5	4988	8	12°62'23	5°86'70	9°4
4891	4	21°75'70	12°28'18	9°5	4941	6	14°49'26	10°38'51	64 1131	4989	6	7°66'03	6°24'70	9°4
4892	22	21°80'86	12°95'87	9°5	4942	28§	19°87'62	10°40'52	64 1131	4990	5	9°03'70	6°48'71	9°4
4893	63§	16°72'83	13°38'71	65 1098	4943	8	20°84'03	10°14'56	9°5	4991	16	9°14'97	6°39'74	9°4
4894	20	23°90'25	13°08'07	65 1103	4944	17	23°67'32	10°58'62	9°5	4992	7	10°33'63	6°66'68	9°4
	50§	26°87'51	9°22'86	64 1116	4945	6	25°86'67	10°53'52	9°5	4993	40§	10°40'49	6°08'02	64 1143
					4946	21	14°19'17	11°43'92	9°5	4994	38§	5°72'63	7°31'42	64 1138
					4947	23	19°09'52	11°08'22	9°5	4995	7	5°78'27	7°86'23	9°5
					4948	20	22°37'28	11°90'87	9°5	4996	8	6°41'21	7°96'59	9°5
					4949	10	14°21'70	12°01'59	9°5	4997	6	8°08'19	7°47'88	9°5
					4950	24§	14°50'16	12°66'45	9°5	4998	10	11°18'17	7°57'57	9°5
					4951	6	15°90'03	12°74'39	9°5	4999	6	6°02'49	8°86'16	9°5
					4952	8	23°33'46	12°34'04	9°5	5000	24§	7°17'85	8°70'35	9°5
					4953	6	20°26'50	13°99'18	9°5	5001	8	10°92'84	8°96'48	9°5
					4954	11	21°03'38	13°48'62	9°5	5002	7	12°81'58	8°42'85	9°5
					4955	9	21°18'26	13°70'96	9°5	5003	8	3°13'27	9°96'66	9°5
					4956	6	21°36'42	13°80'85	9°5	5004	5	4°91'23	9°42'68	9°5
										5005	6	5°84'11	9°46'77	9°5
										5006	44§	6°16'91	9°54'32	64 1139
										5007	19	8°75'92	9°40'65	9°5
										5008	12	12°44'51	9°63'96	9°5
										5009	5	13°60'61	9°27'83	9°5
										5010	6	2°40'70	10°90'34	9°5
										4945	16	2°74'02	10°50'45	9°5
										5011	3	3°91'64	10°67'72	9°5
										5012	6	6°03'97	10°47'71	9°5
										5013	8	7°68'01	10°21'58	9°5
										5014	39§	8°45'25	10°65'88	64 1141
										5015	16	8°50'06	10°93'56	9°5
										5016	4	9°06'63	10°35'91	9°5
										5017	13	3°96'44	11°41'65	9°5
										5018	13	6°23'25	11°47'32	9°5
										5019	26§	8°61'73	11°00'04	9°5
										5020	26§	12°20'00	11°75'82	9°5
										5021	15	12°81'87	11°14'70	9°5
										5022	4	12°80'85	11°88'96	9°5
										5023	19	3°32'18	12°98'66	9°5
										5024	5	12°91'30	12°64'49	9°5
										5025	11	3°02'24	13°15'62	9°5

No. 4945 is measured on plates 392 and 423.

1 réseau interval represents very nearly  $5' = 45^s.6$  of R.A. for  $y = 2$  (Dec.  $+ 64^\circ$ ), and  $= 47^s.3$  for  $y = 14$  (Dec.  $+ 65^\circ$ ).

## ZONE + 64°.

R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 39 <sup>m</sup> Plate 392— <i>contd.</i>						R.A. 16 <sup>h</sup> 39 <sup>m</sup> to 16 <sup>h</sup> 48 <sup>m</sup> Plate 392— <i>contd.</i>						R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 16 <sup>h</sup> 57 <sup>m</sup> Plate 437— <i>contd.</i>						
No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	B. D.		
				No.	Mag.					No.	Mag.					No.	Mag.	
5026	44 <sup>s</sup>	5.1156	13.1264	65	1127	9.0	5078	5	23.3343	10.4764		5127	8	7.3274	11.8363			
5027	11	7.1641	13.3432				5079	9	24.2417	10.6164		5128	23	3.3058	12.7838			
5028	5	7.6779	13.3450				5080	120 <sup>s</sup>	15.5569	11.5003	64 1145	5.2	5129	26 <sup>s</sup>	3.4706	12.8457		
5029	16	7.9811	13.8114				5081	13	18.5901	11.5915		5130	16	4.7011	12.6139			
5030	12	8.3195	13.3423				5082	20	18.5981	11.5897		5131	25 <sup>s</sup>	6.3116	13.5875			
5031	5	8.7046	13.4674				5083	23 <sup>s</sup>	21.1000	11.7957		5132	10	7.5360	13.5400			
5032	4	8.4019	13.5904				5084	5	22.4753	11.0168		5133	8	11.5322	13.5402			
5033	9	9.3118	13.8265				5085	6	23.5035	11.2099		5134	37 <sup>s</sup>	12.6068	13.0850	65 1158	9.5	
							5086	6	24.0297	11.5114								
							5087	26 <sup>s</sup>	17.6002	12.9832			25	9.3906	1.4356	64 1153	9.3	
							5088	13	24.2749	12.1893								
							5089	21 <sup>s</sup>	24.4658	12.0290								
							5090	40 <sup>s</sup>	18.6898	13.9446	65 1140	9.4						
R.A. 16 <sup>h</sup> 39 <sup>m</sup> to 16 <sup>h</sup> 48 <sup>m</sup> Centre R.A. 16 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 392. 1892, May 23.						R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 16 <sup>h</sup> 57 <sup>m</sup> Centre R.A. 16 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 437. 1892, June 20.						R.A. 16 <sup>h</sup> 57 <sup>m</sup> to 17 <sup>h</sup> 6 <sup>m</sup> Centre R.A. 16 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 437. 1892, June 20.						
5034	17	16.6526	2.5364	°	m.		5091	34	6.4370	2.1921	°	m.	5135	24	14.5538	1.9819	°	m.
5035	62 <sup>s</sup>	16.7459	2.1563	64 1147	8.6		5092	8	7.4176	2.1653			5136	25	20.2250	2.3936		
5036	13	16.7949	2.2200				5093	17	8.4479	2.5452			5137	31	20.8857	1.9901		
5037	21	18.9723	2.5483				5094	64 <sup>s</sup>	9.0898	2.3455	64 1152	7.8	5138	36 <sup>s</sup>	19.0141	3.0962	64 1167	9.1
5038	5	19.1448	2.0504				5095	40 <sup>s</sup>	11.4758	2.0510	64 1160	9.5	5139	35	23.4409	3.9351		
5039	20	19.7167	2.8484				5096	18	6.4356	3.8461			5140	32	23.9801	3.2871		
5040	14 <sup>†</sup>	25.4273	2.5297				5097	23	9.7429	3.7534	64 1155	9.5	5141	23 <sup>s</sup>	14.4405	4.5054	64 1162	9.5
5041	18	15.5971	3.0088				5098	26 <sup>s</sup>	9.8337	3.6789	64 1154	9.4	5142	6 <sup>†</sup>	16.5764	4.9312		
5042	23 <sup>s</sup>	18.7206	3.4612				5099	18	9.9594	3.6820	64 1156	9.5	5143	60 <sup>s</sup>	20.5560	4.0049	64 1171	8.8
5043	14	18.9468	3.6325				5100	35 <sup>s</sup>	10.3133	3.3606	64 1158	9.4	5144	10	15.8208	5.3044		
5044	14	20.7136	3.6425				5101	5 <sup>†</sup>	5.3674	4.0550			5145	14	17.8273	5.5365		
5045	12	22.2386	3.8572				5102	32	3.5558	5.6021			5146	44	19.9637	5.6403	64 1169	8.8
5046	19	15.2527	4.3466				5103	18	4.9051	5.2033			5147	23	21.8087	5.5311		
5047	18	19.3709	4.0140				5104	51 <sup>s</sup>	6.0418	5.3985	64 1149	8.0	5148	7	21.9512	5.5824		
5048	17	21.4090	4.0350				5105	9	6.4934	5.2213			5149	31	23.1504	5.2395		
5049	18	22.6164	4.9927				5106	37 <sup>s</sup>	8.6754	5.6050	64 1151	8.8	5150	40 <sup>s</sup>	24.4480	5.4596	64 1173	9.5
5050	20	15.4632	5.5810				5107	26 <sup>s</sup>	10.2532	5.1482	64 1157	9.5	5151	36 <sup>s</sup>	24.4472	5.9384	64 1174	9.5
5051	21 <sup>s</sup>	16.5595	5.7175	64 1146	9.5		5108	8	10.4362	5.2435			5152	7*	24.9333	5.7475		
5052	12	16.6592	5.6910				5109	27	10.7636	5.3150	64 1159	9.5	5153	9*	25.5335	5.6500		
5053	23 <sup>s</sup>	21.0360	5.5287				5110	31 <sup>s</sup>	3.0625	6.6030			5154	8 <sup>†</sup>	25.5639	5.5103		
5054	20 <sup>s</sup>	16.5800	6.5743				5111	13	7.3615	6.1647			5155	5*	25.5833	5.1107		
5055	14	19.3699	6.8711				5112	6	7.7214	6.7564			5156	18	21.9095	6.4461		
5056	7	20.2522	6.5249				5113	27 <sup>s</sup>	8.4237	6.3162	64 1150	9.4	5157	57 <sup>s</sup>	14.9502	7.3826	64 1163	8.7
5057	42 <sup>s</sup>	17.1157	7.3082	64 1148	9.4		5114	6	12.8233	6.6740			5158	20	21.4632	7.8970		
5058	14	19.5892	7.0065				5115	7	13.6504	6.3233			5159	36 <sup>s</sup>	22.0823	7.0354	64 1172	9.3
5059	11	23.2848	7.9459				5116	12	2.0012	7.0895			5160	18	22.7933	7.0506		
5060	18	25.3695	7.2712				5117	19	10.9559	7.9193			5161	23	16.3206	8.3750		
5061	18	15.5942	8.8261				5118	8	2.1465	8.7711			5162	13	17.4293	8.6708		
5062	10	17.5124	8.9697				5119	23	5.6350	8.1512			5163	11	18.7916	8.6793		
5063	22 <sup>s</sup>	17.5937	8.7113				5120	16 <sup>s</sup>	10.5109	8.5316			5164	20	19.5866	8.8733		
5064	4	20.6085	8.2127				5121	8	4.5243	9.6049			5165	17	24.9205	8.8450		
5065	36 <sup>s</sup>	22.3914	8.0168				5122	5	6.5892	9.6975			5166	5	18.3295	9.2359		
5066	10	23.7432	8.8727				5123	25	12.1682	9.0747			5167	5	19.2268	9.9967		
5067	17	25.3984	8.9598				5124	23 <sup>s</sup>	12.9714	10.0835			5168	14	16.9825	10.8549		
5068	34 <sup>s</sup>	25.5883	8.2162				5125	10	3.3547	11.8103			5169	45 <sup>s</sup>	19.3054	10.5550	64 1168	9.2
5069	24 <sup>s</sup>	14.0681	9.8953				5126	9	4.3368	11.8126			5170	83 <sup>s</sup>	19.9770	10.8892	64 1170	6.5
5070	14	16.9039	9.9655									5171	13	23.1565	10.6215			
5071	15	18.5751	9.5438									5172	7	23.7621	10.3035			
5072	8	23.1150	9.1553									5173	33 <sup>s</sup>	25.5445	10.1812	64 1175	9.4	
5073	9	19.6644	10.2668									5174	17	14.9254	11.7162			
5074	7	20.3340	10.2182									5175	10	16.4311	12.4909			
5075	10	21.7633	10.1922									5176	30 <sup>s</sup>	16.6846	12.1017	64 1164	9.4	
5076	9	22.9601	10.5121															
5077	9 <sup>†</sup>	23.0379	10.7781															

Nos. 5060, 5067, and 5068 are measured on plates 392 and 437.

Nos. 5153 and 5173 are measured on plates 437 and 2048.

1 réseau interval represents very nearly  $5' = 45.6$  of R.A. for  $y = 2$  (Dec. + 64°), and = 47.3 for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R. A. 16 <sup>h</sup> 57 <sup>m</sup> to 17 <sup>h</sup> 6 <sup>m</sup> Plate 437—contd.						R. A. 17 <sup>h</sup> 6 <sup>m</sup> to 17 <sup>h</sup> 15 <sup>m</sup> Plate 2048—contd.						R. A. 17 <sup>h</sup> 15 <sup>m</sup> to 17 <sup>h</sup> 24 <sup>m</sup> Plate 2048—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
5177	43§	18°57'06	12°02'43	64° 1166	9°0	5227	41§	11°43'21	10°21'61	64° 1182	9°3	5279	9	22°47'39	10°47'27	°	m.
5178	5	18°77'92	12°82'41			5228	2	2°43'59	11°78'08			5280	30	25°76'41	10°42'33	64 1200	9°5
5179	9	23°43'45	12°57'47			5229	13	4°87'52	11°91'39			5281	28§	18°88'76	11°04'53	64 1193	9°5
5180	8	24°77'83	12°05'28			5230	5	5°20'08	11°20'75			5282	5	15°02'97	11°90'55		
5181	7	14°42'38	13°62'18			5231	6	7°07'68	11°62'70			5283	41§	19°97'79	11°74'13	64 1196	8°5
5182	5	16°41'19	13°30'12			5232	24§	9°72'91	11°50'91			5284	6	20°38'79	11°57'49		
5183	5	22°56'08	13°05'81			5233	5	10°24'05	11°14'36			5285	22	21°30'55	11°10'29		
5184	7	23°57'17	13°59'90			5234	6	11°69'75	11°00'12			5286	23	25°07'00	11°84'31		
5185	5	24°57'52	13°48'56			5235	10	11°76'51	11°50'14			5287	11	25°53'01	11°78'00		
5186	14	24°83'43	13°87'93			5236	25§	3°49'45	12°21'81			5288	35§	25°70'10	11°32'93	64 1199	9°5
R. A. 17 <sup>h</sup> 6 <sup>m</sup> to 17 <sup>h</sup> 15 <sup>m</sup> Centre R. A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2048. 1894, May 17.						5237	22	5°66'39	12°13'15	64 1177	9°5	5289	20	15°01'49	12°48'19	64 1189	9°3
						5238	37§	9°37'90	12°77'21	64 1180	9°3	5290	4	15°64'40	12°72'49		
						5239	7	13°23'11	12°02'42			5291	17	16°16'02	12°02'83		
						5240	12	13°51'26	12°93'68			5292	5	17°34'19	12°95'81		
						5241	13	4°93'49	13°77'17			5293	6	17°54'82	12°77'70		
						5242	7	8°22'16	13°29'89			5294	10	14°39'60	13°78'64		
5243	7	9°95'36	13°75'40			R. A. 17 <sup>h</sup> 15 <sup>m</sup> to 17 <sup>h</sup> 24 <sup>m</sup> Centre R. A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2048. 1894, May 17.						5295	13	18°79'55	13°60'69		
5187	16	2°78'32	2°99'90	°	m.	5244	5	17°80'46	2°55'61	°	m.	5296	22	22°25'20	13°83'44		
5188	5	7°64'31	2°67'74			5245	53§	18°67'37	2°31'94	64 1192	8°7	5297	5	23°63'00	13°81'36		
5189	4	7°93'44	2°58'80			5246	40§	14°66'98	3°20'59	64 1187	9°2	5298	22	24°35'60	13°48'82		
5190	21	5°87'29	3°62'09			5247	16	16°49'51	3°12'16			5299	37§	24°50'69	13°66'58	65 1179	9°5
5191	10	6°77'42	3°27'23			5248	81§	16°58'21	3°53'81	64 1191	7°5		71§	26°31'51	4°16'38	64 1202	9°2
5192	15	8°40'06	3°77'27			5249	6	18°95'72	3°24'10			R. A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup> Centre R. A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2672. 1895, June 8.					
5193	21	3°62'06	4°73'50			5250	24	19°13'60	3°73'07	64 1194	9°4	5300	8	2°54'59	2°22'34	°	m.
5194	13	5°84'32	4°20'20			5251	9	20°29'72	3°44'49			5301	23	2°75'29	2°85'17		
5195	12	8°10'92	4°25'07			5252	6*	23°76'79	3°46'28			5302	7*	3°77'50	2°10'26		
5196	8	9°26'26	4°78'56			5253	35	25°90'42	3°40'08			5303	8	3°89'91	2°24'31		
5197	3	10°12'27	4°50'17			5254	41§	16°15'50	4°17'87	64 1190	8°8	5304	13	4°84'86	2°12'03		
5198	21	10°54'13	4°99'94			5255	3*	19°10'26	4°42'63			5305	6	11°78'07	2°52'15		
5199	20	11°45'48	4°50'72			5256	19	22°57'10	4°31'16			5306	5†	12°03'49	2°47'01		
5200	28§	13°25'13	4°14'62	64 1183	9°5	5257	13	22°65'04	4°64'91			5253	40§	2°36'76	3°42'99		
5201	22	13°44'88	4°44'70			5258	21	23°81'05	4°94'40			5307	30§	6°12'47	3°91'71		
5153	6	2°08'09	5°60'71			5259	21	25°32'82	4°29'45			5308	11	6°41'81	3°84'05		
5202	14	4°68'57	5°91'90			5260	11	20°79'18	5°77'76			5309	4	10°21'28	3°40'63		
5203	12	8°01'21	5°84'30			5261	21	25°05'14	5°81'97			5310	16	11°13'34	3°63'86		
5204	9	9°06'16	5°48'56			5262	37	25°51'33	5°62'90			5311	22§	11°95'88	3°18'44		
5205	24	9°18'30	5°37'52			5263	3	18°00'85	6°22'74			5312	57§	2°82'74	4°16'38	64 1202	9°2
5206	10	5°93'42	6°56'38			5264	7*	22°70'43	6°35'94			5313	5*	5°25'51	4°27'36		
5207	10	9°85'34	6°95'23			5265	17	17°84'37	7°53'49			5314	23§	5°82'43	4°82'08		
5208	6	11°01'47	6°09'68			5266	18	14°28'77	8°12'20	64 1186	9°3	5315	16	9°06'06	4°30'54		
5209	9	4°45'12	7°77'51			5267	16	22°50'88	8°27'43			5316	11	10°06'30	4°22'63		
5210	28§	4°63'29	7°36'80	64 1176	9°2	5268	7	24°42'10	8°61'59			5317	9	12°94'60	4°62'40		
5211	5	4°63'27	7°93'72			5269	42§	14°03'24	9°82'85	64 1185	9°1	5318	15§	13°79'41	4°83'72		
5212	3	5°87'86	7°56'39			5270	19	14°90'95	9°62'33	64 1188	9°5	5262	39§	2°12'85	5°68'27		
5213	5	9°73'02	7°11'11			5271	19	15°24'86	9°69'95			5319	5†	2°81'61	5°26'33		
5214	7	3°49'57	8°24'98			5272	35	19°22'46	9°07'68	64 1195	9°5	5320	5*	2°87'31	5°59'22		
5215	23	7°56'40	8°28'27			5273	7	19°79'46	9°05'95			5321	8	3°25'50	5°36'84		
5216	30§	9°28'81	8°40'06	64 1179	9°3	5274	36	20°07'46	9°95'81	64 1197	9°0	5322	15	3°69'49	5°07'35		
5217	60§	13°58'57	8°45'88	64 1184	8°5	5275	5	16°74'29	10°04'78			5323	6	4°89'55	5°64'00		
5218	18§	13°62'75	8°82'74			5276	15	16°75'03	10°69'94			5324	11	8°48'83	5°47'59		
5219	4†	2°85'90	9°89'28			5277	5	17°61'26	10°11'82			5325	8	8°69'60	5°66'40		
5220	3*	4°68'43	9°64'18			5278	44§	21°45'18	10°16'00	64 1198	8°5	5326	14	8°87'30	5°80'17		
5221	6	5°23'40	9°40'89														
5222	3	6°44'78	9°48'84														
5223	16	8°09'06	9°13'62														
5224	23	9°42'16	9°67'01														
5173	31§	2°41'44	10°12'50	64 1175	9°4												
5225	15	5°67'07	10°60'14														
5226	21	11°06'83	10°71'20	64 1181	9°5												

Nos. 5253, 5262, 5280, 5286, 5287, and 5288 are measured on plates 2048 and 2672.

1 réseau interval represents very nearly  $5' = 45^s.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and  $= 47^s.3$  for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup> Plate 2672—contd.						R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup> Plate 2672—contd.						R.A. 17 <sup>h</sup> 33 <sup>m</sup> to 17 <sup>h</sup> 42 <sup>m</sup> Plate 2672—contd.							
No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	B. D.			
				No.	Mag.					No.	Mag.					No.	Mag.		
5327	13 $\frac{8}{8}$	10°2923	5°9570	64 1201	9.5	5382	6 $\frac{1}{2}$	10°3462	12°1102	63 1357	8.5	5431	6	14°2192	10°9695	64 1213	9.2		
5328	12	10°8385	5°2760			5383	5	12°4588	12°1803			5432	6	17°5567	10°9293				
5329	22 $\frac{8}{8}$	11°1542	5°4748			5384	14	4°7153	13°6446			5433	5	18°0626	10°4389				
5330	6 $\frac{1}{2}$	11°5389	5°6909			5385	5	6°1496	13°4860			5434	9	19°6953	10°8815				
5331	6*	12°5091	5°0713			5386	10	11°3302	13°4386			5435	9	19°8315	10°7534				
5332	35 $\frac{8}{8}$	2°6882	6°2061	64 1205	8.5	5387	23 $\frac{8}{8}$	12°6285	13°8603	63 1358	7.5	5436	6	19°8451	10°6169	64 1206	9.1		
5333	29 $\frac{8}{8}$	6°2307	6°6067			5388	28 $\frac{8}{8}$	12°9893	13°7279			5437	6	20°0944	10°4814				
5334	24 $\frac{8}{8}$	7°7154	6°1161									5438	5	21°0948	10°4525				
5335	6	8°2092	6°4523			55 $\frac{8}{8}$	8°2858	1°4051				5439	15	21°9866	10°9100				
5336	55 $\frac{8}{8}$	12°3204	6°1091			75 $\frac{8}{8}$	8°8929	1°1882				5440	22 $\frac{8}{8}$	22°0177	10°7029				
5337	6	12°6095	6°0971	R.A. 17 <sup>h</sup> 33 <sup>m</sup> to 17 <sup>h</sup> 42 <sup>m</sup> Centre R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2672. 1895, June 8.						R.A. 17 <sup>h</sup> 33 <sup>m</sup> to 17 <sup>h</sup> 42 <sup>m</sup> Centre R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2672. 1895, June 8.									
5338	6	13°2194	6°5944	64 1204	8.0	5389	21	15°5785	2°7103	64 1215	9.5	5441	6	22°0739	10°4161	64 1207	9.0		
5339	4*	4°6482	7°2912			5390	21	16°7706	2°7584			5442	18 $\frac{8}{8}$	22°0893	10°4590				
5340	9	6°5935	7°8872			5391	21	18°0629	2°2274			5443	6 $\frac{1}{2}$	22°5697	10°6759				
5341	10	6°5881	7°6106			5392	18	14°1519	3°9702			5444	20	24°4516	10°0905				
5342	22 $\frac{8}{8}$	6°9185	7°3041			5393	15	20°8519	3°6048			5445	6	15°8046	11°6894				
5343	16 $\frac{8}{8}$	9°5444	7°0360	64 1203	9.0	5394	6	21°1543	3°8803	64 1209	9.5	5446	21 $\frac{8}{8}$	16°8984	11°7690	64 1212	8.2		
5344	11 $\frac{1}{2}$	11°5774	7°8025			5395	11	22°5298	3°5850			5447	6	17°7721	11°7899				
5345	7	13°1823	7°8048			5396	5	14°5694	4°6975			5448	6	20°4030	11°9276				
5346	8	13°7836	7°4130			5397	6	15°9269	4°4040			5449	10	20°5032	11°2796				
5347	6	5°4945	8°8077			5398	11	16°0369	4°3922			5450	31 $\frac{8}{8}$	20°7737	11°8217				
5348	11	5°7783	8°6399	64 1200	9.5	5399	23	16°9574	4°3461	64 1208	8.7	5451	13	21°2231	11°1803	64 1207	9.0		
5349	10	5°9263	8°2775			5400	7	17°9489	4°8803			5452	24	25°5737	11°6737				
5350	8	6°1879	8°6242			5401	11	22°5351	4°7407			5453	46 $\frac{8}{8}$	14°1043	12°3973				
5351	6 $\frac{1}{2}$	7°2791	8°8409			5402	10	24°3498	4°5968			5454	58 $\frac{8}{8}$	20°6747	12°8257				
5352	8	7°4494	8°4186			5403	49 $\frac{8}{8}$	24°7114	4°0068			5455	12	23°8070	12°6127				
5353	11	7°7067	8°8337	64 1199	9.5	5404	10	15°6466	5°1763	64 1210	9.4	5456	30	25°6937	12°5495	64 1216	9.1		
5354	21 $\frac{8}{8}$	8°4449	8°0473			5405	10	15°9073	5°7662			5457	43 $\frac{8}{8}$	15°3611	13°3395				
5355	8	10°5142	8°9505			5406	22 $\frac{8}{8}$	16°9127	5°8961			5458	6	16°2402	13°8150				
5356	55 $\frac{8}{8}$	11°6506	8°9455			5407	29 $\frac{8}{8}$	17°9127	5°9980			5459	5	17°8202	13°4347				
5357	5	13°2933	8°6042			5408	6	20°6800	5°8496			5460	12	19°8501	13°7118				
5358	12	2°9637	9°5373	64 1202	9.0	5409	8	21°7570	5°7979	64 1211	9.5	5461	20 $\frac{8}{8}$	20°9726	13°9493	64 1221	9.0		
5359	10	3°7823	9°8247			5410	7*	25°8925	5°6370			5462	6	21°6312	13°4507				
5360	5	5°9578	9°6877			5411	8	16°4139	6°9435			5463	6	23°0069	13°0971				
5361	49 $\frac{8}{8}$	8°2410	9°8963			5412	27 $\frac{8}{8}$	19°2902	6°8968			5464	12	24°0027	13°4025				
5362	6	10°3179	9°1440			5413	19	21°3955	6°7361			R.A. 17 <sup>h</sup> 42 <sup>m</sup> to 17 <sup>h</sup> 51 <sup>m</sup> Centre R.A. 17 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 2673. 1895, June 8.							
5363	4	10°9396	9°1163	64 1201	9.5	5414	30 $\frac{8}{8}$	24°3720	6°5371	64 1212	7.9	5465	8 $\frac{1}{2}$	3°3090	2°6735	64 1224	9.5		
5364	5*	10°9637	9°3613			5415	46	16°4632	7°3076			5466	15	3°3131	2°0193				
5365	23 $\frac{8}{8}$	11°5200	9°7648			5416	8	17°5641	7°4402			5467	7	5°5871	2°4788				
5366	31 $\frac{8}{8}$	2°7135	10°4479			5417	16	20°3235	7°4209			5468	5*	7°9084	2°3085				
5367	12 $\frac{1}{2}$	6°0029	10°1843			5418	8	22°4438	7°5665			5469	6	10°5585	2°6760				
5368	13	8°7768	10°7839	64 1199	9.5	5419	10	16°7409	8°7936	64 1210	9.4	5470	8	11°4206	2°9262	64 1221	9.0		
5369	17 $\frac{8}{8}$	9°3505	10°4255			5420	5	17°7809	8°3572			5471	4*	12°7448	2°4181				
5370	10	9°6076	10°6058			5421	6*	18°1241	8°5645			5472	16 $\frac{8}{8}$	13°8468	2°9815				
5371	5*	13°2650	10°2549			5422	9	19°9308	8°6904			5473	16	8°3804	3°6894				
5372	27 $\frac{8}{8}$	2°1188	11°9089			5423	27 $\frac{8}{8}$	20°4788	8°6866			5474	23 $\frac{8}{8}$	8°7269	3°0542				
5373	16	2°5746	11°8135	64 1199	9.5	5424	23 $\frac{8}{8}$	22°8991	8°2741	64 1211	9.5	5475	46 $\frac{8}{8}$	9°2572	3°5335	64 1221	9.0		
5374	32 $\frac{8}{8}$	2°7134	11°3537			5425	7	22°8867	8°5412			5476	5*	10°9203	3°1323				
5375	18	3°9227	11°8979			5426	16 $\frac{8}{8}$	19°4090	9°3667			5477	22 $\frac{8}{8}$	11°6094	3°6911				
5376	7	7°6704	11°6733			5427	27 $\frac{8}{8}$	20°5857	9°5985			5478	28 $\frac{8}{8}$	11°7641	3°7809				
5377	6	8°6131	11°0249			5428	58	22°0528	9°1611			5479	40 $\frac{8}{8}$	11°7890	3°0485				
5378	6	11°1400	11°1590	64 1199	9.5	5429	24	25°6825	9°7348	64 1212	7.9					64 1224	9.5		
5379	25 $\frac{8}{8}$	13°2082	11°5189			5430	14	14°1041	10°1639										
5380	13	3°4410	12°7150																
5381	7	4°5212	12°4064																
5382	5*	4°5871	12°8721																
5383	10	7°5830	12°0875																
5384	6 $\frac{1}{2}$	10°3001	12°7962																
5385	3*	10°3967	12°4725																

Nos. 5410, 5429, 5452, and 5456 are measured on plates 2672 and 2673.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $=74^{\circ}.3$  for  $y = 14$  (Dec. + 65°).



Z O N E + 64°.

R.A. 17 <sup>h</sup> 42 <sup>m</sup> to 17 <sup>h</sup> 51 <sup>m</sup>						R.A. 17 <sup>h</sup> 42 <sup>m</sup> to 17 <sup>h</sup> 51 <sup>m</sup>						R.A. 17 <sup>h</sup> 51 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup>					
Plate 2673—contd.						Plate 2673—contd.						Plate 2673—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
5480	8	12°09'62	3°34'03		m.	5535	29 <sup>s</sup>	5°07'18	12°42'63	64°12'17	9°5	5583	7	25°31'24	6°35'90		m.
5481	8	12°57'62	3°02'60			5536	18	5°57'75	12°20'47			5584	18	25°99'21	6°41'54		
5482	9	12°57'76	3°25'70			5537	16	3°51'54	13°9'19			5585	20 <sup>s</sup>	16°93'83	7°15'20		
5483	33 <sup>s</sup>	12°68'13	3°35'70	64 1225	9°5	5538	20 <sup>s</sup>	4°43'95	13°88'22			5586	20 <sup>s</sup>	19°79'83	7°61'50		
5484	8	2°72'72	4°71'31			5539	8	7°74'63	13°39'86			5587	12	21°63'77	7°50'46		
5485	7*	4°12'47	4°95'18			5540	3	8°98'38	13°27'98			5588	12	22°56'06	7°25'64		
5486	14	5°64'28	4°00'72			5541	6	12°75'48	13°22'23			5589	9	24°92'76	7°74'42		
5487	8	6°87'59	4°33'18			5542	14	12°92'48	13°95'14			5590	2†	14°89'42	8°64'98		
5488	7	7°68'14	4°59'37									5591	15	17°02'91	8°66'34		
5489	6	8°10'90	4°99'67				40	1°15'36	4°01'75	64 1215	9°5	5592	13	18°65'25	8°28'23		
5490	31 <sup>s</sup>	8°37'64	4°01'08	64 1220	9°5							5593	4	20°68'64	8°51'89		
5491	8	10°17'21	4°97'19									5594	4	20°72'36	8°60'24		
5492	6	2°44'47	5°55'73									5595	24 <sup>s</sup>	20°86'36	8°35'55	64 1232	9°2
5493	4*	4°42'92	5°15'12									5596	41 <sup>s</sup>	21°19'66	8°86'14	64 1233	8°7
5494	4	4°95'35	5°08'40									5597	39 <sup>s</sup>	23°23'42	8°68'96	64 1236	9°3
5495	20	7°71'51	5°83'83									5598	4*	14°83'55	9°66'23		
5496	9	8°16'18	5°42'65									5599	4	15°06'45	9°41'98		
5497	24 <sup>s</sup>	8°41'11	5°05'63									5600	10	15°36'90	9°30'54		
5498	4	10°39'26	5°66'66									5601	15	19°13'58	9°33'33		
5499	22 <sup>s</sup>	10°61'74	5°74'71									5602	22 <sup>s</sup>	20°42'96	9°32'76		
5500	3	10°92'60	5°24'12									5603	24 <sup>s</sup>	21°22'26	9°34'83		
5501	22 <sup>s</sup>	12°64'60	5°77'06									5604	9	22°12'50	9°81'00		
5502	6	13°17'97	5°77'14									5605	17 <sup>s</sup>	24°30'31	9°85'66		
5503	7	8°07'05	6°25'04									5606	19 <sup>s</sup>	25°05'41	9°35'48		
5504	5	10°78'75	6°64'50									5607	16	25°08'26	9°78'07		
5505	17	12°17'85	6°00'29									5608	5	16°07'98	10°89'42		
5506	6	12°77'09	6°68'17									5609	40 <sup>s</sup>	17°22'19	10°02'85	64 1229	9°1
5507	19 <sup>s</sup>	4°38'01	7°85'45									5610	3	19°72'62	10°20'76		
5508	7	7°73'59	7°24'12									5611	6	20°10'36	10°63'62		
5509	9	7°85'50	7°37'62									5612	3*	20°59'14	10°12'39		
5510	18	10°25'10	7°32'54									5613	3	21°11'51	10°19'70		
5511	6	11°30'01	7°03'34									5614	12	21°23'33	10°85'84		
5512	4	12°64'89	7°06'26									5615	12	24°18'71	10°24'11		
5513	43 <sup>s</sup>	13°63'48	7°14'84	64 1216	9°1							5616	13	25°05'59	10°16'19		
5514	6	8°23'38	8°73'09									5617	3	14°04'51	11°85'49		
5515	22 <sup>s</sup>	8°06'28	8°93'68									5618	4	15°00'97	11°56'00		
5516	19	8°94'00	8°99'52									5619	2	15°83'58	11°30'84		
5517	46 <sup>s</sup>	2°52'45	9°66'35	64 1218	8°7							5620	3	17°62'38	11°57'78		
5518	31 <sup>s</sup>	5°04'75	9°83'18	64 1219	9°4							5621	4	18°24'86	11°44'72		
5519	6	6°28'95	9°48'41									5622	4	18°45'40	11°30'57		
5520	5	8°30'87	9°16'68									5623	20 <sup>s</sup>	19°13'41	11°38'78		
5521	9	9°26'77	9°27'60									5624	18	20°91'74	11°46'40		
5522	10	9°53'98	9°53'98									5625	5	23°36'96	11°65'71		
5523	17	4°58'32	10°42'05									5626	18	25°80'51	11°65'64		
5524	4	7°48'25	10°42'15									5627	18 <sup>s</sup>	17°93'43	12°32'56		
5525	7	8°78'74	10°87'35									5628	7	18°17'32	12°84'44		
5526	12	10°76'51	10°90'29									5629	3	22°86'88	12°47'12		
5527	9	11°06'81	10°46'98									5630	6	24°17'99	12°90'06		
5528	23 <sup>s</sup>	11°12'92	10°69'05	64 1223	9°5							5631	42 <sup>s</sup>	14°42'78	13°42'52	64 1226	9°1
5529	6	12°51'44	10°82'93									5632	6	14°64'44	13°37'27		
5530	19	2°55'29	11°60'34									5633	12	21°27'18	13°84'53		
5531	21 <sup>s</sup>	4°58'27	11°71'26									5634	5	22°37'99	13°88'04		
5532	26 <sup>s</sup>	6°44'80	11°11'62									5635	8	22°47'24	13°15'56		
5533	3	7°55'26	11°89'55									5636	9	23°84'54	13°18'90		
5534	4	9°90'10	11°65'77									5637	5	25°06'24	13°23'62		
5535	83 <sup>s</sup>	10°49'95	11°50'87	64 1222	7°0												
5536	21 <sup>s</sup>	10°97'95	11°93'35										48 <sup>s</sup>	17°93'62	1°20'18	63 1390	9°2
5537	6	12°29'04	11°73'27										78 <sup>s</sup>	23°87'18	1°66'39	63 1396	7°7
5538	25 <sup>s</sup>	2°73'33	12°46'90														

Nos. 5584 and 5626 are measured on plates 2673 and 2697.

1 réseau interval represents very nearly  $5' = 45^{\text{s}}.6$  of R.A. for  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).

## ZONE + 64°.

B. D.					B. D.					B. D.						
No.	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .			
No.					No.					No.						
Mag.					Mag.					Mag.						
R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 9 <sup>m</sup>					R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 9 <sup>m</sup>					R.A. 18 <sup>h</sup> 9 <sup>m</sup> to 18 <sup>h</sup> 18 <sup>m</sup>						
Centre R.A. 18 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°					Plate 2697—contd.					Plate 2697—contd.						
Plate 2697. 1895, June 17.																
5638	8	8.5483	2.8271		5695	5	4.4449	13.5983		5747	61§	20.1459	10.6237	64 1253		
5639	53§	8.8588	2.1862	64 1244	8.8	5696	5	6.0705	13.7891		5748	30	25.1633	10.7410		
5640	9	12.8494	2.3984		5697	5	9.0449	13.5279		5749	13	25.2276	10.7577			
5641	19	3.4171	3.9746	64 1238	9.5	5698	24	10.7472	13.1829		5750	28§	19.5479	11.8372		
5642	15	4.7561	3.1163		5699	5	10.7771	13.1277		5751	11	19.6474	11.3856			
5643	26	8.9423	3.2782		5700	20	11.1213	13.0927		5752	12	19.6550	11.3781			
5644	8	9.5980	3.5929		R.A. 18 <sup>h</sup> 9 <sup>m</sup> to 18 <sup>h</sup> 18 <sup>m</sup>					5753	14	20.7355	11.0317			
5645	19	12.6526	3.3752		Centre R.A. 18 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°					5754	6	21.2845	11.4142			
5646	7†	3.1804	4.4030		Plate 2697. 1895, June 17.					5755	21	21.8254	11.6477	64 1255		
5647	10	9.9493	4.3892		5701	15	14.4029	2.8256		5756	7	21.9449	11.3567			
5648	81§	10.3110	4.4186	64 1245	7.0	5702	41§	16.5628	2.2913	64 1250	9.5	5757	5	23.6881	11.5267	
5649	14	11.1251	4.1549		5703	10	17.1628	2.5370		5758	31	25.7519	11.3483	64 1260		
5650	7	12.5255	4.4795		5704	82§	22.8012	2.4474	64 1256	8.1	5759	9	15.8012	12.7962		
5651	19	8.4244	5.8464		5705	8*	24.5257	2.3048		5760	3†	18.2978	12.5449			
5652	37§	5.7052	6.9144	64 1240	9.2	5706	38§	14.2175	3.8003	64 1249	9.4	5761	5	22.2500	12.5833	
5653	13	6.6046	6.8162		5707	40§	15.9741	3.5856		5762	5	14.6891	13.2096			
5654	5	9.6366	6.1209		5708	40	21.7447	3.5144	64 1254	9.3	5763	14	21.7350	13.7610		
5655	5	10.1774	6.5660		5709	34§	14.0129	4.4774	64 1248	9.2	5764	15	22.1703	13.9288		
5656	4	11.8973	6.8722		5710	40§	14.0236	4.4796		5765	17	24.0919	13.4259			
5657	5	12.7366	6.8624		5711	16	16.9824	4.7049		5766	34§	24.5819	13.7059	64 1259		
5658	44§	4.3664	7.2997	64 1239	8.5	5712	8	17.4279	4.5659			52	26.3250	4.7321	64 1261	
5659	28§	5.7775	7.0079		5713	8	16.5039	5.2306		R.A. 18 <sup>h</sup> 18 <sup>m</sup> to 18 <sup>h</sup> 27 <sup>m</sup>						
5660	25§	6.0139	7.2886		5714	14	17.4110	5.8604		Centre R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°						
5661	10	8.8574	7.3918		5715	12*	23.6228	5.5740		Plate 2700. 1895, June 17.						
5662	15	9.4336	7.0414		5716	8*	23.9606	5.5225		5767	42§	3.8643	2.9591	64 1262		
5663	22	10.2339	7.1850		5717	24	24.3794	5.2080		5768	40§	8.4131	2.3393	63 1424		
5664	8	3.6466	8.9797		5718	28	25.0878	5.0713		5769	10*	2.2252	3.6431			
5665	8	4.3607	8.0037		5719	4	14.1908	6.1657		5770	22	3.5906	3.2110			
5666	10	7.8379	8.1888		5720	8	15.2359	6.5061		5771	76§	4.5594	3.8997	64 1263		
5667	5	4.5910	9.2877		5721	21§	18.6617	6.2369	64 1252	5.0	5772	14	5.2619	3.2430		
5668	5	6.7056	9.6179		5722	121§	19.6144	6.3529		5773	4†	9.3136	3.4942			
5669	17§	7.2318	9.3260		5723	26§	14.5362	7.9372		5774	12	10.3650	3.4323			
5670	22	8.6198	9.3285		5724	6	14.5707	7.4593		5775	20	11.4782	3.9936			
5671	26§	11.3404	9.8442	64 1246	9.5	5725	4†	17.5660	7.3814		5776	32§	13.8937	3.1372		
5672	33§	11.8127	9.1368	64 1247	9.5	5726	6	18.3286	7.7484		5777	44§	2.8069	4.6572	64 1261	
5673	30§	11.9354	9.8389		5727	7	20.2359	7.7219		5778	14	10.3131	4.5218			
5674	11	12.1968	9.5427	64 1241	9.5	5728	18	21.4477	7.5269		5779	4	11.0639	4.6751		
5675	22	6.4359	10.8366		5729	9	21.7202	7.2024		5780	21§	12.7704	4.6126			
5676	4	7.0529	10.8815		5730	25§	21.9904	7.4995	64 1257	9.2	5781	4	13.6181	4.0625		
5677	17	9.1539	10.0996		5731	33§	22.9589	7.8362		5782	24	4.0106	5.7383			
5678	9	9.4137	10.9191		5732	14*	25.2716	7.4196		5783	21	6.2469	5.6612			
5679	29§	10.8147	10.0559		5733	30§	14.7557	8.1882		5784	4	8.9264	5.9703			
5680	5	12.1208	10.1771		5734	8	16.0114	8.0348		5785	3*	10.1716	5.1805			
5681	23	3.1964	11.4870		5735	6	17.5866	8.7067		5786	29§	4.3384	6.7804			
5682	5	5.3313	11.3126		5736	15	19.5543	8.5118		5787	5†	6.7873	6.2331			
5683	18§	5.7562	11.6230		5737	7	22.0297	8.2020	64 1258	8.2	5788	15	8.0272	6.9332		
5684	9	6.2166	11.9061		5738	51§	23.1722	8.0528		5789	4	13.5702	6.1219			
5685	11	8.1568	11.2706		5739	16	23.8261	8.3947		5790	14	4.8259	7.9624			
5686	24§	8.7959	11.1617	64 1243	9.4	5740	8	18.8672	9.9940		5791	23§	5.4178	7.1052		
5687	59§	6.5422	12.2935	64 1242	8.0	5741	8	19.3331	9.5349		5792	4†	12.9230	7.4774		
5688	14	7.8183	12.6521		5742	11	19.5174	9.8942		5793	11	6.1932	8.9277			
5689	7	8.7694	12.4149		5743	13	20.4102	9.5775		5794	43§	11.5665	8.8353	64 1268		
5690	21	11.6130	12.2076		5744	8	17.5089	10.6250		5795	24§	12.3728	8.0634			
5691	12	12.2878	12.7247		5745	12	18.0464	10.3572	64 1251	9.1	5796	14§	13.2833	8.6348		
5692	20	3.1618	13.4262		5746	47§	19.1645	10.8028								
5693	16	3.4184	13.1494													
5694	5	4.0452	13.0146													

Nos. 5748, 5749, and 5758 are measured on plates 2697 and 2700.

1 *réseau* interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and  $= 47^{\circ}.3$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 18 <sup>h</sup> 18 <sup>m</sup> to 18 <sup>h</sup> 27 <sup>m</sup> Plate 2700—contd.						R.A. 18 <sup>h</sup> 27 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup> Plate 2700—contd.						R.A. 18 <sup>h</sup> 36 <sup>m</sup> to 18 <sup>h</sup> 45 <sup>m</sup> Centre R.A. 18 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 1321. 1893, Aug. 2.																			
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.															
				No.	Mag.					No.	Mag.					No.	Mag.														
5797	24	3°1796	9°4465	64 1265	9.5	5844	4	14°3910	5°6911	64 1273	9.5	5901	24	3°3340	2°0249	63 1442	9.5														
5798	9	8°1383	9°4033			5845	10	14°9837	5°2089			5902	11	11°6003	2°9033																
5799	41§	9°7770	9°2282			5846	10	17°9185	5°2985			5903	13	12°9446	2°2618																
5800	19	13°1013	9°9493			5847	8	19°5558	5°2185			5904	19	2°5771	3°7719																
5801	3	13°1971	9°2183			5848	5	19°6826	5°1141			5905	8	4°5393	3°6516																
5748	25	2°0777	10°7323			5849	8	20°5870	5°1199			5906	7*	5°2852	3°7534																
5749	15	2°1434	10°7459			5850	7	21°2946	5°6317			5907	10	5°5149	3°2080																
5802	9	2°9293	10°6392			5851	11	22°5546	5°4327			5908	16	6°0996	3°9709			64 1279	9.4												
5803	26§	5°4750	10°2895			5852	5	16°2102	6°4941			5909	5	6°5093	3°9803			64 1282	9.5												
5804	5	8°6550	10°6061			5853	19§	16°3099	6°0699			5910	25§	6°5307	3°6434			64 1283	8.9												
5805	23§	8°9091	10°7023	5854	37§	17°9056	6°0638	5911	4	11°0459	3°3151	64 1286	9.0																		
5806	25§	9°3130	10°5351	5855	26	19°9859	6°2493	5912	13	12°8658	3°1542			64 1288	9.5																
5807	19§	9°5191	10°4530	5856	11	20°0878	6°2340	5913	7	3°6351	4°1059					64 1278	9.5														
5808	7	11°1513	10°4672	5857	18	25°5917	6°9333	5914	13§	10°4211	4°0682							64 1280	9.4												
5809	5	11°6378	10°6404	5858	7	17°6858	7°4878	5915	6	12°6952	4°1780									64 1285	9.4										
5810	9	13°7651	10°1862	5859	6	18°8365	7°2043	5916	11	5°0721	5°8500											64 1289	7.7								
5758	31§	2°7074	11°2977	5860	20	21°7402	7°0923	5917	10	5°9027	5°6131													64 1287	9.1						
5811	9	3°0171	11°5373	5861	9	21°7921	7°6984	5918	18§	11°3032	5°1693															63 1458	9.3				
5812	6	6°3632	11°5075	5862	6	16°9339	8°1503	5919	18§	12°8597	5°6572																	63 1460	8.8		
5813	50§	7°8961	11°4213	5863	13	16°9476	8°1643	5857	9	2°2130	6°9287																			63 1432	9.0
5814	7	9°6420	11°6105	5864	17	17°6139	8°0132	5920	8	3°8528	6°8588	63 1432	9.0																		
5815	73§	11°1196	11°2597	5865	19	19°0341	8°9016	5921	8	3°9119	6°8986			63 1432	9.0																
5816	14	11°7987	11°5699	5866	7	21°0551	8°2604	5922	11	12°1692	6°4061					63 1432	9.0														
5817	4	11°7938	11°1303	5867	12	15°0048	9°0788	5923	15§	4°5943	7°2788							63 1432	9.0												
5818	39§	13°9050	11°5808	5868	17	15°5835	9°8792	5924	12	5°1601	7°1381									63 1432	9.0										
5819	4	5°8151	12°6906	5869	18§	15°9873	9°9199	5925	8	9°2435	7°5568											63 1432	9.0								
5820	4†	6°1451	12°6277	5870	16	16°5660	9°3391	5926	13	10°8816	7°9249													63 1432	9.0						
5821	5	7°2434	12°8117	5871	4	16°8875	9°7796	5927	13	11°9378	7°1454															63 1432	9.0				
5822	44§	11°3359	12°1507	5872	13	17°4279	9°0095	5928	7	13°4251	7°1516																	63 1432	9.0		
5823	37§	11°7591	12°9152	5873	19	19°2024	9°2350	5929	9	3°7986	8°5020																			63 1432	9.0
5824	4	13°3262	12°9200	5874	17	20°2975	9°1215	5930	6	6°0398	8°0412	63 1432	9.0																		
5825	4	13°8730	12°6512	5875	21	21°2974	9°8827	5931	6	8°2547	8°8850			63 1432	9.0																
5826	28§	5°9966	13°4779	5876	9	21°3594	9°3351	5932	16§	6°2567	9°3399					63 1432	9.0														
5827	10	8°3810	13°6745	5877	13	22°0640	9°6351	5933	6	10°8172	9°2887							63 1432	9.0												
5828	12	10°0194	13°0866	5878	10	23°1568	9°3718	5934	17§	3°3330	10°9847									63 1432	9.0										
	46§	12°2198	1°9032	63 1426	9.0	5879	22	14°4011	10°3993	5935	18§											8°4035	10°2445								
R.A. 18 <sup>h</sup> 27 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup> Centre R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2700. 1895, June 17.						5880	13	15°0951	10°5959	5936	43§											12°7874	10°3733	63 1432	9.0						
5829	6	14°3823	2°6430	64 1271	8.9	5881	8	15°1785	10°3527	5937	10§											13°9162	10°3998			63 1432	9.0				
5830	18	22°1053	2°4416			5882	10	16°6521	10°9639	5891	10											2°2639	11°4872					63 1432	9.0		
5831	20	25°2831	2°2942			5883	10	18°0796	10°7810	5938	10§											5°5493	11°5842							63 1432	9.0
5832	44§	17°8244	3°4233			5884	4†	18°4228	10°6933	5939	3	8°0852	11°5100									63 1432	9.0								
5833	13	20°0759	3°1257			5885	4†	19°6015	10°9816	5940	4	8°3087	11°8913	63 1432	9.0																
5834	5	14°2996	4°3073			5886	7	21°9761	10°1324	5941	5	11°7862	11°7184			63 1432	9.0														
5835	17	16°2674	4°7154			5887	6	17°6805	11°5383	5942	11	12°8083	11°0913					63 1432	9.0												
5836	12	16°9566	4°9587			5888	43§	18°6662	11°9567	5943	6	6°4725	12°0827							63 1432	9.0										
5837	7	19°0231	4°3098			5889	4	20°4863	11°1471	5944	4†	7°6081	12°3803																		
5838	13	19°3547	4°2787			5890	5	23°9878	11°0990	5945	5	11°8637	12°1039											63 1432	9.0						
5839	43	22°0576	4°0296	5891	17	25°3211	11°4807	5946	4	12°5951	12°0571	63 1432	9.0																		
5840	16	22°3867	4°0972	5892	5	19°2162	12°5944	5900	11	2°2292	13°2109															63 1432	9.0				
5841	21	24°0144	4°0242	5893	15	20°2025	12°9536	5947	8	5°8942	13°1005																	63 1432	9.0		
5842	33	24°0293	4°2580	5894	28§	22°1927	12°7421	5948	10	8°0300	13°8270											63 1432	9.0								
5843	7*	24°8974	4°2092	5895	11	23°4288	12°7231	5949	11	8°3744	13°2388			63 1432	9.0																
				64 1274	9.5	5896	51§	24°0886	12°0247	5950	14					12°4401	13°5889													63 1432	9.0
						5897	4	16°6375	13°5913									63 1432	9.0												
						5898	23	16°8362	13°4508		18§					13°2797	0°9738			63 1432	9.0										
						5899	19	17°1523	13°5877		27§					13°9002	1°4549														
						5900	15	25°1647	13°2003															63 1432	9.0						
							44	19°0208	1°0262	63 1432	9.0					63 1432	9.0														

Nos. 5857, 5891, and 5900 are measured on plates 2700 and 1321.

1 réseau interval represents very nearly  $5' = 45^s.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^s.3$  for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
R.A. 18 <sup>h</sup> 45 <sup>m</sup> to 18 <sup>h</sup> 54 <sup>m</sup> Centre R.A. 18 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 1321. 1893, Aug. 2.						R.A. 18 <sup>h</sup> 45 <sup>m</sup> to 18 <sup>h</sup> 54 <sup>m</sup> Plate 1321—contd.						R.A. 18 <sup>h</sup> 54 <sup>m</sup> to 19 <sup>h</sup> 3 <sup>m</sup> Plate 1274—contd.					
5951	26	22°3677	2°8074		m.	6010	3	21°9449	12°1897		m.	6058	8	4°1522	9°0253		m.
5952	358	14°7501	3°0044	64 1290	8.2	6011	198	22°2258	12°3164			6059	14	7°5101	9°0959		
5953	278	15°6894	3°4412	64 1291	8.9	6012	6	23°1045	12°0126			6060	13	9°3623	9°3554		
5954	8	16°2124	3°9681			6013	6	23°2939	12°5775			6061	15	13°9347	9°1261		
5955	228	16°2643	3°9957	64 1293	9.3	6014	10	23°4860	12°562			5996	23	2°0746	10°6260	64 1304	9.0
5956	6	17°8224	3°1463			6015	10	23°5074	12°8500			6062	13	4°4019	10°1336		
5957	6	18°8879	3°9067			6016	208	24°1507	12°4159	64 1302	9.5	6063	598	6°1194	10°4127	64 1310	8.0
5958	38	24°7832	3°0467	64 1303	9.5	6017	8	24°7705	12°5380			6064	8	6°7061	10°1190		
5959	118	14°1742	4°5871			6018	128	14°6833	13°1616			6065	6	8°2369	10°2116		
5960	7	14°3391	4°4808			6019	168	16°6285	13°8795			6066	6	12°8397	10°8466		
5961	7	15°3594	4°1594			6020	158	18°2621	13°6127			6067	7	3°5112	11°5784		
5962	178	18°2637	4°1828	64 1294	9.2	6021	9	18°6758	13°8444			6068	278	5°5761	11°3962		
5963	188	19°1352	4°7986	64 1296	9.5	6022	3	21°6550	13°3516			6069	10	6°3387	11°7780		
5964	20	24°3990	4°9161			6023	5	22°4632	13°9657			6070	12	7°1211	11°4214		
5965	19	25°2398	4°9469			6024	11	23°9358	13°5959			6071	10	13°5752	11°5091		
5966	5	14°0726	5°2584			6025	15	24°8333	13°2927			6072	11†	13°7717	11°1441		
5967	4	15°7765	5°0803									6073	11	4°6848	12°1900		
5968	7	17°7464	5°2902				358	26°3861	7°0021	64 1306	9.0	6074	19	5°5515	12°8992		
5969	7	18°4847	5°8232				518	26°6972	4°6836	64 1307	8.8	6075	16	11°1847	12°8853		
5970	238	21°8214	5°4877	64 1298	8.9	R.A. 18 <sup>h</sup> 54 <sup>m</sup> to 19 <sup>h</sup> 3 <sup>m</sup> Centre R.A. 19 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 1274. 1893, July 7.						6076	458	6°7654	13°2597	64 1311	8.3
5971	11	22°0369	5°3490									6077	6	7°3068	13°9285		
5972	5	17°5452	6°1088									6078	16	8°3463	13°8071		
5973	4†	17°7437	6°5339									6079	25	12°1274	13°4707	64 1315	9.3
5974	268	18°9649	6°2082	64 1295	8.7							R.A. 19 <sup>h</sup> 3 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> Centre R.A. 19 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 1274. 1893, July 7.					
5975	148	19°1095	6°4726			6026	21	4°3979	2°7240		m.	6080	32	23°2272	1°9844	63 1493	9.2
5976	10	19°3869	6°4503			6027	7	5°8372	2°7467			6081	16	14°0442	2°4328		
5977	228	19°7161	6°6977	64 1297	9.0	6028	11†	7°4111	2°6352			6082	15	15°6184	2°7532	64 1324	9.5
5978	18	22°0286	6°2861			6029	17	7°5362	2°8671			6083	9	17°9149	2°2836		
5979	10	23°8859	6°6272			6030	6	12°2802	2°1802			6084	12*	25°4104	2°7080		
5980	8	15°0304	7°8566			6031	14	5°1261	3°1474			6085	678	25°9245	2°3403	63 1500	8.7
5981	5	17°2738	7°5518			6032	22	6°0755	3°2336			6086	13	16°1995	3°7101		
5982	7	22°7287	7°6749			6033	10	9°3807	3°5875			6087	428	23°4052	3°0669	63 1496	9.0
5983	16	23°7733	7°4371			6034	8	12°3852	3°3509	64 1318	9.0	6088	8*	25°6789	3°3115		
5984	17	25°5495	7°6440	64 1305	9.5	6035	248	13°5764	3°5305	64 1319	9.5	6089	10	14°7319	4°2681		
5985	9	16°7876	8°3996			6036	198	13°7705	3°2871	64 1307	8.8	6090	5	17°1049	4°8390		
5986	4	18°1862	8°5931			6037	438	3°2622	4°5819			6091	428	19°8482	4°7418	64 1330	8.2
5987	218	23°6208	8°3267	64 1299	9.4	6038	5	6°8156	4°2623			6092	10	20°0364	4°5600	64 1336	9.5
5988	13	23°7126	8°1986			6039	7	7°3633	4°6684	64 1307	8.8	6093	12	25°3513	4°0786	64 1326	8.9
5989	10	15°1164	9°4596			6040	25	8°9916	4°2851	64 1312	9.5	6094	398	16°6002	5°6024		
5990	5	19°0149	9°1460			6041	8	9°2603	4°0941			6095	14	15°3287	6°1561	64 1328	9.5
5991	3	19°0244	9°0826			6042	518	13°0487	4°4706	64 1317	7.8	6096	218	17°9341	6°6456		
5992	8	23°8972	9°1523			6043	6	8°3019	5°0821			6097	8	19°2514	6°8892		
5993	16	24°5636	9°3205			6044	228	11°5490	5°5855	64 1313	9.5	6098	7	19°3886	6°4367		
5994	10	16°2101	10°2820			6045	7	12°4572	5°1840	64 1316	9.3	6099	6	25°9229	6°4790		
5995	338	23°5788	10°0442	64 1300	8.4	6046	268	12°9696	5°3112	64 1306	9.0	6100	15	16°3833	7°2909		
5996	228	25°1121	10°6367	64 1304	9.0	6047	8	13°7960	5°1724			6101	10	15°3593	8°5272		
5997	248	15°7444	11°3329	64 1292	8.9	6048	398	3°1068	6°9148			6102	18	17°5250	8°7170		
5998	6	16°5563	11°7523			6049	7	3°2794	6°0810			6103	228	17°6534	9°7426	64 1327	9.1
5999	5	16°8270	11°2511			6050	5	4°3082	6°1795			6104	5	18°1678	9°9796		
6000	6	17°6332	11°1514			6051	8	5°3144	6°6102			6105	8	19°6035	9°7498		
6001	8	22°7587	11°2086			6052	4	8°0763	6°8856			6106	5	23°3222	9°3019		
6002	8	23°3981	11°1838			6053	7	11°9454	6°6313			6107	328	15°4524	10°8306	64 1323	8.5
6003	3	14°3731	12°5373			5984	18	2°3129	7°6095	64 1305	9.5	6108	5	18°2883	10°0848		
6004	5	15°8956	12°3556			6054	6†	4°7051	7°8011								
6005	13	16°0949	12°4039			6055	488	4°9677	7°0009	64 1308	9.0						
6006	5†	16°0990	12°3588			6056	9	6°7676	7°9544								
6007	5	19°1134	12°2811			6057	26	5°0975	8°4455	64 1309	9.2						
6008	5	21°2943	12°6611														
6009	4	21°8519	12°0281														

Nos. 5984 and 5996 are measured on plates 1321 and 1274.

B. D. 64° 13' 14" 9<sup>m</sup>. 5. Not shown on plate 1274, nor is it shown on the Chart Plate 2142 taken 1894 July 13.

Nos. 6085 and 6099 are measured on plates 1274 and 534.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°.3 for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 19 <sup>h</sup> 3 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup>						R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup>						R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup>					
Plate 1274—contd.						Plate 534—contd.						Plate 534—contd.					
No.	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
6109	27 $\frac{8}{8}$	21°8277	10°4693	64°1332	9.5	6160	33 $\frac{8}{8}$	7°6556	5°6370	64°1339	8.9	6218	9	9°1639	11°1495		
6110	7	23°1583	10°7332			6161	8	10°0816	5°9464			6219	3	10°7604	11°7293		
6111	20	23°2744	10°4415			6162	10	10°1671	5°5685			6220	20 $\frac{8}{8}$	11°6645	11°6474		
6112	6	24°2866	10°8666			6163	7	12°9058	5°8376			6221	18	12°3796	11°5051		
6113	20	24°3366	10°7024	64°1334	9.5	6099	18	2°5420	6°2990			6222	6	13°7044	11°4143		
6114	5	14°1455	11°5266			6164	6	3°4138	6°2026			6223	4	13°7510	11°8998		
6115	5†	14°1968	11°8230			6165	7	4°7098	6°6503			6224	4	2°8692	12°4282		
6116	15	14°3852	11°4296			6166	7	5°0248	6°0767			6225	19	4°0528	12°3761		
6117	7	15°1807	11°0026			6167	12	5°2549	6°7472			6226	13	4°6135	12°0830		
6118	18	19°3750	11°8587			6168	9	5°2653	6°7494			6227	22 $\frac{8}{8}$	9°0211	12°3444		
6119	6*	19°4299	11°8320			6169	8	6°3427	6°3140			6228	2	11°7075	12°1306		
6120	19	23°8069	11°7924			6170	19 $\frac{8}{8}$	8°8950	6°7269			6229	3	11°8753	12°0757		
6121	19	24°9616	11°8066	64°1335	9.5	6171	7	9°2163	6°5261			6230	15	11°9754	12°8152		
6122	40 $\frac{8}{8}$	14°7420	12°7537	64°1321	8.4	6172	10	10°7425	6°5098			6231	42 $\frac{8}{8}$	6°5300	13°4307	64°1337	7.8
6123	42 $\frac{8}{8}$	15°5144	12°5235	64°1325	8.7	6173	8	10°9509	6°9577			6232	25 $\frac{8}{8}$	7°3748	13°2704	64°1338	9.5
6124	20	17°4560	12°1259			6174	13 $\frac{8}{8}$	13°2313	6°1158	64°1346	9.0	6233	6	7°4280	13°5295		
6125	5	18°2457	12°7966			6175	25 $\frac{8}{8}$	13°2377	6°1252			6234	33 $\frac{8}{8}$	8°1239	13°8917	64°1340	8.5
6126	19	18°5527	12°2531	64°1329	9.4	6176	9	13°8714	6°9787			6235	14	9°1455	13°5638		
6127	8	19°4835	12°1569			6177	8	3°2147	7°4248			6236	6	9°6032	13°5378		
6128	9	23°7555	12°0053			6178	5	6°9316	7°1237			6237	41 $\frac{8}{8}$	11°9951	13°2541	64°1345	8.5
6129	7	19°4752	13°6292			6179	19	7°1190	7°0956			6238	9	12°3711	13°5641		
6130	9	24°2248	13°3491			6180	21	8°2649	7°1744			6239	31 $\frac{8}{8}$	13°5892	13°7118	64°1347	9.0
R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup>						6181	15	8°8893	7°9709				23 $\frac{8}{8}$	1°9794	11°6826	64°1335	9.5
Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°						6182	4	11°4489	7°8516			R.A. 19 <sup>h</sup> 21 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup>					
Plate 534. 1892, Sept. 3.						6183	19	5°2300	8°5557			Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					
6085	61 $\frac{8}{8}$	2°2351	2°1703	63°1500	8.7	6184	11	5°3602	8°8376			Plate 534. 1892, Sept. 3.					
6131	8	6°4002	2°5770			6185	11	7°4974	8°0334			6240	11	15°6190	2°1577		
6132	27 $\frac{8}{8}$	8°0263	2°5744	63°1509	9.3	6186	6	7°6908	8°7949			6241	6†	15°6378	2°1505		
6133	37 $\frac{8}{8}$	10°4483	2°9198	63°1511	8.8	6187	18	11°4340	8°0887			6242	22	24°4844	2°3819		
6134	25 $\frac{8}{8}$	10°9741	2°8848	63°1514	9.4	6188	6	11°5754	8°3010			6243	19†	25°7177	2°0227		
6135	26	12°7373	2°0550	63°1517	9.0	6189	12	13°9583	8°1705			6244	8	15°1361	3°1849		
6136	6	13°3993	2°3602			6190	13	3°2773	9°2378	64°1341	8.9	6245	8	16°2438	3°0487		
6137	7†	13°7025	2°5115			6191	7	4°7176	9°9386			6246	18	16°4366	3°7374		
6138	7	9°2589	3°1453			6192	5	5°6889	9°8112			6247	20	19°4766	3°1721		
6139	6	9°6704	3°9041			6193	10	6°6995	9°0624			6248	12	22°1634	3°6389		
6140	10	11°1161	3°3696			6194	25 $\frac{8}{8}$	10°1752	9°2388			6249	36 $\frac{8}{8}$	25°0336	3°2275		
6141	6	11°9313	3°2023			6195	8	11°4951	9°4475			6250	6	16°8491	4°7869		
6142	9	13°2069	3°8573			6196	4	12°0289	9°5650			6251	22	19°5723	4°8189	64°1350	9.4
6143	35 $\frac{8}{8}$	2°6544	4°6205			6197	7	12°2098	9°9821			6252	8	20°7230	4°8651		
6144	11	2°7845	4°1538			6198	19	3°7765	10°5857			6253	17	24°1995	4°0706		
6145	12	8°3465	4°1207			6199	17	7°4079	10°7995			6254	13	18°6401	5°3042		
6146	8	9°5863	4°6015			6200	7	7°5142	10°2699			6255	21	22°3150	5°9378		
6147	16	9°6103	4°7757			6201	4	8°2995	10°3686			6256	25	22°7515	5°4004		
6148	42 $\frac{8}{8}$	10°3249	4°5298	64°1342	8.8	6202	4	9°1514	10°1161			6257	6	14°2398	6°1152		
6149	19	10°4454	4°8986			6203	10	11°3230	10°7268			6258	8	16°5244	6°8099		
6150	5	10°5637	4°9215			6204	5	11°5052	10°9297			6259	20 $\frac{8}{8}$	16°5393	6°8259		
6151	7	10°7531	4°5113			6205	22 $\frac{8}{8}$	12°1324	10°4128			6260	9	17°6045	6°2684		
6152	11	11°4181	4°0009			6206	20 $\frac{8}{8}$	12°5590	10°1877			6261	15	18°4765	6°4249		
6153	10	11°4208	4°8044			6207	8	13°0151	10°3855			6262	6	19°3081	6°0801		
6154	87 $\frac{8}{8}$	11°4276	4°3724	64°1344	6.5	6208	23 $\frac{8}{8}$	13°0599	10°0861	64°1348	9.5	6263	18	22°0479	6°9871		
6155	10	11°7514	4°6351			6209	21 $\frac{8}{8}$	13°6926	10°2670			6264	11	22°4631	6°6929		
6156	12	11°7588	4°8293			6210	11	13°7251	10°2280			6265	23 $\frac{8}{8}$	15°3086	7°2837		
6157	10	12°2827	4°9772			6211	6	3°1022	11°6494			6266	14	20°4459	7°6069	64°1351	9.5
6158	6†	13°9266	4°1057			6212	13	3°2736	11°6640			6267	19	20°9832	7°8047		
6159	9	5°8824	5°1760			6213	8	6°8896	11°8371								
						6214	5	7°2223	11°4327								
						6215	10	7°8838	11°4394								
						6216	4	8°1248	11°4317								
						6217	5	8°9819	11°3009								

## ZONE + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
R.A. 19 <sup>h</sup> 21 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup>						R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 39 <sup>m</sup>						R.A. 19 <sup>h</sup> 39 <sup>m</sup> to 19 <sup>h</sup> 48 <sup>m</sup>					
Plate 534— <i>contd.</i>						Plate 426— <i>contd.</i>						Centre R.A. 19 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°					
												Plate 426. 1892, June 13.					
6268	18	14°70'32	8°70'01	°	m.	6318	8	6°10'90	4°39'87	°	m.	6376	34	20°78'58	2°64'92	63°15'59	m.
6269	11	15°76'79	8°33'62			6319	10	6°44'73	4°78'75			6377	33	23°87'17	2°57'03		9°3
6270	8	16°62'60	8°15'48			6320	12	7°41'91	4°56'94			6378	5	14°99'37	3°23'55		
6271	12	17°24'31	8°37'09			6321	13	6°06'63	5°07'41			6379	12	15°70'79	3°74'42		
6272	9	18°22'28	8°06'52			6322	6	6°58'29	5°56'95			6380	26§	18°21'91	3°07'30	63°15'58	8°9
6273	5	18°96'59	8°34'95			6323	11	7°02'51	5°49'14			6381	34§	21°19'64	3°47'88	63°15'60	9°4
6274	24§	20°78'03	8°92'57	64 1352	9°1	6324	21	9°46'20	5°87'02			6382	20	25°61'76	3°56'85	63°15'65	9°5
6275	7	20°85'39	8°90'41			6325	7	9°47'10	5°80'52			6383	20§	15°03'72	4°89'23		
6276	7	22°40'34	8°13'75			6326	40§	11°62'89	5°24'79	64 1367	8°8	6384	40§	17°85'77	4°27'61	64°13'78	8°8
6277	32	23°48'87	8°00'79	64 1355	9°5	6327	12	12°27'21	5°94'47			6385	6	18°50'02	4°57'76		
6278	4	15°26'47	9°23'99			6328	8	3°58'40	6°78'32			6386	39	25°63'65	4°22'67	64°13'90	9°4
6279	8	18°80'52	9°25'25			6329	8	6°14'38	6°09'94			6387	7*	25°93'25	4°81'63		
6280	19	19°72'00	9°07'54			6330	14	7°91'09	6°89'08			6388	14	16°82'69	5°52'83		
6281	10	21°31'40	9°79'38			6331	6	8°30'21	6°43'57			6389	22§	18°23'96	5°58'73		
6282	15	21°73'30	9°34'10			6332	8	8°42'97	6°61'38			6390	36§	19°77'25	5°38'62	64°13'82	8°8
6283	6	23°20'51	9°90'49			6333	19	9°81'27	6°39'28			6391	12	20°18'49	5°04'97		
6284	28§	23°49'40	9°42'84	64 1354	8°5	6334	8	10°44'68	6°55'38			6392	21	22°51'64	5°12'57		
6285	16	25°12'60	9°60'05			6335	5	12°26'72	6°66'51			6393	15	23°29'67	5°82'96		
6286	30	25°18'35	9°10'00			6336	6	13°65'60	6°63'58			6394	29	24°42'80	5°13'20		
6287	11	16°70'28	10°03'19			6337	12	4°76'21	7°53'12			6395	20	24°70'98	5°87'91		
6288	5	17°16'63	10°99'24			6338	5	12°11'03	7°01'04			6396	21	24°91'92	5°01'83		
6289	8	22°34'68	10°07'72			6339	10	12°73'17	7°68'89			6397	30§	16°87'64	6°46'73	64°13'75	9°3
6290	15	23°69'32	10°63'96			6340	5	11°32'30	8°61'40			6398	7	18°02'80	6°70'17		
6291	22	24°56'64	10°18'45			6341	6	12°45'24	8°55'18			6399	7	20°44'93	6°54'36		
6292	6	14°54'38	11°33'11			6342	14	13°19'94	8°19'78			6400	20	23°92'33	6°07'20		
6293	16	15°08'39	11°35'50			6343	6	13°70'69	8°91'79			6401	48§	17°44'18	7°64'47	64°13'77	8°5
6294	12	17°23'77	11°28'62			6344	25§	13°87'44	8°15'44	64 1370	9°1	6402	24§	18°56'02	7°85'41		
6295	10	17°69'26	11°31'97			6345	21§	13°88'46	8°04'39	64 1371	9°5	6403	19§	18°89'63	7°38'50		
6296	7	17°98'21	11°49'73			6346	8†	2°84'69	9°75'63			6404	24§	19°64'69	7°96'56	64°13'81	8°9
6297	23§	18°57'36	11°97'89	64 1349	9°0	6347	11	7°98'90	9°43'21			6405	17	20°35'86	7°93'60	64°13'83	9°5
6298	17	23°26'87	11°33'15			6348	13	9°26'51	9°38'02			6406	8	21°13'03	7°54'01		
6299	13	25°42'39	11°69'94			6349	15	12°85'91	9°36'60			6407	51§	23°64'70	7°59'74	64°13'86	8°0
6300	4	15°02'44	12°69'68			6350	20	4°95'60	10°78'86			6408	9	23°64'76	7°57'88		
6301	15	24°28'24	12°69'66			6351	15	6°68'36	10°23'91			6409	5	24°35'71	7°65'89		
6302	12	24°41'24	12°22'32			6352	22§	9°24'21	10°95'60	64 1361	9°5	6410	8	24°52'84	7°51'53		
6303	15	24°95'71	12°06'19			6353	32§	9°24'43	10°76'53	64 1362	9°4	6411	7†	25°06'03	7°38'56		
6304	10	25°89'17	12°22'66			6354	21§	10°02'24	10°61'67	64 1365	9°5	6412	18	25°11'61	7°22'33	64°13'89	9°3
6305	6	15°42'64	13°66'92			6355	40§	12°65'08	10°56'71	64 1369	8°5	6413	5	14°31'96	8°33'31		
6306	4	17°97'31	13°48'04			6299	5	2°40'11	11°85'97			6414	4†	14°39'02	8°29'73		
6307	9	21°65'40	13°15'94			6356	7	8°46'05	11°39'85			6415	49§	14°86'63	8°93'24	64°13'74	8°9
	69§	26°47'42	3°08'67	63 1534	7°5	6357	6	9°43'23	11°02'10			6416	4	20°63'15	8°78'61		
						6358	8	11°95'82	11°87'18			6417	34§	24°81'43	8°27'44	64°13'88	9°2
						6359	10	12°85'37	11°91'33			6418	7	25°22'16	8°47'39		
						6360	7	2°90'68	12°34'98			6419	12	15°16'89	9°96'52		
						6361	5*	4°85'48	12°09'44			6420	22§	17°17'98	9°32'89	64°13'76	9°3
						6362	9	5°83'72	12°20'53			6421	12	21°76'76	9°50'90	64°13'84	9°5
						6363	7	6°67'91	12°41'54			6422	25§	21°76'79	9°99'24	64°13'85	9°5
						6364	15	7°78'49	12°57'93			6423	29§	24°32'81	9°07'46	64°13'87	9°1
						6365	7	8°70'12	12°44'80			6424	29	25°34'24	9°35'29		
						6366	46§	9°82'41	12°04'72	64 1364	8°5	6425	46§	25°55'36	9°11'93	64°13'91	9°0
						6367	6	9°83'64	12°07'37			6426	10	17°74'84	10°48'31		
						6368	19	11°34'95	12°64'81	64 1366	9°3	6427	4	22°75'09	10°86'79		
						6369	6	11°59'01	12°27'39			6428	3	22°97'86	10°73'52		
						6370	20§	3°22'24	13°05'16	64 1356	9°5	6429	6	24°43'83	10°20'84		
						6371	4	4°21'47	13°25'70			6430	33§	14°09'80	11°51'04	64°13'73	8°9
						6372	12	4°26'21	13°83'56			6431	4	17°84'84	11°86'73		
						6373	5	6°13'19	13°19'40			6432	26§	18°68'62	11°87'29	64°13'80	9°5
						6374	21§	9°10'16	13°78'78	64 1360	9°0	6433	18	14°01'23	12°08'88	64°13'72	9°5
						6375	24§	11°53'00	13°41'59	64 1368	9°4	6434	17	18°24'11	12°53'94		
							10	12°41'87	13°34'73								

Nos. 6299 and 6304 are measured on plates 534 and 426.

Nos. 6386, 6387, 6424, and 6425 are measured on plates 426 and 2270.

1 *réseau* interval represents very nearly  $5' = 45'' \cdot 6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $= 47'' \cdot 3$  for  $y = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 19 <sup>h</sup> 39 <sup>m</sup> to 19 <sup>h</sup> 48 <sup>m</sup> Plate 426—contd.						R.A. 19 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 57 <sup>m</sup> Plate 2270—contd.						R.A. 19 <sup>h</sup> 57 <sup>m</sup> to 20 <sup>h</sup> 6 <sup>m</sup> Plate 2270—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
5435	17	19°19'07	12°87'60		m.	6483	2†	6°19'87	7°09'31		m.	6530	8	21°35'13	3°76'74		m.
5436	9	19°63'17	12°62'22			6484	9	7°62'71	7°02'44			6531	12	15°39'51	4°23'83		
5437	8	25°82'64	12°21'62			6485	7	9°50'59	7°04'94			6532	19	15°79'54	4°17'15		
5438	39§	17°88'60	13°52'86	64 1379	9°0	6486	60§	9°81'96	7°36'31	64 1398	6°3	6533	5	16°15'08	4°32'84		
5439	9	18°13'01	13°33'96			6487	7	13°87'43	7°82'11			6534	7	17°47'28	4°98'24		
5440	7	18°76'16	13°91'49			6425	37§	2°26'71	8°81'70	64 1391	9°0	6535	7	19°65'88	4°52'65		
5441	5	19°28'45	13°87'61			6488	7	7°02'55	8°65'09			6536	17	14°33'98	5°80'33		
5442	22§	22°80'06	13°66'09			6489	4	7°47'17	8°38'35			6537	10	14°35'63	5°18'22		
						6424	21	2°07'57	9°06'60			6538	9	14°94'65	5°74'36		
	24	26°75'82	2°34'23	63 1567	9°0	6490	6	5°42'93	9°40'32			6539	6	15°18'76	5°00'59		
	33	26°62'56	7°58'02	64 1393	8°8	6491	10	5°63'44	9°00'03			6540	10	18°10'08	5°33'02		
						6492	11	7°23'21	9°13'95			6541	35§	21°73'22	5°02'09	64 1410	9°0
						6493	2†	7°64'09	9°14'56			6542	30§	21°82'64	5°41'54	64 1411	8°9
						6494	15	9°40'42	9°67'84	64 1397	9°3	6543	16	24°58'61	5°28'65		
						6495	5	9°58'26	9°87'08			6544	8	14°56'81	6°57'48		
						6496	10	9°58'40	9°62'07			6545	26§	15°06'48	6°60'72	64 1401	9°1
						6497	6	11°36'59	9°35'94			6546	12	15°35'33	6°31'98		
						6498	15	11°82'43	9°81'64			6547	14	15°92'49	6°30'46		
						6499	6	11°86'18	9°14'10			6548	13	15°92'64	6°03'71		
						6500	5	13°05'50	9°53'96			6549	41§	19°30'38	6°47'11	64 1406	8°5
						6501	3	13°12'01	9°64'39			6550	67§	19°43'46	6°17'41	64 1407	6°5
						6502	4	13°35'56	9°62'07			6551	8	20°89'79	6°87'86		
						6503	19	3°10'20	10°76'90	64 1392	9°5	6552	21	23°28'50	6°91'13		
						6504	17	5°66'58	10°27'73			6553	17	24°16'34	6°52'23		
						6505	16	5°71'08	10°43'88	64 1394	9°3	6554	4	16°76'48	7°19'25		
						6506	3†	5°93'21	10°58'42			6555	19§	18°44'42	7°78'73		
						6507	12	7°02'35	10°59'18			6556	6	21°34'07	7°14'15		
						6508	15	8°95'79	10°38'71			6557	19	23°52'13	7°64'75		
						6509	9	11°13'99	10°19'64			6558	21	25°28'75	7°03'01		
						6510	4	13°47'70	10°44'26			6559	4†	14°04'44	8°81'96		
						6437	5	2°75'28	11°88'65			6560	5	14°63'53	8°59'74		
						6511	4	3°74'57	11°80'81			6561	82§	18°34'69	8°42'47	64 1405	5°0
						6512	2†	5°43'54	11°60'97			6562	12	25°92'83	8°56'40		
						6513	11	6°74'54	11°82'47			6563	7	14°05'61	9°60'58		
						6514	19§	8°17'35	11°45'18	64 1396	9°3	6564	16	15°09'10	9°78'99		
						6515	12	9°50'92	11°93'46			6565	7	16°92'93	9°17'57		
						6516	3	9°62'90	11°35'08			6566	5†	17°28'66	9°73'32		
						6517	2†	5°16'38	12°43'26			6567	5	18°97'34	9°73'68		
						6518	7	5°69'47	12°09'14			6568	24§	21°29'21	9°14'14	64 1408	9°5
						6519	5	8°89'31	12°93'13			6569	15	24°28'69	9°19'47		
						6520	7	9°12'27	12°87'64			6570	40§	24°91'38	9°15'84	64 1414	8°5
						6521	30§	11°42'38	12°13'85	64 1399	9°3	6571	9	14°40'43	10°52'06		
						6522	5	12°25'55	12°88'10			6572	8	15°10'84	10°55'24		
						6523	4	13°42'31	12°87'03			6573	13	15°66'67	10°37'63		
						6524	7	7°83'68	13°77'80			6574	17	16°22'88	10°24'85	64 1403	9°4
						6525	3†	9°11'22	13°67'79			6575	5	23°12'65	10°37'70		
						6526	8	12°04'98	13°49'72			6576	9	24°42'23	10°14'96		
												6577	5	24°79'46	10°64'97		
							25	1°04'46	8°85'55	64 1387	9°1	6578	8	14°20'02	11°16'08		
							26	1°47'22	8°02'51	64 1388	9°2	6579	10†	17°49'73	11°74'76		
												6580	7	17°89'57	11°60'22		
												6581	21	17°97'08	11°91'75	64 1404	9°5
												6582	10	19°44'42	11°32'12		
												6583	14	20°62'64	11°62'38		
												6584	23§	21°29'37	11°83'53	64 1409	9°3
												6585	6	21°30'93	11°95'91		
												6586	14	22°27'33	11°47'35		
												6587	7	23°53'53	11°62'52		
												6588	17	25°11'54	11°67'68		

No. 6437 is measured on plates 426 and 2270.

Nos. 6562 and 6588 are measured on plates 2270 and 2769.

r réseau interval represents very nearly  $5' = 45^{\circ}6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^{\circ}3$  for  $\gamma = 14$  (Dec. + 65°).

ZONE + 64°.

R.A. 19 <sup>h</sup> 57 <sup>m</sup> to 20 <sup>h</sup> 6 <sup>m</sup>						R.A. 20 <sup>h</sup> 6 <sup>m</sup> to 20 <sup>h</sup> 15 <sup>m</sup>						R.A. 20 <sup>h</sup> 15 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup>					
Plate 2270—contd.						Plate 2769—contd.						Plate 2769—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
6589	6	14.7130	12.2701	°	m.	6562	7	2.6878	8.5511	°	m.	6684	9	22.1712	5.1438	°	m.
6590	7*	15.5440	12.0395			6638	12	3.0697	8.5664			6685	4†	15.2848	6.2617		
6591	5	18.6544	12.6702			6639	21§	3.4677	8.3389			6686	39§	16.9477	6.1387	64 1432	8*
6592	4	18.7140	12.3886			6640	3	4.6705	8.1546			6687	41§	20.6604	6.5230	64 1436	7.5
6593	8	21.0392	12.4745			6641	6	4.7002	8.6922			6688	6	21.0521	6.9594		
6594	5	21.2687	12.0771			6642	6	6.6715	8.5334			6689	11	21.4914	6.9737		
6595	72§	25.8778	12.8708	64 1415	7.2	6643	32§	9.4965	8.8970	64 1426	8.9	6690	38§	23.4542	6.7437	64 1440	8.9
6596	31§	16.0672	13.1708	64 1402	9.0	6644	9	4.3113	9.6984			6691	13	24.0050	6.8395		
6597	15	19.3938	13.4888			6645	6	4.5875	9.4741			6692	4†	16.1813	7.4735		
6598	4	19.4341	13.4836			6646	32§	8.0408	9.0207	64 1421	9.0	6693	9	16.6846	7.4460		
6599	5	22.0471	13.2266			6647	3	10.3180	9.4086			6694	6	18.1693	7.0837		
6600	15	22.7577	13.7786	64 1412	9.5	6648	5	13.3957	9.0867			6695	4	19.1360	7.0619		
6601	13	23.9647	13.4966			6649	10	2.9330	10.7512			6696	12	20.6809	7.1051		
6602	28§	24.3097	13.2192	64 1413	9.5	6650	7	3.2912	10.7589			6697	6	21.0377	7.1809		
6603	12	25.7782	13.9557			6651	5	6.0683	10.4746			6698	6	21.5305	7.3576		
						6652	6	8.0304	10.9680			6699	22§	14.4900	8.4207	64 1429	9.5
	73§	26.4800	5.8612	64 1416	8.1	6653	4	3.1431	11.3765			6700	37§	16.7740	8.6325	64 1430	7.4
	67§	26.2371	12.6475	64 1417	7.9	6654	16	11.7878	11.8336			6701	8	20.0139	8.0933		
						6595	62§	2.9428	12.8506	64 1415	7.2	6702	10	20.5624	8.3503		
						6655	57§	3.2842	12.5986	64 1417	7.9	6703	17	22.6804	8.0248	64 1438	9.5
						6656	5	4.7015	12.8665			6704	10	15.8833	9.4353		
						6603	16	2.9202	13.9416			6705	11	17.2289	9.5883		
						6657	4	3.2557	13.0007			6706	10	18.2760	9.6805		
						6658	9	5.3157	13.7022			6707	4	21.1489	9.5580		
						6659	21	8.3585	13.6611	64 1422	9.5	6708	13	24.0591	9.3013	64 1441	9.5
						6660	7	9.8012	13.2634			6709	5	24.3357	9.2425		
						6661	5	12.3020	13.4771			6710	24	25.4847	9.7236		
												6711	16	15.9079	10.3702		
							34§	1.7164	9.2166	64 1414	8.5	6712	18§	16.8365	10.7105	64 1431	9.5
												6713	10	17.7377	10.3170		
												6714	5†	19.3996	10.6119		
												6715	26	19.7713	10.5927		
												6716	4*	15.9396	11.1810		
												6717	6	17.7104	11.6096		
												6718	9	18.3343	11.4772		
												6719	4	18.5756	11.2543		
												6720	5	22.6157	11.1552		
												6721	6	15.0581	12.0526		
												6722	4	16.4281	12.6370		
												6723	6†	16.9050	12.1968		
													39§	26.0304	7.8741	64 1443	9.0

Nos. 6395 and 6603 are measured on plates 2270 and 2769. Nos. 6670, 6676, and 6710 are measured on plates 2769 and 2280.  
B. D.  $63^{\circ} 16' 00''$ . Not shown on plate 2769. Shown on corresponding Chart Plate 2158 taken 1894, July 27.

1 réseau interval represents very nearly  $5' = 45^{\text{s}}.6$  of R. A. or  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).



## ZONE + 64°.

R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 33 <sup>m</sup>						R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 33 <sup>m</sup>						R.A. 20 <sup>h</sup> 33 <sup>m</sup> to 20 <sup>h</sup> 42 <sup>m</sup>					
Plate 2280—contd.						Plate 2280—contd.						Plate 2280—contd.					
No.	Diam.	$\alpha$ .	$\mu$ .	B. D.		No.	Diam.	$\alpha$ .	$\mu$ .	B. D.		No.	Diam.	$\alpha$ .	$\mu$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
6733	3†	11.8388	3.5884	64 1442	9.4	6790	4	5.7963	10.1399	64 1445	9.0	6842	6	16.2565	4.1097	64 1459	9.5
6734	6	12.5696	3.1750			6791	4	6.8965	10.6975			6843	5	17.2048	4.7317		
6735	6	13.7546	3.0984			6792	7	7.2078	10.7632			6844	10	17.2493	4.5419		
6736	41§	2.2855	4.7961			6793	10	7.6655	10.8172			6845	7	20.5103	4.8077		
6737	4	4.5485	4.7359			6794	12	10.6272	10.5681			6846	14	21.3881	4.0011		
6738	4†	8.0562	4.7804			6795	3	11.9611	10.5532			6847	7	23.3385	4.6064		
6739	3	8.5115	4.5520			6796	5	2.6125	11.1974			6848	25§	15.0850	5.1715		
6740	3†	9.4536	4.5418			6797	6	2.7777	11.6144			6849	6	16.4163	5.4627		
6741	6	10.7064	4.9523			6798	6	5.7369	11.1413			6850	24§	17.9236	5.1796		
6742	8	11.3840	4.4947			6799	4	6.6173	11.6099			6851	9	19.4157	5.5486		
6743	7	11.9340	4.0121	64 1444	8.6	6800	31§	7.5893	11.9936	6852	23§	19.9486	5.3083				
6744	8†	12.1683	4.0341			6801	2*	12.7622	11.3734	6853	10	20.7801	5.2462				
6745	6	12.4776	4.3236			6802	10	4.6362	12.1842	6854	6	21.2472	5.9059				
6746	4	12.5338	4.4842			6803	15	4.6870	12.4959	6855	22§	21.6806	5.7357				
6747	7	13.1802	4.4206			6804	9	8.4337	12.7683	6856	3*	24.7592	5.4129				
6748	40§	4.8997	5.8089			6805	3	10.1149	12.5980	6857	8	14.1162	6.3839				
6749	4†	7.3768	5.1684			6806	25§	12.9344	12.4990	6858	4	15.0551	6.3422				
6750	3†	9.1970	5.2550			6807	6	13.1359	12.8139	6859	4	17.8230	6.8029				
6751	16	10.1346	5.6101			6808	3*	13.2420	12.7219	6860	3	18.7989	6.8969				
6752	4†	11.4676	5.7685			6809	7	4.3695	13.5037	6861	4	19.8859	6.7825				
6753	3	12.8242	5.7704	64 1447	9.5	6810	8	4.4938	13.2962	6862	13	21.6399	6.3824				
6754	15§	13.8542	5.5405			6811	3†	8.8592	13.3900	6863	5*	22.9851	6.1004				
6755	13	7.2334	6.4317			6812	6	9.6659	13.0696	6864	3*	24.0914	6.3440				
6756	4	7.6117	6.1320			6813	9	10.4865	13.9148	6865	17	25.5708	6.8728				
6757	15§	8.1779	6.1506			R.A. 20 <sup>h</sup> 33 <sup>m</sup> to 20 <sup>h</sup> 42 <sup>m</sup> Centre R.A. 20 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2280. 1894, Oct. 14.						6866	8	14.4280	7.0107		
6758	4	8.5077	6.8237									6867	4	15.4703	7.1004		
6759	14	10.5420	6.0164									6868	3*	16.3859	7.1666		
6760	4	10.6926	6.6517									6869	5	16.6700	7.3784		
6761	4	12.2743	6.2361									6870	4	18.5672	7.5435		
6762	44§	12.3439	6.1311									6871	4	19.1069	7.2390		
6763	12	12.3685	6.1325	6872	3							20.0443	7.3302				
6764	50§	13.6069	6.3434	6873	4*							20.2803	7.0844				
6765	7	13.6835	6.5562	6814	8	14.0111	2.6174	63 1635	9.3	6874	4†	21.4890	7.1859				
6766	13	13.8026	6.1535	6815	32§	15.3258	2.1216			6875	7	22.3070	7.7854				
6767	3*	2.7001	7.1924	6816	22§	15.5587	2.5294			6876	6*	25.1528	7.2655				
6768	38§	2.8005	7.7597	6817	8	16.6185	2.8148			6877	7	25.1818	7.1355				
6769	4*	7.1429	7.8006	6818	11	16.8042	2.9751			6878	8	16.1840	8.1712				
6770	4*	7.8956	7.7184	6819	4*	17.2247	2.4194			6879	13	17.2472	8.0901				
6771	41§	8.5718	7.4752	6820	52§	17.4059	2.0915			6880	40§	17.6320	8.6911				
6772	19§	10.6354	7.0704	6821	20	17.6580	2.3190			6881	12§	17.6770	8.1313				
6773	6	11.6461	7.9029	6822	11	17.8435	2.7952			6882	4	19.1011	8.8318				
6774	12§	13.5081	7.3168	6823	4*	18.4206	2.7759			6883	4	21.4650	8.4133				
6775	8	2.5528	8.0039	6824	22	19.2037	2.1194			6884	5	21.7896	8.9323				
6776	6	3.8227	8.8456	6825	5*	21.1126	2.5537			6885	6*	25.4726	8.5870				
6777	21§	5.1881	8.4212	6826	15	21.3947	2.6183			6886	6†	25.8773	8.8986				
6778	9	7.8792	8.4370	6827	7	21.7728	2.4478			6887	16§	15.0892	9.4429				
6779	†	8.3769	8.4027	6828	40§	15.0282	3.8801	64 1453	9.2	6888	5	16.4991	9.9349				
6780	7	8.8846	8.8885	6829	10	16.8382	3.8989			6889	4	17.2407	9.0778				
6781	19§	9.3122	8.5429	6830	29§	17.1757	3.7527			6890	9	19.0111	9.3734				
6782	2	10.6600	8.3448	6831	14	17.7352	3.0069			6891	8	20.8631	9.6107				
6783	4	10.9464	8.5850	6832	4*	18.5150	3.9853			6892	7	21.0126	9.3218				
6784	9	11.7909	8.6187	6833	6*	18.9049	3.6856			6893	6	21.4772	9.3564				
6785	9	11.8152	8.8868	6834	48§	19.6037	3.5253			6894	5	21.7216	9.2971				
6786	11	12.5761	8.9023	6835	10	20.4463	3.8823			6895	3*	23.8930	9.4374				
6787	19	2.3889	9.6429	6836	5*	21.1125	3.4067			6896	4†	24.4895	9.8901				
6788	4	5.3327	9.2497	6837	9	23.4146	3.5050			6897	5†	25.1507	9.4985				
6789	6	11.1819	9.3810	6838	6	23.8708	3.6774			6898	11	15.4325	10.6229				
				6839	14	24.2938	3.9984	6899	17§	16.4576	10.8490						
				6840	9	25.0162	3.3484	6900	7	16.4741	10.1911						
				6841	6	14.2381	4.0578										

Nos. 6865, 6885, 6886, and 6897, are measured on plates 2280 and 535.

1 *réseau* interval represents very nearly 5' = 45°.6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.												
				No.	Mag.											No.	Mag.											
R.A. 20 <sup>h</sup> 33 <sup>m</sup> to 20 <sup>h</sup> 42 <sup>m</sup>						R.A. 20 <sup>h</sup> 42 <sup>m</sup> to 20 <sup>h</sup> 51 <sup>m</sup>						R.A. 20 <sup>h</sup> 42 <sup>m</sup> to 20 <sup>h</sup> 51 <sup>m</sup>																
Plate 2280—contd.						Plate 535—contd.						Plate 535—contd.																
6901	4	19°01'34	10°9'135	°	m.	6954	25§	5°74'79	4°6'177	64 1467	8.5	6921	42§	2°43'62	10°9'866	64 1464	8.8											
6902	8	19°49'72	10°22'34			6955	20	6°9'735	4°18'01			7008	22§	5°52'27	10°4'177	64 1466	9.5											
6903	9	20°32'16	10°40'14			6956	4	8°46'21	4°73'93			7009	8	6°14'92	10°24'73													
6904	6	21°16'83	10°9'335			6957	41§	9°8'700	4°84'89	64 1470	8.6	7010	4	7°02'13	10°9'224													
6905	5	21°60'26	10°90'55			6958	3	10°08'58	4°16'78			7011	4	7°54'40	10°11'84													
6906	35§	22°8'161	10°27'33	64 1460	8.2	6959	39§	10°37'61	4°58'43	64 1471	8.4	7012	6	8°07'44	10°60'78													
6907	5	24°06'86	10°81'32			6960	3	4°4'133	5°51'83			7013	8	9°76'90	10°63'06													
6908	4	24°67'56	10°35'62			6961	21§	6°6'702	5°78'64	64 1468	9.5	7014	8	10°32'18	10°71'83													
6909	6*	25°30'96	10°05'90			6962	7	6°82'61	5°63'62			7015	12	11°85'09	10°99'11													
6910	4	14°63'05	11°37'26			6963	6	8°34'99	5°57'94			7016	6	12°68'68	10°34'32													
6911	3	15°39'99	11°9'320			6964	9	9°6'589	5°60'58			7017	17	3°31'06	11°64'71													
6912	5	15°51'35	11°60'35			6965	5	10°93'66	5°50'83			7018	9	3°61'84	11°56'10													
6913	8	17°75'35	11°77'82			6966	3†	12°58'64	5°83'60			7019	9	3°67'67	11°37'62													
6914	21§	18°32'86	11°41'96			6865	20	2°28'03	6°79'72	64 1462	9.4	7020	6	3°81'78	11°03'74													
6915	4	20°07'88	11°46'03			6967	4	4°14'43	6°17'91			7021	24§	3°96'26	11°72'60	64 1465	9.4											
6916	45§	20°34'82	11°51'32	64 1457	8.0	6968	4	8°76'86	6°79'31			7022	7	5°42'66	11°03'91													
6917	4	22°54'48	11°17'54			6969	3	11°11'26	6°38'70			7023	4	5°43'72	11°85'84													
6918	4	23°18'82	11°12'19			6970	6	11°38'88	6°05'05			7024	7	8°04'74	11°58'70													
6919	6	23°63'02	11°04'72			6971	24§	12°03'57	6°24'09	64 1475	9.4	7025	6	8°28'56	11°17'38													
6920	5	23°84'59	11°81'37			6972	3	12°17'25	6°50'55			7026	7	8°34'57	11°61'66													
6921	46§	25°43'23	11°06'30	64 1464	8.8	6973	6	12°25'19	6°30'16			7027	18§	9°62'78	11°42'87													
6922	10	15°16'34	12°00'62			6974	4	12°34'91	6°65'77			7028	9	11°48'13	11°54'38													
6923	9	15°27'86	12°68'90			6975	18	13°16'50	6°88'44			7029	25§	11°85'51	11°52'35	64 1474	9.5											
6924	5	15°77'46	12°25'03			6976	11	13°50'92	6°35'99			7030	16	11°95'94	11°22'32													
6925	4	19°72'32	12°65'16			6977	15	6°22'82	7°41'66			7031	6	12°39'99	11°51'08													
6926	21§	21°03'23	12°76'19			6978	3	6°76'24	7°05'69			7032	3	12°90'71	11°05'19													
6927	10	21°89'24	12°82'85			6979	4	7°42'71	7°33'67			7033	2	12°92'04	11°95'12													
6928	9	23°75'62	12°77'80			6980	6	8°15'29	7°10'21			7034	8	12°93'36	11°94'09													
6929	21§	24°56'30	12°26'49			6981	6	8°37'74	7°93'63			7035	3	13°44'47	11°09'38													
6930	27	25°32'79	12°97'35	64 1463	8.9	6982	8	10°04'79	7°86'73			7036	4	2°23'90	12°14'96													
6931	6	14°98'23	13°39'40			6983	3	10°61'47	7°03'50	64 1476	8.8	6930	25§	2°47'08	12°89'76	64 1463	8.9											
6932	8	18°68'32	13°66'76			6984	41§	12°64'86	7°49'78			7037	19	3°47'42	12°84'99													
6933	4	18°91'65	13°70'76			6985	10	13°47'71	7°05'97			7038	10	4°49'18	12°24'02													
6934	9	19°45'84	13°83'66			6885	15	2°29'77	8°50'92			7039	4	8°48'48	12°68'39													
6935	2*	20°14'81	13°42'15			6886	10	2°72'57	8°79'68			7040	13	9°73'63	12°62'17													
6936	3	21°17'12	13°04'78			6986	7	2°83'30	8°51'06			7041	7	13°13'27	12°32'74													
R.A. 20 <sup>h</sup> 42 <sup>m</sup> to 20 <sup>h</sup> 51 <sup>m</sup>						6987	7	5°86'29	8°92'05			7042	6	3°69'90	13°26'49													
Centre R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°						6988	4	6°18'65	8°55'43			7043	3	3°84'10	13°14'66													
Plate 535. 1892, Sept. 3.						6989	10	6°63'22	8°63'88			7044	10	4°39'95	13°85'18													
6937	20	2°51'48	2°28'94	°	m.	6990	5	7°22'14	8°35'21			7045	6	4°67'07	13°04'43													
6938	8	6°86'32	2°88'21			6991	6	7°37'90	8°58'26			7046	21§	4°94'23	13°28'92													
6939	17	7°32'92	2°22'66			6992	38§	8°27'74	8°14'90	64 1469	8.7	7047	3	7°20'17	13°36'28													
6940	37§	9°17'00	2°63'46	63 1662	8.6	6993	3	8°71'60	8°63'84			7048	16	7°56'22	13°26'55													
6941	5	10°38'09	2°53'68			6994	4	9°15'33	8°30'72			7049	4	8°01'58	13°23'68													
6942	20§	10°93'21	2°79'73			6995	8	9°45'63	8°66'68			7050	8	10°03'47	13°03'01													
6943	5	13°41'32	2°39'83			6996	4	10°60'10	8°19'82			7051	14	11°92'65	13°88'57													
6944	20	4°43'08	3°83'73			6897	8	2°04'97	9°44'59			R.A. 20 <sup>h</sup> 51 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>																
6945	7	7°08'04	3°12'64			6909	6	2°24'36	9°99'45			Centre R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°																
6946	22	9°63'88	3°53'92	63 1664	9.4	6997	11	5°37'15	9°53'31			Plate 535. 1892, Sept. 3.																
6947	5	10°30'06	3°19'04			6998	5	5°50'08	9°26'05			7052	3	16°07'97	2°91'89	°	m.											
6948	22§	11°38'07	3°69'81	63 1668	9.5	6999	4	6°29'44	9°66'12			7053	19	17°81'66	2°46'08													
6949	8	12°63'92	3°19'94			7000	18	7°06'24	9°81'21			7054	12	21°43'37	2°22'00													
6950	6	13°77'02	3°85'89			7001	8	7°96'40	9°41'99			7055	36	22°35'68	2°67'20	63 1684	9.5											
6951	26§	13°94'45	3°39'67	63 1671	9.5	7002	4	8°31'57	9°86'79			7056	6†	22°60'11	2°22'10													
6952	4	3°75'96	4°28'34			7003	23§	8°71'21	9°19'45			7057	8†	24°31'33	2°89'80													
6953	4	5°12'50	4°96'75			7004	2	9°15'00	9°52'12																			
						7005	4	9°43'70	9°86'38																			
						7006	3	10°13'96	9°14'39																			
						7007	25§	10°55'07	9°30'34	64 1472	8.8																	

Nos. 6909, 6921, and 6930 are measured on plates 2280 and 535.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and  $= 47^{\circ}.3$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 20 <sup>h</sup> 51 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>					R.A. 20 <sup>h</sup> 51 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>					R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 9 <sup>m</sup>				
Plate 535—contd.					Plate 535—contd.					Plate 536—contd.				
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$											

Nos. 7080, 7107, 7119, 7120, and 7147 are measured on plates 535 and 536.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $y = 2$  (Dec. + 64°), and = 47°.3 for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 9 <sup>m</sup>						R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup>						R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup>					
Plate 536—contd.						Plate 536—contd.						Plate 536—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
7226	3	12.3811	9.2895			7275	16	17.2622	5.9398			7334	7	21.0775	11.4574		
7119	23§	2.0854	10.4730			7276	60§	18.9198	5.9491	64 1515	7.2	7335	19§	21.2782	11.9283	64 1524	9.5
7120	6	2.5194	10.2630			7277	29§	20.3853	5.6443	64 1521	9.3	7336	5	21.4950	11.9588		
7227	15	5.9350	10.4112			7278	4	22.1792	5.2223			7337	23§	21.6125	11.1719		
7228	9	7.6610	10.2374			7279	23	24.6319	5.7172			7338	3	21.7619	11.4506		
7229	6	11.2912	10.4403			7280	5	16.1657	6.9911			7339	6	24.5056	11.7291		
7230	3	12.0847	10.1849			7281	10	16.3741	6.3358			7340	24§	24.8337	11.3185		
7231	3†	12.1966	10.2819			7282	5	16.5130	6.7351			7341	5	14.4838	12.4318		
7232	14	12.5948	10.7281			7283	4	18.9851	6.1028			7342	3†	16.6179	12.5928		
7233	43§	4.9650	11.8247	64 1490	8.9	7284	42§	19.2609	6.7940	64 1517	8.2	7343	5	18.0759	12.1003		
7234	18	5.3447	11.4076			7285	4*	20.9576	6.7560			7344	7	20.5714	12.8077		
7235	8	6.4344	11.3108			7286	7	22.3849	6.8102			7345	9	21.0270	12.4019		
7236	5	6.5601	11.8836			7287	13§	14.1661	7.2180			7346	5	21.5740	12.1783		
7237	19	11.1632	11.9874			7288	24§	14.2859	7.8233	64 1511	9.1	7347	9	22.2008	12.3333		
7238	27§	11.6022	11.3848			7289	6	16.4281	7.2251			7348	12	22.7352	12.2817		
7239	22§	11.8019	11.8872			7290	21§	16.6323	7.8666			7349	12	24.5358	12.9900		
7240	11	11.8987	11.2662			7291	36§	17.9617	7.8545	64 1514	8.8	7350	11	25.3624	12.9216		
7241	7	13.5138	11.4758			7292	5	18.7186	7.5579			7351	11	25.7469	12.6239		
7242	21§	5.5479	12.7451	64 1492	9.5	7293	10	22.7509	7.6275			7352	6	15.5037	13.6464		
7243	4	8.6677	12.0965			7294	130§	24.7816	7.4604	64 1527	5.5	7353	17	16.6966	13.8260		
7244	5	10.3825	12.3010			7295	23	25.2087	7.3653			7354	3	20.4646	13.0378		
7245	31§	11.3950	12.6126	64 1506	9.3	7296	17§	16.0633	8.0061			7355	3*	21.8090	13.2963		
7246	5	11.5387	12.4818			7297	8	17.6263	8.5898			7356	5	22.4229	13.1341		
7247	10	12.3180	12.4866			7298	23§	19.1638	8.2624	64 1516	9.2	7357	3	22.5754	13.3910		
7147	16	2.0972	13.9469			7299	14	20.0838	8.2270			7358	16§	23.1025	13.1454		
7248	9	2.3254	13.7871			7300	4	20.7443	8.3072			7359	10	23.6859	13.8055		
7249	8	4.4787	13.7311			7301	17	21.8053	8.9230			R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup>					
7250	11	5.4658	13.4260			7302	23	24.1716	8.1562			Centre R.A. 21 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°					
7251	18	5.8481	13.4639			7303	22	24.5123	8.7496			Plate 1334. 1893, Aug. 5.					
7252	6	7.7876	13.5951			7304	27§	25.2426	8.5347			7360	5	6.0004	2.4461		
7253	6	10.0704	13.5137			7305	23	25.4299	8.1407			7361	10	6.2900	2.3585		
7254	9	11.1202	13.8296			7306	6*	14.2423	9.6760			7362	21	6.3239	2.2236	63 1724	9.5
7255	2	11.6638	13.8723			7307	5	19.4343	9.8338			7363	10	8.8251	2.1367		
7256	28§	12.1824	13.0305			7308	21§	20.4888	9.4766			7364	20	9.5891	2.3394		
7257	7	13.1380	13.4876			7309	7	20.5636	9.6283			7365	14	9.6695	2.8773		
R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup>						7310	21§	22.2694	9.9057			7366	22§	9.7894	2.9842		
Centre R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°						7311	19§	22.3384	9.7354			7367	23	10.1012	2.4270		
Plate 536. 1892, Sept. 3.						7312	4	22.7046	9.7331			7368	18	11.0909	2.8495		
7258	19	18.0194	2.6350			7313	19§	22.9678	9.7493			7369	5	11.6547	2.4584		
7259	51§	19.0946	2.8911	63 1711	7.8	7314	6*	23.5284	9.1584			7370	33§	12.9466	2.6552	63 1739	9.2
7260	14	19.9197	2.9093			7315	12	23.9388	9.2068			7267	41§	2.2930	3.0980		
7261	44§	23.7273	2.6694	63 1714	9.5	7316	8	15.7152	10.5849			7371	11	6.1370	3.9852		
7262	8†	18.3841	3.0953			7317	4	16.0317	10.5342			7372	14	7.8250	3.0414		
7263	22§	20.0282	3.9309			7318	21§	16.4584	10.9908	64 1519	8.8	7373	5	8.2299	3.0490		
7264	24§	20.1839	3.5326			7319	22§	18.5570	10.0707	64 1520	8.8	7374	9	8.5245	3.5842		
7265	50§	20.5179	3.3851	63 1712	8.3	7320	41§	19.4163	10.5375	64 1522	7.5	7375	6	9.9854	3.8024		
7266	8†	21.4597	3.0667			7321	33§	19.4885	10.0461			7376	7*	9.9994	3.0424		
7267	45	25.9632	3.0503			7322	49§	20.3395	10.4290			7377	24§	10.3414	3.1713	63 1731	9.1
7268	10	16.6794	4.7599			7323	13	20.5251	10.8607			7378	19	10.3659	3.5901		
7269	14	17.1444	4.4201			7324	5	22.1737	10.7386			7379	4	11.2939	3.4037		
7270	3*	18.6670	4.0097			7325	4	23.2361	10.8746			7380	44§	11.6649	3.9916	63 1733	8.5
7271	7	19.3769	4.9871			7326	4	23.6493	10.5897			7381	11	12.1569	3.7359		
7272	4†	19.6018	4.9839			7327	19	14.3686	11.5905			7382	9	13.0758	3.2593		
7273	83§	25.7607	4.5866	64 1528	7.5	7328	6	14.5463	11.5020			7273	78§	2.1987	4.6382	64 1528	7.5
7274	6	14.7993	5.8233			7329	6	14.7928	11.6239			7383	15	2.9558	4.3621		
						7330	6	15.9401	11.3560								
						7331	8	16.6549	11.4609								
						7332	9	16.8533	11.0180								
						7333	4	19.0075	11.0355								

Nos. 7267, 7273, 7305, 7350, and 7351 are measured on plates 536 and 1334.  
 Plate 536. B. D. 64°, 1513, mag. 9.3 and B. D. 64°, 1523, mag. 9.2 are not shown on this plate nor on the Chart Plate taken 1893 Oct. 27.

1 micron interval represents very nearly  $5' = 45^{\circ}6'$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and  $= 47^{\circ}3'$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

B. D.					B. D.					B. D.					
No.	Diam.	x.	y.		No.	Diam.	x.	y.		No.	Diam.	x.	y.		
No.					No.					No.					
Mag.					Mag.					Mag.					
R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup>					R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup>					R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup>					
Plate 1334—contd.					Plate 1334—contd.					Plate 1334—contd.					
o					o					o					
m.					m.					m.					
7384	19	4.3375	4.1710		7305	17	2.1215	8.2061		7501	21	11.1237	11.4093		
7385	21	5.9765	4.7619		7443	14	3.6337	8.7132		7502	7	12.7625	11.1937		
7386	18	7.0995	4.5741		7444	16	3.7594	8.2576		7350	17	2.3842	12.9812		
7387	18	7.3201	4.6962		7445	11	6.0170	8.6398		7351	17	2.7459	12.6569		
7388	8	7.3297	4.9627		7446	13	6.3083	8.2802		7503	248	4.2231	12.0225		
7389	4	7.4296	4.3561		7447	808	6.4680	8.8925	64 1535	7.4	7504	15	5.0269	12.4380	
7390	11	7.6990	4.9101		7448	578	6.8276	8.0077		7505	9	7.9734	12.5485		
7391	20	8.7659	4.5090		7449	278	6.8400	7.9913	64 1538	7.9	7506	508	9.6122	12.5074	64 1545
7392	268	9.8339	4.1703		7450	9	9.3806	8.0487		7507	268	10.1030	12.2169		
7393	13	10.2879	4.5312		7451	11	9.5002	8.8138		7508	408	12.2403	12.4756	64 1550	
7394	14	10.5885	4.5877		7452	7	10.1681	8.7291		7509	258	13.3697	12.5302		
7395	13	11.3158	4.2572		7453	5†	11.7369	8.4017		7510	19	4.6928	13.8890		
7396	12	11.3353	4.8682		7454	5*	12.5189	8.2172		7511	9	4.7349	13.1543		
7397	5	11.5924	4.2532		7455	8	12.5799	8.5937		7512	13	5.8647	13.6586		
7398	298	12.0428	4.1855	63 1734	7456	11	12.7941	8.8099		7513	10	6.5765	13.8671		
7399	13	12.1366	4.5150		7457	13	13.6194	8.7359		7514	14	7.9075	13.2867		
7400	488	12.3332	4.1061	63 1738	7458	16	3.8779	9.7303		7515	13	8.0479	13.4985		
7401	11	13.0865	4.8837		7459	838	6.6484	9.3024	64 1536	7.2	7516	4	8.0937	13.4476	
7402	8	6.3309	5.2117		7460	318	7.1523	9.1925	64 1539	8.9	7517	6	8.9025	13.5581	
7403	6	6.5038	5.4606		7461	14	8.2256	9.6716		7518	5	8.9716	13.8687		
7404	12	7.0603	5.7255		7462	13	8.5650	9.1988		7519	6	9.3131	13.0170		
7405	7	7.6583	5.7105		7463	17	8.7606	9.8452	64 1544	9.5	7520	7	9.4345	13.1743	
7406	16	8.0857	5.3713		7464	258	10.6809	9.4307		7521	15	10.6455	13.8240		
7407	6	8.8223	5.2589		7465	418	10.7660	9.5377	64 1547	8.8	7522	25	12.7256	13.7165	64 1552
7408	198	9.1078	5.7176		7466	368	11.8048	9.4696	64 1549	8.9	7523	19	12.7402	13.7656	
7409	7	10.0797	5.0863		7467	13	13.2773	9.6414		7524	15	12.7454	13.6769		
7410	7	10.8824	5.8321		7468	13	13.6371	9.1366							
7411	5	11.0350	5.4470		7469	6	13.6590	9.4112			688	4.1705	1.3462	63 1720	7.3
7412	10	11.1598	5.3859		7470	16	3.2102	10.4575			428	8.2704	1.2539	63 1729	8.9
7413	238	12.9333	5.4964		7471	218	3.5772	10.8238			408	10.9162	1.6886	63 1732	7.8
7414	12	13.4620	5.1628		7472	218	3.6742	10.0492	64 1530	9.5	1318	1.4163	7.5720	64 1527	5.5
7415	19	3.9903	6.9158		7473	16	5.6340	10.4805							
7416	15	4.6054	6.0657		7474	8	6.5542	10.9504							
7417	17	5.5752	6.8992	64 1533	7475	5	7.1688	10.9600							
7418	13	6.0832	6.3373		7476	8	7.2400	10.9549							
7419	10	6.3366	6.8631		7477	278	7.5176	10.8321	64 1540	8.8					
7420	7	6.3342	6.6619		7478	11	7.7050	10.2064							
7421	238	6.7614	6.1197	64 1537	7479	6	8.0169	10.5686							
7422	418	8.2320	6.6811	64 1542	7480	6	10.7725	10.9143							
7423	10	9.0213	6.3537		7481	388	11.0839	10.4508							
7424	5	9.1848	6.4794		7482	538	11.2075	10.2068	64 1548	7.9	7525	20	16.5335	2.6638	
7425	5	12.2029	6.3944		7483	13	12.6123	10.3358			7526	8	17.2962	2.7337	
7426	6	13.0988	6.2523		7484	19	13.8974	10.4188			7527	23	18.2733	2.6877	
7427	23	3.0445	7.3084		7485	6	2.2766	11.7906			7528	10	18.5547	2.0549	
7428	6†	4.7607	7.2504		7486	10	3.9937	11.1431			7529	11	20.4976	2.5229	
7429	10	4.8420	7.3449		7487	6	4.0702	11.1716			7530	12	20.9702	2.1870	
7430	338	5.6893	7.5329	64 1534	7488	298	4.4790	11.1267	64 1532	9.1	7531	388	21.7641	1.9766	
7431	3†	5.7614	7.6131		7489	6	5.8839	11.1949			7532	7†	22.5745	2.7868	
7432	6	6.3840	7.2093		7490	198	6.8008	11.3243			7533	22	22.8341	2.0101	
7433	238	6.8227	7.5645		7491	18	7.3984	11.7504			7534	12	23.9013	2.4897	
7434	8	8.1838	7.2792		7492	15	7.4884	11.4279			7535	8†	24.1560	2.5114	
7435	15	8.2633	7.2761		7493	11	8.0739	11.9755			7536	16	24.3010	2.4507	
7436	7	9.1718	7.4919		7494	4	8.5786	11.2590			7537	15*	24.7898	2.0500	
7437	7	9.2747	7.4965		7495	418	8.6261	11.2946	64 1543	8.1	7538	348	24.8941	2.0608	
7438	9.	11.2172	7.8304		7496	288	8.7689	11.4792			7539	31	25.0173	2.0969	
7439	8	12.9287	7.7853		7497	6	9.2228	11.1799			7540	14	14.4861	3.5309	
7440	258	13.0518	7.8574		7498	9	9.5774	11.9615			7541	298	15.3775	3.5792	
7441	9	13.5073	7.4049	64 1553	7499	5	9.6571	11.1587			7542	9	15.8400	3.2183	
7442	12	13.5882	7.8171		7500	618	9.9306	11.9376	64 1546	7.8	7543	228	16.0368	3.3336	
											7544	7	17.3209	3.5514	

## ZONE + 64°.

B. D.						B. D.						B. D.					
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup>						R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup>						R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup>					
Plate 1334— <i>contd.</i>						Plate 1334— <i>contd.</i>						Plate 1334— <i>contd.</i>					
7545	19	18°1167	3°0728	°	m.	7604	14	25°9666	7°0917	°	m.	7663	4	16°3291	12°5121	°	m.
7546	13	18°5266	3°4587			7605	11	14°1680	8°4501			7664	40§	16°3444	12°8281	64 1556	9°3
7547	17	19°2341	3°8104			7606	10	14°5480	8°6536			7665	26§	18°0239	12°1390		
7548	13	19°5243	3°6027			7607	21	15°1249	8°6224			7666	12	19°2661	12°8499		
7549	20	21°3395	3°6696			7608	5	15°5655	8°7632			7667	5	19°4476	12°7407		
7550	10	22°5309	3°3219			7609	10	15°7569	8°5509			7668	4	19°4585	12°2321		
7551	63§	23°4025	3°1774	63 1754	8.5	7610	20	16°1524	8°9534			7669	25§	20°3728	12°8899	64 1568	9°2
7552	22	24°0593	3°9312			7611	19	16°4373	8°4331			7670	39§	21°4340	12°6099		
7553	17	24°9041	3°1412			7612	4†	16°8919	8°2812			7671	12	22°4840	12°0436		
7554	36	25°1836	3°0744			7613	6	16°9276	8°2426			7672	26§	22°7506	12°1213		
7555	15	14°2739	4°9771			7614	38§	17°8309	8°5153	64 1561	9°0	7673	19§	23°7514	12°7839		
7556	7	14°4817	4°7487			7615	5	18°0137	8°5464			7674	15	24°6996	12°3554		
7557	5	15°3339	4°4299			7616	11	18°5030	8°9856			7675	13	25°8113	12°2365		
7558	20	17°3021	4°2573			7617	4	18°6308	8°9679			7676	27§	14°9674	13°9681		
7559	10	17°6766	4°0490			7618	11	19°3422	8°4840			7677	21§	16°9632	13°6407		
7560	10	18°0460	4°0965			7619	42§	20°4835	8°4295	64 1567	7°5	7678	24§	19°1628	13°6132		
7561	19	18°7973	4°6144			7620	26	21°9278	8°2700			7679	7	19°2358	13°5899		
7562	8	22°8613	4°6812			7621	15	23°1225	8°8896			7680	17	22°1807	13°3424		
7563	7	22°8680	4°6766			7622	49§	24°7166	8°5447	64 1572	8°8	7681	15	22°9567	13°0810		
7564	23	24°2052	4°1172			7623	9	14°3492	9°5176			7682	7	24°3867	13°2486		
7565	46§	24°3770	4°2876	63 1756	9°5	7624	36§	14°4128	9°0418			7683	53§	25°0852	13°2695	64 1575	6°8
7566	20§	17°0192	5°5623	64 1559	9°3	7625	18§	15°3366	9°8006				83§	26°1919	1°4253	63 1759	7°0
7567	10	17°3270	5°1278			7626	4	15°3478	9°2803				49§	26°2893	6°0455	64 1578	9°4
7568	18§	17°4577	5°5373			7627	17§	15°4679	9°8319				56§	26°6911	6°4079	64 1579	8°5
7569	12	17°5441	5°9199			7628	10	16°3159	9°5605				48§	26°2082	9°2783	64 1576	9°4
7570	32§	18°0492	5°5686	64 1562	9°5	7629	4	18°1267	9°3946				36§	26°0169	13°5637	64 1577	9°4
7571	9	18°2148	5°3333			7630	14	21°1141	9°6195			R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 45 <sup>m</sup>					
7572	11	18°6949	5°3489			7631	25§	23°3889	9°2451			Centre R.A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°					
7573	45§	19°5109	5°4363	64 1565	8°5	7632	10	25°6971	9°9648			Plate 2950. 1895, Nov. 17.					
7574	6	22°2222	5°7105			7633	17	17°3179	10°1529			7684	17	3°8801	2°2226	°	m.
7575	28§	23°9543	5°7488			7634	20§	19°2737	10°3543			7685	24§	7°4182	2°5132	63 1763	8°5
7576	14	14°0440	6°3006			7635	3	19°9590	10°7491			7686	3*	7°5741	2°3550		
7577	4	14°3484	6°0116			7636	11	20°5261	10°5790			7687	29§	7°7284	2°1337		
7578	9	16°1833	6°4370			7637	19	21°0808	10°9671			7688	8	8°9362	2°7490		
7579	8	16°2271	6°0640			7638	5	21°2945	10°0471			7689	3	9°6485	2°6881		
7580	18	17°0010	6°4677	64 1557	9°5	7639	18§	21°7775	10°4856			7690	19	10°5653	2°7712		
7581	13	18°2914	6°4596			7640	17	22°3241	10°9193			7691	21	10°9847	2°4892	63 1771	9°5
7582	4	18°5985	6°5608			7641	6	22°7161	10°9491			7692	7	11°3700	2°8048		
7583	19	18°9168	6°0800			7642	5	22°8654	10°3830			7693	6	11°8977	2°0566		
7584	5	20°6895	6°6189			7643	7	23°5158	10°6085			7694	3	12°7564	2°7408		
7585	15	20°8516	6°5428			7644	21§	23°8018	10°8610			7695	8	13°3823	2°7691		
7586	10	21°0904	6°0997			7645	9	25°1451	10°3368			7696	20	4°7523	3°3686		
7587	5†	21°4106	6°0064			7646	30§	25°3005	10°1526			7697	20	5°8834	3°7533		
7588	35§	22°6856	6°0904	64 1571	9°5	7647	30§	25°8064	10°9089			7698	7	6°5019	3°8741		
7589	23§	23°1119	6°9181			7648	12	14°3585	11°5957			7699	8	7°2926	3°1049		
7590	26§	25°1727	6°2622			7649	6	16°6343	11°9796			7700	5	10°1572	3°6965		
7591	38§	25°3228	6°3186	64 1573	9°4	7650	7	16°7282	11°4867			7701	3	10°1731	3°4283		
7592	15	25°6742	6°0131			7651	2*	17°4355	11°6621			7702	11	12°1780	3°0531		
7593	20§	14°1856	7°5047			7652	13	17°4647	11°5497			7703	3	12°5128	3°2048		
7594	34§	14°8113	7°7703	64 1554	9°1	7653	6	17°5895	11°2171			7704	7	5°6053	4°2919		
7595	6	14°9653	7°4775			7654	5	17°9845	11°1018			7705	6	5°9234	4°6763		
7596	19§	17°9255	7°7676			7655	20§	18°0853	11°0303			7706	31§	7°8087	4°4652	63 1766	8°5
7597	7	18°2573	7°1219			7656	6	19°9055	11°1588			7707	4	8°1167	4°2729		
7598	37§	18°3573	7°4249	64 1563	8°8	7657	13	21°7036	11°5735			7708	4	8°9461	4°6859		
7599	6	18°7132	7°9571			7658	4†	22°2498	11°2304								
7600	12§	18°9347	7°8414			7659	11	22°3954	11°7304								
7601	14	19°7134	7°7065			7660	4	14°9753	12°5821								
7602	33§	19°7477	7°5683	64 1566	8°5	7661	16	14°9950	12°5693								
7603	10	20°2987	7°8970			7662	7	15°5526	12°9464								

Nos. 7646, 7647, and 7683 are measured on plates 1334 and 2950.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and  $= 47^{\circ}.3$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 45 <sup>m</sup>						R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 45 <sup>m</sup>						R.A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup>					
Plate 2950—contd.						Plate 2950—contd.						Plate 2950—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
7709	31 <sup>s</sup>	9°1902	4°0961	63°1769	m. 8.6	7766	3	11°6671	10°4547	°	m.	7813	12	16°5951	5°0709	°	m.
7710	8	9°8639	4°8516			7767	19 <sup>s</sup>	13°6466	10°9687	64°1589	9.4	7814	12	16°7827	5°9359		
7711	8	10°3645	4°1215			7768	4	3°8394	11°2650			7815	4	18°1247	5°5838		
7712	7	10°8346	4°6157			7769	11	7°3477	11°2533			7816	42 <sup>s</sup>	19°0637	5°0124	64°1599	7.7
7713	27	2°9037	5°8962	64°1578	9.4	7770	6	7°8643	11°5866			7817	5	19°3545	5°1931		
7714	10	2°9172	5°9070			7771	4	10°2078	11°3693			7818	13	21°0137	5°0282		
7715	7	5°8365	5°6206			7772	9	10°4996	11°6275			7819	3*	21°2137	5°2631		
7716	6	6°6276	5°7983			7773	24 <sup>s</sup>	12°4333	11°8791	64°1586	8.8	7820	21	22°4065	5°0590		
7717	22 <sup>s</sup>	7°2047	5°3821	64°1583	8.3	7774	11	12°8255	11°1267			7821	24	24°2329	5°7578		
7718	9	7°5088	5°5841			7775	3	6°9716	12°8261			7822	6†	24°5717	5°9325		
7719	4	8°8758	5°0884			7776	11	7°0969	12°8552			7823	5†	25°2141	5°2120		
7720	4*	8°9158	5°1548			7777	6	9°3520	12°5505			7824	12	22°6979	6°7030		
7721	6	9°4926	5°3455			7778	19 <sup>s</sup>	9°6499	12°7473			7825	35 <sup>s</sup>	23°9478	6°3116	64°1605	9.4
7722	8	11°0780	5°0989			7779	4	9°6558	12°3301			7826	16	25°7990	6°1125		
7723	9	12°5906	5°8976			7780	8	12°8607	12°6376			7827	16	15°0085	7°5907		
7724	4	12°9313	5°8083			7781	16	13°9505	12°1446	64°1592	9.4	7828	3	15°3774	7°3190		
7725	19	13°8062	5°0924	64°1588	9.5	7782	43 <sup>s</sup>	2°2112	13°1871	64°1575	6.8	7829	10	17°1099	7°6207		
7726	32 <sup>s</sup>	3°3277	6°2316	64°1579	8.5	7783	21 <sup>s</sup>	3°1584	13°4149	64°1577	9.4	7830	3	17°6119	7°2740		
7727	30 <sup>s</sup>	4°6247	6°5460	64°1580	8.4	7784	6	6°1090	13°8378			7831	21 <sup>s</sup>	19°4132	7°1578		
7728	5	4°8069	6°8799			7785	5	6°3023	13°4883			7832	54 <sup>s</sup>	19°4510	7°1652	64°1600	7.0
7729	9	4°8835	6°3015			7786	12	9°9051	13°8994			7833	16	20°2388	7°9654		
7730	2	8°2953	6°1698			7787	21 <sup>s</sup>	10°7393	13°2499			7834	13	20°3605	7°9470		
7731	17 <sup>s</sup>	9°4994	6°7102				3	10°8482	13°9039			7835	15	20°4758	7°9017		
7732	22 <sup>s</sup>	9°8388	6°3375	64°1584	9.5							7836	14	20°4979	7°7359		
7733	6	10°7004	6°2513				52 <sup>s</sup>	2°4839	1°2969	63°1759	7.0	7837	20 <sup>s</sup>	21°0700	7°9451	64°1601	9.4
7734	17	3°2816	7°1075				28 <sup>s</sup>	6°2453	1°8813	63°1761	8.7	7838	8	22°5299	7°4273		
7735	2	4°9712	7°1989				37 <sup>s</sup>	1°5073	8°4994	64°1572	8.8	7839	9	22°8325	7°4364		
7736	4	5°6692	7°3772			R.A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup>						7840	7	22°8862	7°7599		
7737	24 <sup>s</sup>	5°6719	7°4059	64°1581	9.3	Centre R.A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°						7841	9	25°8693	7°9622		
7738	5	6°1991	7°3283			Plate 2950. 1895, Nov. 17.						7842	13	15°1321	8°0976		
7739	16	6°8330	7°7263			7788	7	14°4509	2°5081	°	m.	7843	5	16°6898	8°9572		
7740	24 <sup>s</sup>	7°0657	7°6832	64°1582	8.8	7789	2†	14°8242	2°1402			7844	10	17°1122	8°1847		
7741	3	8°6535	7°4734			7790	9	16°3590	2°0433			7845	26 <sup>s</sup>	18°1323	8°2226	64°1598	8.5
7742	7	9°7912	7°3445			7791	21	18°7160	2°1752			7846	13	18°3357	8°3847		
7743	5	10°2689	7°8606			7792	15*	25°4507	2°7367			7847	8	19°1505	8°1580		
7744	13	11°0351	7°4608			7793	12	14°4975	3°5201			7848	12	19°4392	8°8666		
7745	3	11°8824	7°7756			7794	21 <sup>s</sup>	16°4064	3°7351			7849	19 <sup>s</sup>	19°4846	8°9929		
7746	2	13°5258	7°0910			7795	7	17°7541	3°6812			7850	8	20°5279	8°1562		
7747	9	3°5680	8°8352			7796	23 <sup>s</sup>	17°9832	3°3973	63°1778	9.3	7851	6	21°5434	8°9776		
7748	14	5°3588	8°1051			7797	13	19°8399	3°7376			7852	5	22°1019	8°0720		
7749	16	6°4377	8°2617			7798	4*	21°1467	3°6962			7853	6	22°6549	8°6701		
7750	7	8°4967	8°1534			7799	18	21°1821	3°9679			7854	12	23°3468	8°9537		
7751	3	9°8749	8°6252	64°1585	8.4	7800	18	24°1582	3°7720			7855	45 <sup>s</sup>	23°4748	8°3102	64°1604	8.5
7752	27 <sup>s</sup>	10°9083	8°2909			7801	23 <sup>s</sup>	14°0547	4°6765	64°1591	9.4	7856	18	23°9819	8°7686		
7753	4	13°8783	8°3959			7802	7	14°1492	4°6458			7857	15	24°0017	8°8177		
7754	27 <sup>s</sup>	3°0419	9°1268	64°1576	9.4	7803	20	16°1876	4°2356	63°1776	9.5	7858	9	24°0808	8°2914		
7755	17	4°2451	9°2485			7804	11	16°5117	4°8667			7859	5*	24°1148	8°6959		
7756	6	5°5791	9°6160			7805	8	17°6028	4°6505			7860	3	15°1747	9°9470		
7757	7	8°4542	9°4793			7806	18	17°6897	4°0945			7861	7	15°5637	9°7752		
7758	3	8°9651	9°6901			7807	7	19°3770	4°5335			7862	12	17°3515	9°8936		
7759	3	9°6181	9°3750			7808	3	20°2101	4°9023			7863	6	18°9082	9°2675		
7760	3	9°7253	9°3435			7809	3*	21°0280	4°9294			7864	6	19°2886	9°1231		
7761	4	12°0403	9°1947			7810	11	22°1555	4°6562			7865	54 <sup>s</sup>	14°9419	10°4077	64°1594	6.5
7762	9	12°6927	9°9047			7811	8	15°2473	5°7548			7866	7	15°1119	10°5341		
7763	9	13°2442	9°2340			7812	3	15°7801	5°6551			7867	3	15°1518	10°0317		
7764	21	2°2031	10°0614									7868	11	19°5921	10°0822		
7765	5	7°8022	10°5443									7869	5	20°0586	10°4354		
	5	9°5329	10°2635									7870	5	20°8266	10°7854		
												7871	12	22°9694	10°0164		

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^{\circ}.3$  for  $\gamma = 14$  (Dec. + 65°).

ZONE + 64°.

R.A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup>						R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup>						R.A. 22 <sup>h</sup> 3 <sup>m</sup> to 22 <sup>h</sup> 12 <sup>m</sup>							
Plate 2950—contd.						Plate 1593—contd.						Plate 1593—contd.							
No.	Diam.	$\alpha$ .	$\mu$ .	B. D.		No.	Diam.	$\alpha$ .	$\mu$ .	B. D.		No.	Diam.	$\alpha$ .	$\mu$ .	B. D.			
No.				No.	Mag.	No.				No.	Mag.	No.				No.	Mag.		
7872	17	24.3654	10.3986	64 1596	7.5	7922	13	8.4824	7.1525	64 1616	9.2	7969	9†	23.7438	6.5205	64 1624	9.2		
7873	4	15.7907	11.2076			7923	6	8.9604	7.6215			7970	42§	19.6299	7.5962			64 1633	8.6
7874	8	16.7103	11.3565			7924	21	10.6137	7.6035			7971	25§	16.1824	8.7964			64 1629	9.5
7875	34§	16.8484	11.1589			7925	17	10.8856	7.7067			7972	12	17.9796	8.1513				
7876	4	17.0483	11.7079			7926	4	11.0433	7.1126			7973	21	19.0128	8.6742				
7877	12§	18.0787	11.9338			7927	12	11.3259	7.1582			7974	9†	24.5777	8.9751				
7878	10	19.6281	11.1755			7928	3*	8.6173	8.3263			7975	22§	15.2363	9.3177			64 1627	9.5
7879	9	20.3425	11.8032			7929	5	12.1388	8.2432			7976	19	17.4103	9.7423				
7880	3	21.4234	11.6990			7930	25§	13.0494	8.4132			7977	8	20.8488	9.0167				
7881	13	23.0654	11.1217			7931	32§	9.6298	9.2657			7978	9	20.9858	9.0840				
7882	5†	24.7137	11.6149	64 1593	9.5	7932	8	10.5184	9.1563	7979	13†	25.8635	9.9997						
7883	3	14.1163	12.9521			7933	21	11.5781	9.6164	7980	10	15.3318	10.1157						
7884	6	14.1449	12.6479			7934	18	12.4814	9.3894	7981	7	17.7639	10.5639						
7885	3	16.0602	12.7973			7935	19	13.3207	9.2604	7982	15	25.3811	10.6661						
7886	4	16.1202	12.0901			7936	5	13.8935	9.7765	7983	39§	14.0428	11.8161	64 1624	9.2				
7887	6	16.7836	12.5990			7937	22	3.9342	10.9310	7984	10	17.6994	11.9999						
7888	4	19.8970	12.7557			7938	4	7.1463	10.7571	7985	6†	21.7326	11.9773						
7889	6	21.5496	12.4841			7939	7	8.8735	10.9491	7986	19	21.9101	11.7749						
7890	6	22.8961	12.0599			7940	27§	9.0627	10.3431	7987	3†	23.6989	11.1546						
7891	8	23.8768	12.4136			64 1607	6.5	7941	4	9.7472	10.4655	7988	13	24.0056	11.9845	64 1637	9.4		
7892	94§	24.0699	12.2854	7942	5			11.9380	10.7869	7989	10	14.1124	12.5284						
7893	15	24.1497	12.6427	7943	6			7.4450	11.0826	7990	13	18.0744	12.7652	64 1632	9.5				
7894	13	25.4907	12.4240	7944	7			11.6612	11.8005	7991	5†	25.0835	12.7529						
7895	11	25.6803	12.5531	7945	20			12.4013	11.4312	7992	12	14.7049	13.2566						
7896	6	14.6607	13.7474	7946	5			13.7391	11.2701	7993	29§	14.8063	13.5669	64 1625	9.4				
7897	6	16.0543	13.1654	7894	6			2.5413	12.3660	7994	4	15.7104	13.8160						
7898	21§	18.3504	13.8735	7895	5			2.7398	12.4810	7995	6	17.5341	13.7626						
7899	16	25.2030	13.6339	7947	15			5.8457	12.6735	7996	9	19.4805	13.0956						
	55§	26.0844	6.0029	64 1610	8.9			7948	3	6.0910	12.4439	7997	25	22.4256	13.9652	64 1636	9.2		
						7949	15	7.1523	12.8957	7998	9	25.2477	13.0582						
						7950	30§	10.9391	12.8649	7999	19	25.3357	13.9370						
						7899	9	2.3416	13.5897										
						7951	5*	3.8083	13.8933		20	26.5370	8.3211	64 1640	9.3				
						7952	7	3.8356	13.2875										
						7953	44§	6.8443	13.4467	64 1613	7.0								
							126§	1.1117	12.3289	64 1607	6.5								
R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup>						R.A. 22 <sup>h</sup> 3 <sup>m</sup> to 22 <sup>h</sup> 12 <sup>m</sup>						R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 21 <sup>m</sup>							
Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°						Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°						Centre R.A. 22 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°							
Plate 1593. 1893, Nov. 12.						Plate 1593. 1893, Nov. 12.						Plate 2831. 1895, Sept. 9.							
7900	19	10.9794	2.8638	63 1791	9.4	7954	19	16.0079	2.6723	63 1813	9.5	8000	16	2.5153	2.9527	63 1824	9.4		
7901	29	3.3763	3.2116			7955	11	15.0036	3.4611			8001	20	4.0163	2.0017			63 1824	9.4
7902	61§	4.7696	3.0929			7956	23	17.6289	3.8891			8002	17	5.6477	2.8679				
7903	4	4.8252	3.0559			7957	22	19.2511	3.4419			8003	20	8.0338	2.9510			63 1833	9.4
7904	50§	4.8294	3.8936			7958	16	16.3939	4.6488			8004	25	8.8163	2.0283				
7905	17	9.3102	3.4180			7959	9	16.5806	4.7078			8005	26	9.2235	2.3149			63 1835	9.5
7906	140§	11.2714	3.6436			7960	19	19.0331	4.9879			8006	10	2.9107	3.0573				
7907	4	11.9756	3.5772			7961	6*	19.2017	4.1277			8007	9	4.0993	3.0065				
7908	7	3.9376	4.9152			7962	6	15.1314	5.2437			8008	29§	4.1868	3.5995			63 1825	9.1
7909	61§	2.6728	5.9189			7963	23§	15.2953	5.7090			8009	6*	4.2189	3.4037				
7910	22	6.9731	5.1245	7964	10	16.4114	5.6637	8010	8	5.0243	3.4650								
7911	9	7.0423	5.1316	7965	10	16.4346	5.8084	8011	10	6.0546	3.0718								
7912	8	7.3176	5.4737	7966	15	16.6078	5.0611	8012	7†	6.4259	3.9268								
7913	10	7.6343	5.9242	7967	9	16.4961	6.3555	8013	5	10.9082	3.1276								
7914	12	8.5625	5.6466	7968	9	19.4781	6.4003	8014	7†	2.7467	4.6256								
7915	8	10.0456	5.9777					8015	24	3.1831	4.7110	64 1639	9.4						
7916	13	10.6422	5.4473					8016	54§	4.7982	4.1172	63 1826	8.4						
7917	4	13.3901	5.7155					8017	9	5.0997	4.0728								
7918	19	4.5009	6.7454					8018	61§	5.2996	4.5839	63 1828	8.0						
7919	19	7.0611	6.4282																
7920	20	3.9129	7.7828																
7921	18	5.4829	7.2440																

Nos. 7894, 7895, and 7899 are measured on plates 2950 and 1593.

Nos. 7979, 7982, 7991, 7998, and 7999 are measured on plates 1593 and 2831.

1 *réseau* interval represents very nearly  $5' = 45^{\text{s}}.6$  of R.A. for  $y = 2$  (Dec.  $+ 64^{\circ}$ ), and  $= 47^{\text{s}}.3$  for  $y = 14$  (Dec.  $+ 65^{\circ}$ ).



## ZONE + 64°.

R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 21 <sup>m</sup>						R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 21 <sup>m</sup>						R.A. 22 <sup>h</sup> 21 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup>					
Plate 2831—contd.						Plate 2831—contd.						Plate 2831—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
8019	44 $\frac{1}{2}$	6.6877	4.2201	63 1831	8.7	8074	6	9.2200	12.3799			8125	108 $\frac{1}{2}$	17.6923	9.4410	64 1664	5.8
8020	4 $\frac{1}{2}$	9.7733	4.3741			8075	7	9.4178	12.5299			8126	36 $\frac{1}{2}$	18.5917	9.3653		
8021	4 $\frac{1}{2}$	12.1613	4.4877			8076	5	9.4568	12.0977			8127	57 $\frac{1}{2}$	20.4788	9.2373	64 1672	8.3
8022	9	2.0655	5.2825			7999	24 $\frac{1}{2}$	2.4650	13.8494			8128	9	20.9793	9.6787		
8023	31 $\frac{1}{2}$	3.6122	5.8277	64 1641	9.1	8077	25 $\frac{1}{2}$	4.8688	13.6827	64 1642	9.5	8129	26 $\frac{1}{2}$	23.2867	9.0559	64 1678	9.3
8024	9	3.3951	5.8498			8078	6	6.7819	13.7111			8130	40 $\frac{1}{2}$	14.0771	10.1399	64 1656	8.5
8025	38 $\frac{1}{2}$	6.2231	5.7577	64 1643	9.1							8131	31 $\frac{1}{2}$	14.3619	10.0722	64 1657	9.3
8026	70 $\frac{1}{2}$	8.0495	5.4187	64 1646	8.0							8132	8	15.4564	10.8660		
8027	8	9.1674	5.7549									8133	34 $\frac{1}{2}$	20.6645	10.4366	64 1673	9.3
8028	13	11.4491	5.7052	64 1651	9.5							8134	12	23.6672	10.5433		
8029	11	11.6823	5.9514									8135	4*	24.3066	10.0643		
8030	6	3.6604	6.4205									8136	20	25.2520	10.3992	64 1680	9.2
8031	13	4.6246	6.3257									8137	7	14.5421	11.5853		
8032	5*	5.5737	6.4222			8079	6*	16.9731	2.7097			8138	40 $\frac{1}{2}$	15.1015	11.0562	64 1660	8.8
8033	5	6.3965	6.6894			8080	24 $\frac{1}{2}$	19.8232	2.4499	63 1854	9.5	8139	4	17.9769	11.5783		
8034	41 $\frac{1}{2}$	6.6541	6.2876	64 1644	8.8	8081	45 $\frac{1}{2}$	20.4579	2.2007	63 1855	9.0	8140	11	18.2898	11.9867		
8035	7	10.5659	6.1983			8082	10	21.8964	2.2446			8141	4*	18.5532	11.1040		
8036	12	11.8624	6.4861	64 1652	9.4	8083	8	24.2524	2.6836	63 1859	9.5	8142	7	18.6448	11.9678		
8037	29 $\frac{1}{2}$	13.2268	6.4259	64 1653	9.0	8084	6	14.2116	3.2735			8143	7	22.4032	11.6396		
8038	4	13.9056	6.7662			8085	9	15.4477	3.4471			8144	43 $\frac{1}{2}$	24.3419	11.4874	64 1679	7.9
8039	7*	3.9718	7.8996			8086	5*	17.2886	3.9035			8145	15	25.1216	11.6752		
8040	10	5.2752	7.1076			8087	5*	20.3543	3.6579			8146	15	14.3783	12.7856		
8041	7	6.3854	7.1242			8088	10	14.8430	4.7227			8147	13	17.5328	12.7888		
8042	22	8.4237	7.5424			8089	28 $\frac{1}{2}$	16.0097	4.0201	63 1846	9.3	8148	4*	18.4268	12.0403		
8043	6	8.8413	7.9333			8090	5	16.2404	4.9748			8149	4	20.6957	12.1251		
8044	7 $\frac{1}{2}$	9.0678	7.9440			8091	5*	16.7900	4.1282			8150	4*	22.7164	12.8428		
8045	5*	9.1753	7.4242			8092	5 $\frac{1}{2}$	16.7999	4.0163			8151	12	25.9394	12.8285		
8046	12	9.6295	7.9467			8093	9	18.1817	4.8410			8152	29 $\frac{1}{2}$	16.3595	13.8892	64 1661	9.0
8047	7	2.4394	8.5474			8094	5	18.1909	4.8954			8153	44 $\frac{1}{2}$	17.6578	13.4528	64 1665	8.5
8048	24	3.2638	8.1604	64 1640	9.3	8095	21	19.6231	4.8738			8154	4	17.7143	13.9566		
8049	21	3.8231	8.1952			8096	8	19.7785	4.1544			8155	32 $\frac{1}{2}$	18.4216	13.0238	64 1668	9.2
8050	16	6.6614	8.2788			8097	7	20.9646	4.3482			8156	4*	18.6436	13.4881		
8051	36 $\frac{1}{2}$	9.6914	8.8452	64 1648	9.2	8098	23 $\frac{1}{2}$	21.9189	4.4229	63 1856	9.5	8157	42 $\frac{1}{2}$	22.8324	13.5190	64 1677	8.9
8052	7	13.9785	8.7710			8099	15	17.6547	5.6319			8158	19	25.1002	13.0993		
7979	16	2.7111	9.8862			8100	16	20.2965	5.8117				36 $\frac{1}{2}$	26.8867	10.0320	64 1684	9.1
8053	9	7.1096	9.7267			8101	4*	20.6859	5.1393				73 $\frac{1}{2}$	26.3484	10.6926	64 1682	7.5
8054	19	7.9088	9.6561			8102	6 $\frac{1}{2}$	20.8174	5.2655								
8055	22 $\frac{1}{2}$	8.3588	9.9138			8103	26	25.9242	5.4878	64 1681	9.4						
8056	5	9.4287	9.4473			8104	17	14.3677	6.6831	64 1658	9.2						
8057	18 $\frac{1}{2}$	13.1694	9.3551			8105	11	14.4358	6.6460								
7982	22 $\frac{1}{2}$	2.2779	10.5843			8106	5	14.6013	6.1855								
8058	4*	5.0919	10.4762			8107	38 $\frac{1}{2}$	14.6436	6.0390	64 1659	8.9						
8059	11	6.3253	10.2477			8108	6	17.3228	6.3634								
8060	4	7.3734	10.5855			8109	17	18.6443	6.6955								
8061	7	10.7937	10.5687			8110	3*	18.8800	6.5780			8159	25	2.4942	2.7392		
8062	14	11.4281	10.5702			8111	31 $\frac{1}{2}$	22.6512	6.0933	64 1675	9.3	8160	11	3.5614	2.2187		
8063	7	5.4497	11.8510			8112	17	22.3061	7.8566			8161	6*	3.7963	2.1885		
8064	20	8.5280	11.6064			8113	13	24.2557	7.9091			8162	56 $\frac{1}{2}$	5.4336	2.8772	63 1868	8.1
8065	24 $\frac{1}{2}$	8.8786	11.7680	64 1647	9.2	8114	7	24.2679	7.6862			8163	25 $\frac{1}{2}$	6.3998	2.3601	63 1870	9.5
8066	62 $\frac{1}{2}$	9.9643	11.5711	64 1649	7.8	8115	6	14.7339	8.1532			8164	7	7.8139	2.7678		
8067	12	10.4835	11.0865			8116	6	16.9956	8.6466			8165	28 $\frac{1}{2}$	8.7834	2.0861	63 1873	9.1
8068	8	10.5835	11.2300			8117	4	17.7794	8.5423			8166	12	9.9611	2.8390		
8069	21	13.5828	11.6233	64 1654	9.2	8118	10	17.9371	8.0182			8167	20 $\frac{1}{2}$	11.0032	2.9837		
7991	9	2.1300	12.6844			8119	24 $\frac{1}{2}$	18.6385	8.1418	64 1669	9.5	8168	8	13.1065	2.8055		
7998	13	2.3134	12.9783			8120	8	18.7423	8.6178			8169	26	3.0270	3.8448	63 1864	9.4
8070	9	3.0000	12.8532			8121	6	19.2006	8.7234			8170	9	4.0674	3.6836		
8071	10	3.5139	12.2580			8122	40 $\frac{1}{2}$	19.3683	8.3509	64 1671	9.0	8171	23 $\frac{1}{2}$	5.0600	3.6406		
8072	19	6.0550	12.7504			8123	5	20.1112	8.0786			8172	12	6.2665	3.4960		
8073	7	7.6530	12.7544			8124	15	15.1917	9.8942			8173	20 $\frac{1}{2}$	9.8494	3.5135	63 1875	9.5

Nos. 8103, 8136, 8145, 8151, and 8158 are measured on plates 2831 and 2835.

1 réseau interval represents very nearly  $5' = 45.6$  of R.A. for  $y = 2$  (Dec. + 64°), and  $= 47.3$  for  $y = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 39 <sup>m</sup> Plate 2835—contd.						R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 39 <sup>m</sup> Plate 2835—contd.						R.A. 22 <sup>h</sup> 39 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> Plate 2835—contd.					
No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	No.	Mag.
8174	7	10°0889	3°0087		m.	8233	39§	3°7817	9°8712	64°1684	9°1	8281	23	23°0424	2°2192		m.
8175	3*	11°8012	3°8928			8234	12	3°9438	9°1730	64°1685	9°5	8282	11†	24°0634	2°5140		
8176	4	12°0732	3°6820			8235	5	4°6340	9°0982			8283	69§	24°8047	2°5354	63 1893	8.6
8177	26	4°5457	4°4904			8236	22§	6°8537	9°6364	64°1688	9°5	8284	5	14°1120	3°4919		
8178	8	4°8410	4°1349			8237	20§	7°8283	9°4046			8285	5	16°7371	3°7501		
8179	25§	8°4147	4°9464	64 1691	9°5	8238	4	8°1522	9°9786			8286	15	18°0758	3°4142		
8180	5	10°8897	4°8236			8239	18	10°1734	9°4449			8287	9	18°4668	3°4549		
8181	6	11°2277	4°2625			8240	23	11°3661	9°9731	64°1697	9°3	8288	17	20°7000	3°7704		
8182	16	11°2290	4°1094			8241	5	12°4574	9°1013			8289	22	21°2310	3°5840		
8183	8	11°7142	4°9269			8242	18§	12°8127	9°7860			8290	20	21°3290	3°5295		
8184	10	11°8097	4°9945			8243	20	13°2031	9°9894			8291	24§	17°4463	4°6125	63 1884	9°5
8185	21§	12°8325	4°6249			8244	8	13°5276	9°4564			8292	4†	17°8026	4°8038		
8186	5	12°8367	4°8067			8245	8	13°8011	9°8231			8293	9	19°5360	4°0967		
8187	5	13°1863	4°8958			8136	23§	2°1840	10°3593	64°1680	9°2	8294	7	22°1661	4°3997		
8103	29	2°5051	5°4113	64 1681	9°4	8246	65§	3°2901	10°5713	64°1682	7°5	8295	19	22°2478	4°6997		
8188	11	2°6342	5°2248			8247	4†	5°4124	10°6913			8296	37	25°7042	4°3975	63 1897	9°5
8189	12	5°5097	5°4503			8248	56§	6°7395	10°8618	64°1687	7°5	8297	8	14°1923	5°8136		
8190	21§	6°9054	5°5036			8249	8	6°7982	10°9262			8298	7	15°7967	5°8316		
8191	5	8°8094	5°9895			8250	18	11°3015	10°5240	64°1696	9°4	8299	17	16°3294	5°6604		
8192	5	8°8257	5°2996			8251	11	11°3482	10°4429			8300	22§	16°4128	5°3379	64 1707	9°4
8193	5	9°0460	5°1690			8252	53§	11°6794	10°8397	64°1698	8°5	8301	24§	18°5922	5°2219	64 1714	9°5
8194	28§	9°7825	5°9461	64 1694	9°2	8253	45§	11°9639	10°2663	64°1699	8°8	8302	38§	19°9987	5°9936	64 1716	8°8
8195	11	10°5348	5°8470			8145	20	2°1392	11°6395			8303	7	22°5071	5°3844		
8196	13	3°5106	6°8888			8254	4†	6°1427	11°6916			8304	7	22°9677	5°2492		
8197	22	5°3839	6°1607			8255	5	6°2751	11°9056			8305	32§	14°8502	6°8370	64 1703	9°2
8198	18	6°8407	6°2401			8256	6	7°4153	11°5296			8306	9	17°0837	6°2979		
8199	5	7°1143	6°4028			8257	21§	8°3829	11°9176	64°1690	9°5	8307	6	18°3591	6°3961		
8200	21§	7°1762	6°9597			8258	10	8°6037	11°9262			8308	6	18°4339	6°8955		
8201	10	7°3195	6°6400			8259	9	10°9707	11°5976			8309	31	24°9515	6°6701	64 1719	9°5
8202	10	7°5845	6°1501			8260	9	12°5645	11°0816			8310	7	24°9968	6°1178		
8203	7	8°5976	6°5988			8261	19	13°1028	11°0151			8311	9	16°2545	7°3251		
8204	7	9°0521	6°7467			8151	16	3°0365	12°7317			8312	6	16°3385	7°2412		
8205	8	9°9459	6°1386			8262	37§	5°2729	12°0667	64°1686	9°4	8313	19§	17°2530	7°5461		
8206	22§	11°3637	6°0401			8263	39§	8°2322	12°3673	64°1689	9°2	8314	8	17°4111	7°3275		
8207	6	11°6821	6°3294			8264	4†	10°8558	12°8616			8315	12	17°6685	7°7384		
8208	5	11°8400	6°5175			8265	4	11°0072	12°2159			8316	11	19°0780	7°2623		
8209	14	13°0020	6°3478			8266	28§	11°0955	12°9765	64°1695	9°4	8317	9	20°2656	7°6240		
8210	61§	13°7292	6°1324	64 1701	6°8	8267	4†	12°8714	12°7877			8318	21	21°5787	7°0744		
8211	30§	13°7350	6°3013			8158	21	2°2214	13°0587			8319	6	21°9175	7°2176		
8212	5	3°7614	7°7151			8268	13	4°4499	13°9490			8320	28§	22°2159	7°9557	64 1718	9°5
8213	10	5°2483	7°4982			8269	5	5°3777	13°0575			8321	13	25°4253	7°5635		
8214	5*	8°6198	7°6077			8270	9	8°4745	13°5169			8322	5	16°5014	8°2180		
8215	20§	9°8562	7°8251			8271	37§	8°8855	13°4416	64°1692	9°2	8323	6	18°0176	8°6431		
8216	5	10°1685	7°2242			8272	7	9°9037	13°1645			8324	9	18°0660	8°5164		
8217	20§	10°9530	7°1608			8273	8	10°6052	13°6946			8325	6	18°1326	8°4146		
8218	12	11°1015	7°0065			8274	5	11°4924	13°0353			8326	9	18°2278	8°6021		
8219	4	11°3104	7°1551			8275	12	11°9195	13°9398			8327	4	19°3113	8°3410		
8220	7	12°3088	7°2929			8276	4	12°1804	13°0595			8328	81§	20°8273	8°4567	64 1717	7°0
8221	13	5°6914	8°1369									8329	6	23°8825	8°6332		
8222	6	6°7672	8°4047									8330	6	24°0156	8°8457		
8223	5†	7°7018	8°9545									8331	7	25°8561	8°6206		
8224	5	7°7383	8°1026			R.A. 22 <sup>h</sup> 39 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> Centre R.A. 22 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 2835. 1895, Sept. 10.						8332	17	16°2287	9°3162		
8225	13	8°5000	8°8810									8333	9	19°5346	9°5155		
8226	4	8°5231	8°6232									8334	12	20°9357	9°2153		
8227	6	8°7623	8°5323									8335	4	22°6394	9°1139		
8228	12	8°9371	8°5629									8336	21§	23°0458	9°6224		
8229	4	11°1506	8°4068			8277	21	14°5297	2°6337			8337	16	23°6541	9°7160		
8230	30§	12°7038	8°8797	64 1700	9°3	8278	59§	16°0282	2°6102	63 1882	7°8	8338	25	24°5085	9°0241		
8231	20	3°0216	9°3471			8279	6	18°1401	2°6233			8339	5	14°5224	10°1715		
8232	5	3°5809	9°0109			8280	17	20°2124	2°4330								

Nos. 8296 and 8321 are measured on plates 2835 and 1613.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $y=2$  (Dec. + 64°), and = 47°.3 for  $y=14$  (Dec. + 65°).



## ZONE + 64°

R.A. 22 <sup>h</sup> 39 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> Plate 2835—contd.						R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup> Plate 1613—contd.						R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup> Plate 1613—contd.					
No.		Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.		Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.		Diam.	$\alpha$ .	$\gamma$ .	B. D.
					No. Mag.						No. Mag.						No. Mag.
8340	8	14°9634	10°5988	°	m.	8389	29	7°0309	3°2752	63°1906	9°5	8445	8	11°7667	12°2656	°	m.
8341	4	15°0739	10°3740			8390	8	8°5405	3°2206			8446	15	11°8985	12°2937		
8342	10	16°2023	10°6482			8396	19	2°1679	4°3081	63°1897	9°5	8447	258	6°9333	13°0783	64°1730	9°2
8343	5	16°3170	10°4931			8391	17	3°8353	4°9332			8448	16	9°1817	13°5382	64°1734	9°5
8344	6	17°3575	10°8013			8392	8	9°2055	4°8202			8449	4†	11°5543	13°3033		
8345	278	18°0560	10°9684	64°1711	9°2	8393	3†	11°5880	4°0898			8450	4*	11°6009	13°9445		
8346	218	18°3964	10°0109	64°1712	9°3	8394	4†	8°2057	5°0500			8451	198	12°3262	13°1266		
8347	5	21°7733	10°5434			8395	10	8°2124	5°0404								
8348	18	23°3260	10°3427			8396	16	8°2684	5°0133	64°1733	9°5		398	8°2720	1°1277	63°1907	9°0
8349	308	24°9892	10°9265	64°1720	9°5	8397	9	10°9849	5°8440				818	1°1310	2°5119	63°1893	8°6
8350	3	14°5131	11°3112			8398	8	11°2738	5°2967			R.A. 22 <sup>h</sup> 57 <sup>m</sup> to 23 <sup>h</sup> 6 <sup>m</sup> Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 1613. 1893, Nov. 22.					
8351	8	14°7019	11°5926			8399	4†	11°7687	5°1494			8452	13†	24°1649	1°9856	°	m.
8352	1008	14°7401	11°7017	64°1704	6°5	8400	248	4°2342	6°7734	64°1725	9°5	8453	19	16°7018	2°7547	63°1921	9°5
8353	378	15°9331	11°9297			8401	258	5°4339	6°7214	64°1728	9°4	8454	15	17°9037	2°6259		
8354	4	15°9656	11°2371			8402	9	5°6199	6°6061			8455	11	22°2445	2°7099		
8355	228	16°0224	11°9967	64°1706	9°1	8403	168	8°1132	6°7849	64°1732	9°5	8456	12*	24°7131	2°5649	63°1937	9°5
8356	628	18°4743	11°2161	64°1713	7°3	8404	14	9°1906	6°4263			8457	9*	24°7483	2°6045		
8357	3	20°4403	11°0520			8405	16	9°6628	6°0923			8458	29	25°1781	2°8433	63°1939	9°2
8358	18	21°2021	11°4182			8406	15	11°2309	6°3562	64°1739	9°3	8459	9	14°5473	3°0841		
8359	5	23°7407	11°9820			8407	19	11°2389	6°3656			8460	16	16°4382	3°3038	63°1919	9°5
8360	348	25°8475	11°5967	64°1721	9°4	8408	6	11°3686	6°6045			8461	10*	23°8944	3°4146	63°1935	9°3
8361	18	14°8143	12°3128			8409	4*	12°2481	6°4006			8462	508	24°1274	3°1460	63°1936	9°0
8362	9	16°3683	12°9296			8321	6*	2°1135	7°4841			8463	38	25°6154	3°9134	63°1940	9°5
8363	368	16°5278	12°1943	64°1708	9°4	8410	6	7°9302	7°2526			8464	13	16°5502	4°5254		
8364	3	17°5535	12°7699			8411	12	8°2334	7°5298			8465	448	17°5198	4°5865	63°1923	8°6
8365	4	17°5769	12°9797			8412	16	8°6518	7°9147			8466	8	17°7308	4°3564		
8366	20	14°3214	12°7581			8413	238	9°0497	7°4915	64°1736	9°4	8467	7	18°7063	4°2826		
8367	19	19°0336	12°2452			8414	228	10°7936	7°8697	64°1738	9°4	8468	8	18°8481	4°7102		
8368	5	19°7829	12°1018			8415	7*	3°0502	8°5929			8469	528	23°3254	4°4268	63°1932	9°2
8369	2	20°0141	12°1920			8416	24	4°3248	8°6047	64°1726	9°5	8470	12	24°1453	4°9446		
8370	6	20°9516	12°0360			8417	4	4°5444	8°3118			8471	7	19°7422	5°4847		
8371	4	21°1564	12°2336			8418	15	6°5730	8°5246			8472	8	20°2244	5°0679		
8372	238	21°5756	12°4504			8419	6†	6°8576	8°7942			8473	278	20°2672	5°1603	64°1752	8°8
8373	13	23°4158	12°1294			8420	7	9°5684	8°2361			8474	438	20°9425	5°9730	64°1753	8°5
8374	2	24°0281	12°8581			8421	188	12°0298	8°6055			8475	10	21°0753	5°4083		
8375	10	24°3607	12°7397			8422	10	12°1802	8°9856			8476	13	23°4748	5°0098	63°1933	9°3
8376	12	24°6859	12°1000			8423	238	3°4741	9°8134	64°1723	9°0	8477	688	24°1750	5°7772	64°1760	8°5
8377	4	25°2627	12°8424			8424	13	5°7439	9°4117			8478	16	16°6728	6°6549		
8378	218	16°8178	13°6847			8425	9	7°5855	9°5828			8479	18	17°5974	6°5859		
8379	3	16°8694	13°6779			8426	10	8°0608	9°4237			8480	5	17°8443	6°3555		
8380	11	17°2743	13°2557			8427	10	8°1595	9°0365	64°1731	9°5	8481	5*	22°3688	6°5855		
8381	3	18°5649	13°1207			8428	14	8°6329	9°9643			8482	14	22°6745	6°0368		
8382	4	21°0341	13°1957			8429	168	12°3906	9°3363			8483	11	23°6105	6°5395		
8383	13	21°6947	13°7919			8430	3†	13°1501	9°8133			8484	26	24°4444	6°5911	64°1762	9°2
8384	4	24°4408	13°4147			8431	7	8°9896	10°6785			8485	578	25°1679	6°3949	64°1765	9°0
8385	3	24°4839	13°8538			8432	208	12°5284	10°0348	64°1740	9°5	8486	398	25°9220	6°6334	64°1767	9°4
	348	26°6180	9°9860	64°1723	9°0	8360	268	2°8211	11°4770	64°1721	9°4	8487	20	15°3491	7°3158		
	488	26°4818	11°8532	64°1722	9°0	8433	338	3°4692	11°6857	64°1722	9°0	8488	5	15°4690	7°4948		
						8434	4*	7°1271	11°5915			8489	6	19°5292	7°9033		
						8435	9	7°6597	11°7938			8490	15	20°6769	7°0627		
						8436	4†	8°1060	11°4643			8491	18	24°3992	7°3998		
						8437	13	9°5231	11°1140	64°1735	9°2	8492	23	24°4952	7°9394		
						8438	18	10°8990	11°6489			8493	358	25°4563	7°4663	64°1766	9°4
						8439	20	11°6579	11°3413								
						8440	218	12°5476	11°6634								
						8441	238	12°6050	11°8014	64°1741	9°5						
						8442	11	13°0011	11°9691								
						8443	428	5°6842	12°1838	64°1729	8°6						
						8444	9	9°0451	12°8430								
R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup> Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 1613. 1893, Nov. 22.																	
8386	22	5°9223	2°6949	°	m.												
8387	23	6°8146	2°5777														
8388	9	5°2870	3°4522	63°1902	9°5												

No. 8360 is measured on plates 2835 and 1613.

Nos. 8463, 8486 and 8493 are measured on plates 1613 and 2834.

1 réseau interval represents very nearly 5' = 45°6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°3 for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 22 <sup>h</sup> 57 <sup>m</sup> to 23 <sup>h</sup> 6 <sup>m</sup> Plate 1613—contd.						R.A. 23 <sup>h</sup> 6 <sup>m</sup> to 23 <sup>h</sup> 15 <sup>m</sup> Plate 2834—contd.						R.A. 23 <sup>h</sup> 6 <sup>m</sup> to 23 <sup>h</sup> 15 <sup>m</sup> Plate 2834—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
8494	12	15°6066	8°0931	°	m.	8542	10	3°5018	3°3491	°	m.	8599	12	10°5462	12°2021	°	m.
8495	5*	16°6488	8°0810			8543	7	9°7574	3°9927			8600	42§	13°2892	12°1723	64 1784	9'3
8496	7	17°7359	8°4660			8544	18	11°2509	3°9352			8532	6	2°9222	13°0570		
8497	5*	23°1183	8°5999			8545	11	12°9284	3°7430			8601	26	7°8979	13°8247		
8498	13	23°1868	8°9048			8546	20	13°7851	3°5972			8602	18	8°5137	13°7565		
8499	18	25°0853	8°8123			8547	27§	4°3393	4°3949	63 1945	9'4	8603	11	8°8411	13°1332		
8500	15	25°1204	8°3809			8548	80§	4°8062	4°1360	63 1949	7'0	8604	6	10°7022	13°2858		
8501	23§	14°3189	9°0857	64 1744	9'3	8549	30§	9°4661	4°4586	63 1956	9'4	8605	5	10°8247	13°3872		
8502	7	15°8361	9°6446			8550	20	9°7791	4°0434			8606	5†	12°7429	13°7643		
8503	33§	18°2461	9°9056	64 1748	8'9	8551	27	9°8536	4°1840	63 1959	9'5		90§	2°6333	1°9491	63 1941	6'8
8504	36§	19°5989	9°0957	64 1751	8'9	8552	9	10°2490	4°6854				38§	1°5752	2°8067	63 1939	9'2
8505	9	19°9157	9°4197			8553	44§	12°1223	4°3975	63 1965	8'5		55§	1°8109	6°3506	64 1765	9'0
8506	20	21°8939	9°0717	64 1756	9'4	8554	6	3°7766	5°8106				60§	1°1902	9°9593	64 1761	8'8
8507	55§	24°2920	9°9496	64 1761	8'8	8555	81§	5°5164	5°1164	64 1773	7'0		97§	1°5134	10°1656	64 1764	6'8
8508	15	24°9824	9°5286			8556	6	5°6811	5°9591				37§	1°5235	10°3733		
8509	7	17°1114	10°5555			8557	30§	5°6844	5°6963				43§	1°5158	11°8626	64 1763	9'1
8510	7†	17°5782	10°7562			8558	8	6°6870	5°6281			R.A. 23 <sup>h</sup> 15 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2834. 1895, Sept. 9.					
8511	13	17°9055	10°3912			8559	7	6°9118	5°0716			8607	21	14°3770	2°8056	°	m.
8512	9	19°2784	10°4124	64 1750	9'5	8560	20§	7°9441	5°6056			8608	17	15°5049	2°0934		
8513	9	21°7413	10°5794			8561	57§	9°8867	5°1052	64 1781	8'2	8609	7	15°8601	2°7532		
8514	32	24°5943	10°3856			8562	12	12°3581	5°1737			8610	37§	17°2702	2°3212		
8515	94§	24°5995	10°1787	64 1764	6'8	8563	17	13°9059	5°7352			8611	16	19°4440	2°7846		
8516	6	24°9760	10°2773			8564	40§	2°5810	6°5368	64 1767	9'4	8612	6	21°0034	2°2227		
8517	12	16°9559	11°4377			8565	7†	3°4331	6°7140			8613	59§	21°5655	2°1037	63 1989	8'3
8518	6	18°5879	11°4150			8566	22	3°5533	6°9821			8614	46§	23°7976	2°8977	63 1994	9'0
8519	10	21°5491	11°8346			8567	22§	6°4580	6°3327	64 1775	9'5	8615	7	23°9807	2°2466		
8520	31§	21°6884	11°4563	64 1755	9'3	8568	26§	8°3504	6°4610	64 1778	9'3	8616	68§	24°0618	2°7893	63 1996	8'3
8521	19	22°8676	11°7793			8569	17	8°5131	6°1556			8617	7	15°2191	3°3618		
8522	6	23°4308	11°5305			8570	4†	10°9803	6°7033			8618	13	15°3167	3°1221	63 1972	9'5
8523	37§	24°4797	11°8743	64 1763	9'1	8571	5*	11°8871	6°1822			8619	31§	18°7786	3°6939	63 1981	9'5
8524	3*	17°0474	12°8256			8572	4	13°0486	6°5663			8620	8	19°0439	3°1924		
8525	25§	18°7044	12°0838	64 1749	9'3	8573	38§	2°1754	7°3999	64 1766	9'4	8621	20	19°7555	3°5312	63 1984	9'3
8526	6	23°7829	12°0426			8574	24	4°8692	7°4520	64 1771	9'5	8622	20	20°0880	3°2638		
8527	4*	19°3749	13°8895			8575	62§	8°9297	7°5618	64 1780	7'2	8623	30§	22°3191	3°6566	63 1991	9'5
8528	15	19°5940	13°8573			8576	19	9°0486	7°6534			8624	22	23°5423	3°1862		
8529	13	20°1012	13°9678			8577	27§	11°4141	7°9993			8625	21	24°8624	3°3199		
8530	14	22°3606	13°1474			8578	22§	13°3128	7°2516	64 1785	9'5	8626	20	25°6738	3°6194		
8531	5*	24°2653	13°2163			8579	5†	7°2548	8°0458			8627	6	14°1781	4°9370		
8532	4*	25°7984	13°1668			8580	7	7°6016	8°2223			8628	10	14°4757	4°9170		
	110§	26°3005	2°0590	63 1941	6'8	8581	5	10°2795	8°4566			8629	10	16°3990	4°4820		
	66	26°9525	3°3544	63 1943	8'9	8582	29§	10°8315	8°1687			8630	78§	16°5675	4°2635	63 1974	7'0
R.A. 23 <sup>h</sup> 6 <sup>m</sup> to 23 <sup>h</sup> 15 <sup>m</sup> Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2384. 1895, Sept. 9.						8583	10	3°9459	9°5352			8631	7	18°9759	4°3523		
8533	19	12°3488	1°9891	°	m.	8584	4†	4°1917	9°8140			8632	11	20°1909	4°8921		
8534	11	5°9981	2°8289			8585	6	6°8183	9°1793			8633	4*	21°2176	4°8144		
8535	47§	6°6022	2°0194	63 1952	9'1	8586	26	11°4560	9°0720			8634	8	23°7032	4°9672		
8536	20	9°2584	2°5433			8587	19	13°2660	9°4457			8635	42§	24°5968	4°1053	63 1997	9'5
8537	10	11°4991	2°5068			8588	11	13°8923	9°3704			8636	22	25°8044	4°2451	63 2000	9'5
8538	5	11°6701	2°3547			8589	6†	5°2311	10°9676	64 1774	9'5	8637	17	25°8045	4°7560		
8539	11	12°3354	2°6374			8590	29§	5°9879	10°5598			8638	72§	15°0831	5°5544	64 1787	7'3
8540	19	12°9337	2°7387			8591	5	8°3642	10°5451			8639	39§	15°6151	5°1344	64 1789	9'1
8463	42§	2°0799	3°8419	63 1940	9'5	8592	4	12°1357	10°1374			8640	8	18°7816	5°1865		
8541	59§	3°3735	3°1917	63 1943	8'9	8593	17	3°3555	11°9473	64 1769	9'5	8641	19	20°1768	5°3163		
						8594	34§	4°4579	11°9883								
						8595	4†	4°5226	11°4622								
						8596	13	7°1932	11°9243								
						8597	24§	12°3003	11°0745								
						8598	7	8°1292	12°9611	64 1779	6'5						
							80§	8°6728	12°5450								
							23	9°6873	12°7622								

No. 8532 is measured on plates 1613, 2834.

The star on plate 2834 whose co-ordinates are 1°5235 and 10°3733, is not given in the B.D. but is No. 13792 in the Helsingfors Catalogue. Mag. 9'4.

Nos. 8626, 8636 and 8637 are measured on plates 2834 and 2902.

1 réseau interval represents very nearly  $5' = 45^{\circ}.6$  of R.A. for  $\gamma = 2$  (Dec. + 64°), and =  $47^{\circ}.3$  for  $\gamma = 14$  (Dec. + 65°).



## ZONE + 64°.

R.A. 23 <sup>h</sup> 15 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> Plate 2834—contd.						R.A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 33 <sup>m</sup> Centre R.A. 23 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2902. 1895, Oct. 1.						R.A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 33 <sup>m</sup> Plate 2902—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
8642	6	23°3660	5°8837	°	m.	8700	22	3°2282	2°5220	63°2002	9°4	8753	4	10°5258	9°0237	°	m.
8643	23	23°9475	5°7875			8701	6	9°6731	2°3452			8754	238	11°2813	9°2220	64 1828	9°5
8644	5	15°8946	6°8074			8702	12	13°8672	2°9840			8755	248	12°1903	9°5609	64 1829	8°8
8645	12	18°7342	6°7241			8626	14	2°1372	3°5882			8756	5	12°4923	9°1473		
8646	13	18°9186	6°5460			8703	12	3°5977	3°1845			8757	208	13°5839	9°1486	64 1830	9°4
8647	268	22°0511	6°0558			8704	11	5°1879	3°4242	63 2005	9°5	8758	7	5°2163	10°6457		
8648	4	14°7558	7°5673			8705	14	5°9935	3°8177			8759	5†	5°6370	10°0130		
8649	408	15°7890	7°4013	64 1790	9°0	8706	9	13°3090	3°3882			8760	11	8°4610	10°9369	64 1822	9°5
8650	4	19°1467	7°5752			8707	18	13°5031	3°9224	63 2023	9°5	8761	11	8°8207	10°1007		
8651	6	20°8222	7°6032			8708	14	2°0007	4°6499			8762	3†	10°9669	10°5924		
8652	248	21°2968	7°2929	64 1804	9°5	8636	14	2°3151	4°2018	63 2000	9°5	8763	4	12°7877	10°1830		
8653	8	14°1285	8°8399			8637	10	2°3500	4°7154			8764	7	3°6143	11°3577		
8654	11	18°3539	8°8615			8709	22	4°1169	4°5045			8765	5	3°9625	11°3117		
8655	288	19°6512	8°6834	64 1797	9°4	8710	3*	4°9411	4°2538			8766	17	4°8110	11°9317	64 1813	9°5
8656	4†	20°9577	8°4650			8711	6*	5°0397	4°7535			8767	4	5°3365	11°8394		
8657	18	21°1092	8°2555	64 1803	9°5	8712	5†	8°4066	4°9279			8768	5	5°6113	11°8580		
8658	4	22°9207	8°2865			8713	16	10°6908	4°2799			8769	5	7°4773	11°5673		
8659	7	23°5015	8°1835			8714	4	11°3212	4°5050			8770	198	7°8221	11°9353		
8660	20	16°1536	9°9621	64 1792	9°5	8715	188	11°4002	4°3951	63 2019	9°5	8771	5	8°2711	11°2962		
8661	328	18°0331	9°7851			8716	7	13°8314	4°0200			8772	6	13°0059	11°5325		
8662	19	18°7633	9°3865	64 1795	9°5	8717	16	3°4936	5°4099			8690	15	2°8753	12°1264		
8663	8	19°2739	9°1610			8718	7	3°6732	5°2571			8691	16	3°0403	12°2832		
8664	7	19°6730	9°3395			8719	15	7°6860	5°9877			8773	5	3°5379	12°9774		
8665	258	20°7644	9°5463	64 1802	9°5	8720	238	7°6864	5°6865	64 1820	9°2	8774	4	5°8410	12°8841		
8666	9	20°8986	9°4721			8721	6	9°4507	5°2140			8775	10	5°9482	12°6471		
8667	328	23°0663	9°6336	64 1807	9°5	8722	18	10°2681	5°2091			8776	6	7°7491	12°9139		
8668	7*	25°3536	9°9486			8723	16	12°0012	5°2085			8777	5	3°5887	13°7793		
8669	11	25°3595	9°8818			8724	7	6°2424	6°2969			8778	11	5°4978	13°3054		
8670	9	25°4848	9°8215			8725	6	7°5209	6°4916			8779	5	6°3148	13°1504		
8671	6†	14°0570	10°0578			8726	7	7°9606	6°3058			8780	5	6°4452	13°8690		
8672	22	15°9859	10°8171	64 1791	9°5	8727	198	9°2143	6°8815	64 1826	9°4	8781	3	7°0350	13°7611		
8673	9	18°3206	10°9979			8728	4*	9°4880	6°2949			8782	198	8°1169	13°8997	64 1821	9°5
8674	11	22°1981	10°3907			8729	14	12°8058	6°6078			8783	228	9°7200	13°8026	64 1827	9°0
8675	16	23°3053	10°2877			8730	17	3°6555	7°0290			8784	5	11°1838	13°7377		
8676	15	24°8617	10°9422			8731	6	4°3927	7°9843								
8677	10	14°8241	11°3671			8732	6	4°9007	7°4853				318	13°0353	1°7839	63 2022	8°0
8678	588	15°4008	11°4027	64 1788	9°0	8733	7	6°2398	7°7222				438	1°9200	11°9451	64 1811	8°7
8679	21	19°4749	11°2804			8734	10	8°6855	7°7986								
8680	9	19°6862	11°0946			8735	4	9°6568	7°2703								
8681	828	19°8330	11°5499	64 1799	6°8	8736	4†	9°9200	7°1675								
8682	10	21°2343	11°2614			8737	4†	11°1809	7°9655								
8683	20	22°9096	11°7979	64 1806	9°5	8738	5	12°1657	7°1293								
8684	22	24°1773	11°9912			8739	328	4°6122	8°1110	64 1815	8°3						
8685	568	24°8653	11°9438	64 1811	8°7	8740	258	5°1523	8°2785	64 1817	8°3						
8686	5	17°6049	12°3352			8741	8	6°9159	8°7392			8785	6	15°2217	2°2778	°	m.
8687	16	19°1305	12°8653			8742	4	7°0462	8°1682			8786	248	16°1184	2°6901	63 2028	9°5
8688	5	23°0594	12°2468			8743	7	9°3476	8°2671			8787	11	17°4045	2°0382		
8689	17	23°9509	12°5503			8744	4†	10°9429	8°8430			8788	5†	20°1162	2°0959		
8690	18	25°8048	12°1797			8668	6†	2°2664	9°9231			8789	298	20°4844	2°4101	63 2039	9°2
8691	14	25°9616	12°3599			8669	10	2°2671	9°8549			8790	5†	21°4126	2°0895		
8692	338	17°5876	13°5398	64 1794	8°0	8670	9	2°3892	9°7856			8791	22	23°2176	2°4449	63 2044	8°9
8693	478	18°8892	13°3518	64 1796	8°0	8745	5†	3°0887	9°5324			8792	448	23°4569	2°0839	63 2046	9°0
8694	388	20°3322	13°3616	64 1800	9°0	8746	9	3°4136	9°8735			8793	5†	23°4672	2°3948		
8695	268	20°5240	13°7140	64 1801	9°0	8747	6	4°0225	9°8854			8794	9	23°6197	2°6540		
8696	4†	22°9242	13°2761			8748	218	5°1295	9°1677	64 1816	8°3	8795	278	15°9900	3°2448		
8697	29	23°2414	13°7064	64 1808	9°1	8749	5	5°1680	9°7392			8796	16	16°6642	3°1017	63 2029	9°5
8698	22	23°7872	13°9558	64 1809	9°5	8750	5	5°8864	9°1356			8797	8	17°2373	3°8666		
8699	11	23°9839	13°9583			8751	4	8°6386	9°1606			8798	19*	18°9414	3°5502	63 2034	9°2
						8752	368	9°1666	9°8392	64 1825	8°5	8799	378	19°8986	3°3378	63 2036	9°1
	738	17°6812	1°6187	63 1978	7°5												

Nos. 8668, 8669, 8670, 8690 and 8691 are measured on plates 2834 and 2902.

Plate 2902. It is doubtful whether B. D. 63°, 2028 should be identified with 8786 or 8795.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°.3 for  $\gamma = 14$  (Dec. + 65°).

## ZONE + 64°.

R.A. 23 <sup>h</sup> 33 <sup>m</sup> to 23 <sup>h</sup> 42 <sup>m</sup>						R.A. 23 <sup>h</sup> 33 <sup>m</sup> to 23 <sup>h</sup> 42 <sup>m</sup>						R.A. 23 <sup>h</sup> 42 <sup>m</sup> to 23 <sup>h</sup> 51 <sup>m</sup>					
Plate 2902—contd.						Plate 2902—contd.						Plate 1656—contd.					
No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
				No.	Mag.					No.	Mag.					No.	Mag.
8800	6	20°1863	3°9496			8859	7	14°5375	12°1049			8906	4*	11°4244	13°8142		
8801	17	24°2586	3°1648			8860	34§	14°6211	12°5457	64 1835	8.2	8907	8	12°6349	13°6839		
8802	9	14°6503	4°8838			8861	8	18°7581	12°9192			8908	5*	13°4458	13°1944		
8803	11	14°6591	4°5041	63 2025	9.5	8862	9	20°5171	12°9613			R.A. 23 <sup>h</sup> 51 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup>					
8804	6	14°8871	4°1803			8863	8	16°4394	13°4963			Centre R.A. 23 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°					
8805	20	20°7173	4°6408			8864	14	17°6995	13°8350			Plate 1656. 1893, Dec. 2.					
8806	4*	22°0986	4°3074			8865	21§	20°1149	13°6353			8909	13	17°0926	2°8992		
8807	46§	25°8725	4°1180	63 2052	8.7	8866	9	20°3879	13°0917	64 1844	9.5	8910	41	18°6065	2°9505	63 2086	8.0
8808	10	25°8819	4°4127	63 2053	9.4	8867	15	21°0487	13°2077	64 1851	9.5	8911	44	18°8247	2°4344	63 2087	9.1
8809	41§	16°9462	5°2766	64 1836	7.5	8868	21§	24°1255	13°5536			8912	22	19°9033	2°7427	63 2091	9.5
8810	12	17°4012	5°8529	64 1837	9.5							8913	13	20°7038	2°9069		
8811	7	17°5641	5°5620				41§	19°7611	1°5372	63 2035	9.0	8914	35	21°2776	2°9338	63 2093	9.1
8812	11	23°5654	5°6263				49§	20°2344	1°5810	63 2038	6.0	8915	35	21°5875	2°9566		
8813	4†	24°7429	5°0364			R.A. 23 <sup>h</sup> 42 <sup>m</sup> to 23 <sup>h</sup> 51 <sup>m</sup>						8916	34	22°8893	3°3823	63 2096	9.5
8814	24	24°7872	5°3357	64 1853	9.4	Centre R.A. 23 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°						8917	8*	24°5473	3°8613	63 2101	9.3
8815	7	25°4934	5°7190			Plate 1656. 1893, Dec. 2.						8918	28	24°6145	3°5015	63 2102	9.5
8816	3†	15°6522	6°9459			8869	6	4°4151	2°7756	63 2056	9.2	8919	22	17°3838	4°1361		
8817	16	16°8034	6°1731			8870	38	5°0193	2°2548	63 2058	9.3	8920	10†	17°4354	4°1376		
8818	5	17°4916	6°1060			8871	37	9°0647	2°7575	63 2066	9.4	8921	35	17°9829	4°5121	63 2083	9.2
8819	7	17°4965	6°0816			8872	18	6°8494	3°3024	63 2061	9.0	8922	12†	22°2367	4°8137		
8820	6	19°3843	6°3546			8873	27	6°9846	3°5103			5	76§	25°5254	4°9668	63 2103	7.7
8821	24§	21°3895	6°2853	64 1845	8.5	8874	44§	2°2701	4°0836	63 2052	8.7	8923	10†	18°6284	5°1728		
8822	25§	21°8322	6°0910	64 1847	9.1	8875	4	2°3010	4°3742	63 2053	9.4	8924	7	17°8770	6°0456		
8823	20§	21°9537	6°8907			8876	22	11°0151	4°5595	63 2072	9.5	8925	52§	18°0888	6°0791	64 1883	8.0
8824	15	22°5820	6°5713	64 1849	8.9	8877	98§	4°7066	5°9760	64 1861	6.5	8926	20§	18°2003	6°0360		
8825	8*	24°9393	6°3504			8878	23	11°2493	5°4376	64 1870	9.3	8927	24	23°7794	6°4839	64 1890	9.5
8826	33§	25°2830	6°5418	64 1855	9.5	8879	54§	4°6894	6°1384	64 1860	8.5	8928	11	25°3563	6°9301		
8827	7	14°6702	7°0849			8880	19	7°8824	6°1490			8929	41§	14°1779	7°1355	64 1877	7.5
8828	7	19°2820	7°7350			8881	17	12°6874	6°4171			8930	14	18°4420	7°6283		
8829	4	23°2989	7°1615			8882	18	6°4758	7°7280			8931	21	20°6542	7°3832	64 1886	9.5
8830	12	14°1391	8°8842	64 1832	9.4	8883	26	7°2539	7°7644	64 1863	9.3	8932	15	22°7218	7°7411		
8831	6	14°8876	8°5549			8884	9	8°2375	7°5748			8933	8	20°1695	8°2432		
8832	5	15°0324	8°8113			8885	8	9°3269	7°8052			8934	22	20°5622	8°9784	64 1885	9.5
8833	39§	18°6606	8°7767	64 1838	7.0	8886	29§	11°6891	7°7088	64 1873	9.1	8935	12	21°0212	8°5541		
8834	23§	19°1965	8°8839	64 1841	9.3	8887	35	2°6840	8°3567	64 1857	9.3	8936	15	14°3994	9°1934	64 1878	9.4
8835	6	20°2720	8°5127			8888	36§	4°8138	8°6801	64 1859	9.2	8937	11	16°1118	9°8040		
8836	14	22°4722	8°1523	64 1848	9.3	8889	5	11°6575	8°5095			8938	49§	24°1362	9°3408	64 1891	8.9
8837	6	24°4779	8°1619			8890	9	4°4808	9°2136			8939	49§	24°4952	9°3934	64 1893	6.9
8838	34§	25°9868	8°4101	64 1857	9.3	8891	40§	9°9723	9°7461	64 1868	8.8	8940	9*	25°3988	9°0510		
8839	7	20°8232	9°3628			8892	6	5°7296	10°7234			8941	10	14°4467	10°9817		
8840	20§	21°5173	9°7962			8893	23	6°0493	10°6192			8942	6†	19°5296	10°0670		
8841	10	25°4184	9°3016			8894	25	7°2034	10°3959	64 1864	9.3	8943	6†	21°2416	10°6544		
8842	5	14°5352	10°0457			8895	21	7°4139	10°5347			8944	25	22°9788	10°6875	64 1888	9.3
8843	7	14°5602	10°5115			8896	19	8°0516	10°5816			8945	15	14°6816	11°0419	64 1879	9.5
8844	5	16°4078	10°9948			8897	18	8°3361	10°1873			8946	19	15°9663	11°0110	64 1881	9.0
8845	19§	18°7598	10°6930	64 1840	9.5	8898	11	9°3639	10°5724			8947	20	17°3908	11°8065		
8846	8	19°0111	10°5910			8899	37§	9°5396	10°6030	64 1867	8.9	8948	33§	18°4800	11°4891	64 1884	9.0
8847	8	19°6216	10°0020			8900	10	11°8303	10°5450			8949	14	19°2994	11°9554		
8848	2*	22°1122	10°3925			8901	25§	11°0271	11°4372	64 1869	9.3	8950	64§	21°3233	12°9153	64 1887	7.5
8849	10	14°0933	11°2815			8902	8	12°2189	11°9993			28	66§	25°2652	12°6876	64 1894	7.2
8850	19§	14°2020	11°4626	64 1833	9.0	8903	12	7°1327	12°3890			8951	20§	15°0664	13°6299	64 1880	9.5
8851	21§	14°3817	11°0313	64 1834	9.4	8904	15	8°1495	12°4045			8952	16	17°1634	13°7922		
8852	7	16°4828	11°8257			8905	10	12°6644	12°7393			8953	6	17°8838	13°1275		
8853	3†	16°7582	11°5052									8954	5†	21°7281	13°6946		
8854	10	16°9084	11°0754														
8855	19§	17°7553	11°6932														
8856	20§	18°8318	11°5830	64 1839	9.3												
8857	8	19°9559	11°0965														
8858	21§	24°5873	11°6526	64 1852	9.3												

Nos. 8807, 8808, and 8838 are measured on plates 2902 and 1656.

Plate 1656. B. D. 64°, 1895 is not shown on this plate nor on plate 2376. It is shown on Chart Plates 1655 and 2945 taken respectively on 1893 Dec. 2, and 1895 Nov. 14, and appears fainter than 9.5 mag.

Nos. 5 and 28 are measured on plates 1656 and 2376.

1 réseau interval represents very nearly 5' = 45°.6 of R.A. for  $\gamma = 2$  (Dec. + 64°), and = 47°.3 for  $\gamma = 14$  (Dec. + 65°).



ZONE + 65°.

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 0 <sup>h</sup> 9 <sup>m</sup> to 0 <sup>h</sup> 18 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 18 <sup>m</sup> to 0 <sup>h</sup> 27 <sup>m</sup> —contd.							
Centre R.A. 0 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 2376. 1894, Nov. 21.				R.A. 0 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2867. 1895, Sept. 20.				Centre R.A. 0 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 2287. 1894, Oct. 15.				R.A. 0 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2867. 1895, Sept. 20.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
85				12	5°10'34	7°28'92		131	28§	11°79'98	15°36'54	22†	23°28'38	3°52'92	
86				18	5°15'14	7°40'63		132	12	13°05'25	15°71'67				
87				12	8°11'50	7°50'52		133	14	13°46'08	15°21'34				
88				14	9°22'26	7°40'21		134	30§	3°52'66	16°70'51	22	14°96'66	4°57'65	64 40 9.5
89	26	22°02'48	19°41'36	34§	10°82'18	7°27'27	65 35 9.1	135	16	6°22'32	16°46'85	16	17°66'55	4°43'07	
90	28	14°78'27	20°64'16	36§	3°63'80	8°80'03	65 25 8.7	136	12	6°28'49	16°72'99				
91				12	5°65'88	8°77'66		137	12	9°24'38	16°55'71	8*	20°68'38	4°62'63	
92				12	8°39'92	8°34'79		138	46§	4°04'76	17°11'46	42§	15°47'50	5°00'16	65 50 8.3
93				12	8°56'17	8°54'53		139	12	5°08'35	17°69'35	12†	16°48'72	5°61'72	
94				12	10°34'44	8°32'12		140	24§	5°87'31	17°47'02	18	17°28'40	5°42'14	
95				14	13°43'44	8°92'68	65 46 9.5	141	14	10°25'52	17°80'25	12	21°65'44	5°91'06	
96				12	13°52'71	8°40'47		142	44§	12°39'42	17°00'37	48§	23°81'60	5°18'14	65 68 8.7
97	26	19°82'70	21°14'37	30§	8°70'07	9°09'10	65 32 9.2	143	12	13°37'57	17°43'77	8	24°77'99	5°65'07	
98	8	20°60'37	21°20'91	26	9°47'49	9°12'39	65 33 9.5	144	26§	8°74'44	18°58'90	24§	20°11'29	6°63'90	65 59 9.5
99	20	22°89'21	21°18'79	32§	11°76'19	9°00'82	65 38 8.5	145	8	12°47'59	18°72'46	6*	23°83'47	6°90'98	
100				14	11°99'84	9°32'80		146	12	4°41'07	19°28'88	10†	15°75'73	7°18'91	
101	45§	23°77'41	21°72'38	46§	12°66'51	9°50'79	65 43 8.3	147	14	6°93'38	19°19'54	12†	18°28'43	7°18'43	
102				14	13°28'50	9°85'10		148	18	11°03'43	19°59'13	16*	22°36'51	7°72'31	
103				14	6°55'88	10°07'76		149	31§	3°21'07	20°92'43	24§	14°50'05	8°78'00	
104	6†	19°10'67	22°65'36	22	8°03'92	10°63'05		150	40§	6°94'70	20°66'72	32§	18°24'62	8°65'45	65 56 9.0
105				18	9°08'32	10°06'17		151	50§	7°38'24	20°78'69	48§	18°67'55	8°79'35	65 57 8.3
106				16	12°16'39	10°54'94		152	12	8°98'25	20°54'00	12*	20°28'40	8°59'99	65 60 9.5
107				14	13°40'31	10°75'02		153	30§	10°79'56	20°86'31	24§	22°08'45	8°98'53	65 63 9.3
108				24	7°71'15	11°35'33	65 29 9.5	154	34§	11°12'47	20°83'66	26§	22°41'51	8°97'08	65 64 9.0
109				24	7°79'94	11°92'01	65 30 9.5	155	44§	11°55'50	20°91'15	36§	22°84'13	9°05'93	65 65 9.2
110				18	12°24'80	11°64'01		156	12	12°10'73	20°00'53	10†	23°42'57	8°17'49	
111				30§	13°37'62	11°93'69	65 45 9.5	157	10	12°45'18	20°88'91				
112				24	3°55'69	12°25'84		158	17	3°76'78	21°62'14	14	15°03'60	9°49'69	
113	32	22°74'59	25°05'98	46§	11°77'61	12°87'95	65 39 8.3	159	17	3°83'17	21°89'55	14	15°08'70	9°77'20	
114	49	22°91'17	25°10'56	50§	11°94'46	12°91'81	65 40 8.7	160	30§	7°48'01	21°99'88	26§	18°72'83	10°00'45	65 58 9.4
115	67§	23°25'79	25°04'20	70§	12°28'77	12°84'03	65 41 7.7	161	10	7°52'96	21°41'39	8†	18°79'99	9°42'06	
116	39	18°73'71	25°03'23	40§	7°77'27	13°02'05	65 31 8.9	162	10	10°52'15	21°85'36				
117				20	12°54'68	13°84'63		163	12	13°83'45	21°58'00				
				65§	2°05'53	7°04'39	65 19 9.0	164	56§	2°82'80	22°01'88	50§	14°08'35	9°85'96	65 48 7.8
				100§	2°85'08	9°91'42	65 23 7.3	165	20	4°25'61	22°64'59	14†	15°48'74	10°53'67	65 49 9.5
				98§	2°79'57	11°56'98	65 21 8.0	166	14	9°58'45	22°47'66	12†	20°81'45	10°55'59	
44	26°76'75	17°33'84					65 50 8.3	167	22	13°56'56	22°19'76	20	24°80'66	10°41'52	
55§	25°17'52	22°13'63					65 48 7.8	168	8	6°51'47	23°58'10	8*	17°70'84	11°55'10	
10	14°63'66	26°77'51					65 24 8.6	169	12	7°51'51	23°49'02				
								170	12	7°80'32	23°75'62				
								171	20	9°51'54	23°00'88	14	20°72'94	11°08'39	
								172	8	10°88'42	23°18'03	8	22°09'47	11°30'08	
								173	10	13°30'37	23°19'21	8*	24°50'83	11°40'43	
								174	55§	5°87'51	24°79'39	46§	17°02'90	12°73'82	65 53 8.5
								175	19	9°01'85	24°29'55	16	20°18'77	12°35'35	
								176	40§	11°64'08	24°54'15	28§	22°80'00	12°69'08	65 66 9.3
								177	20	12°39'23	24°99'45	18	23°53'44	13°16'99	
								178	42§	4°93'24	25°33'09	30§	16°06'76	13°24'37	65 51 9.4
								179	18	5°46'88	25°01'05	14	16°61'73	12°94'85	
								180	24§	9°62'01	25°34'17	22	20°75'37	13°41'95	65 61 9.5
								181	120§	12°26'63	25°58'17	108§	23°39'14	13°74'91	65 67 6.5
								182	12	13°29'01	25°70'26	10†	24°40'84	13°91'23	
									29§	1°18'88	17°08'16				64 35 9.1
									60§	1°39'73	21°71'54				65 43 8.3
									71§	0°62'89	25°11'87				65 39 8.3
									96§	1°13'72	25°06'05				65 41 7.7
									88§	0°79'55	25°15'04				65 40 8.7



## ZONE + 65°.

R.A. $\alpha^h$ 27 <sup>m</sup> to $\alpha^h$ 36 <sup>m</sup>								R.A. $\alpha^h$ 36 <sup>m</sup> to $\alpha^h$ 45 <sup>m</sup> —contd.							
Centre R.A. $\alpha^h$ 27 <sup>m</sup> Dec. + 65° Plate 2287. 1894, Oct. 15.				Centre R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 66° Plate 1681. 1893, Dec. 9.				Centre R.A. $\alpha^h$ 45 <sup>m</sup> Dec. + 65° Plate 1631. 1893, Dec. 1.				Centre R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 66° Plate 1681. 1893, Dec. 9.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

## ZONE + 65°.

R.A. 0 <sup>h</sup> 45 <sup>m</sup> to 0 <sup>h</sup> 54 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 54 <sup>m</sup> to 1 <sup>h</sup> 3 <sup>m</sup>							
Centre R.A. 0 <sup>h</sup> 45 <sup>m</sup> Dec. +65° Plate 1631. 1893, Dec. 1.				Centre R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. +66° Plate 2868. 1895, Sept. 20.				Centre R.A. 1 <sup>h</sup> 3 <sup>m</sup> Dec. +65° Plate 1632. 1893, Dec. 1.				Centre R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. +66° Plate 2868. 1895, Sept. 20.			
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D. No. Mag.
278				18	6.1018	5.9477		327	28	9.9748	14.2678	30§	21.3964	2.3943	64 121 9.5
279	12	19.7859	17.6213	24§	8.6440	5.4792		328	38	10.7644	14.4943	37§	22.1764	2.6479	64 122 8.9
280				20	8.9921	5.5310	65 109 9.5	329	10	10.9494	14.6109	18*	22.3592	2.7704	
281				16	3.0560	6.4593		330				12	15.9884	3.5443	
282	50§	15.6534	18.2452	46§	4.5369	6.2587	65 103 8.1	331	30	4.7101	15.4921	28§	16.0891	3.4256	64 113 9.5
283				16	6.5060	6.2651		332				8	16.3194	3.3021	
284				16	9.3245	6.3943		333	14*	8.2869	15.2286	16	19.6745	3.2934	
285				14	10.7736	6.6061		334	14	9.3205	15.2647	18	20.7062	3.3644	
286				24	13.7959	6.7705		335	14	12.0548	15.5682	22	23.4296	3.7641	
287	10†	24.8855	19.1101	26§	13.8266	6.4206	65 101 8.0	336	22	12.3220	15.8723	28	23.6810	4.0805	
288	44§	14.2122	19.2891	40§	3.1362	7.3590		337	26	13.0833	15.2747	36	24.4659	3.5072	64 124 9.5
289	10*	14.3732	19.8082	24	3.3170	7.8709		338	28	4.1112	16.2985	24§	15.4630	4.2092	
290	12	17.1716	19.8018	24§	6.1120	7.7584		339	26	4.4813	16.1433	24§	15.8378	4.0673	64 112 9.2
291				18	6.8163	7.5113	65 107 9.4	340	20	3.6626	17.7774	24§	14.9597	5.6726	
292	32	18.1456	19.0400	28§	7.0568	6.9587		341	24	3.7638	17.5314	24§	15.0710	5.4302	65 119 9.3
293	32	15.6852	20.2501	28§	4.6453	8.2636		342				12	16.0173	5.5252	
294	32	18.5350	20.0693	28§	7.4864	7.9704		343				12	16.7465	5.6199	
295	40§	19.1129	20.0699	36§	8.0620	7.9495	65 108 9.0	344	10*	6.4630	17.6793	14	17.7661	5.6769	
296	38§	20.1460	20.0382	32§	9.0950	7.8756	65 111 8.8	345	30	6.8246	17.7392	26§	18.1235	5.7488	
297	28	20.2796	20.2679	28§	9.2354	8.1004		346	8*	11.1419	17.1459	12	22.4584	5.3098	
298				12	11.0469	8.6095		347	10	13.0743	17.5303	17†	24.3760	5.7620	
299	40§	22.6275	20.3708	36§	11.5867	8.1185	65 114 9.0	348	26	3.9176	18.1568	26§	15.2030	6.0587	
300	10†	16.1623	21.5800	20§	5.1747	9.5761		349	16	3.9526	18.6101	20§	15.2211	6.5156	65 121 9.5
301	10	19.1348	21.7599	22§	8.1508	9.6397		350	52§	3.9768	18.0812	44§	15.2662	5.9857	65 120 8.2
302				16	10.0159	9.9350		351	18	7.7599	18.8427	18	19.0191	6.8845	
303				18	12.8207	9.3412		352	22	9.5125	18.1145	18	20.7945	6.2189	
304				18	13.3984	9.6175		353	46§	9.6105	18.2600	36§	20.8866	6.3695	65 128 8.9
305	26	18.1941	22.5705	32§	7.2409	10.4853		354	12	11.2651	18.1075	12	22.5511	6.2740	
306	48§	20.3634	22.1298	40§	9.3909	9.9649	65 112 8.8	355				8	18.0341	7.4477	
307	12*	21.7658	22.2106	26§	10.7974	9.9907	65 113 9.5	356	20	9.1332	19.7409	22	20.3592	7.8324	
308				12	4.2555	11.9304		357	76§	9.5550	19.1869	60§	20.8006	7.2933	65 129 6.9
309				8	8.7368	11.3139		358	20†	3.0967	20.9406	24§	14.2800	8.8145	65 117 9.4
310				16	8.9322	11.1158		359	12	4.4693	20.5181	20§	15.6684	8.4403	
311	132§	22.6784	23.9757	94§	11.7743	11.7138	65 115 6.0	360	28§	4.9765	20.6284	24§	16.1737	8.5707	65 124 9.4
312	19	24.2506	23.0699	30§	13.3130	10.7525	65 116 9.0	361	30	6.4832	20.5175	26§	17.6838	8.5104	65 126 9.5
313				16	4.1437	12.3190		362				12	14.5792	9.8454	
314				18	4.4417	12.4755		363	30	10.2993	21.4922	26§	21.4619	9.6246	
315	80§	17.3346	24.8030	66§	6.4697	12.7497	65 106 7.0	364	62§	4.5485	22.2922	44§	15.6856	10.2138	65 123 8.4
316				10	8.2368	12.8544		365				12	21.5119	10.8383	
317	18	19.3060	24.6816	28§	8.4343	12.5505		366	8*	10.7314	22.6384	16	21.8519	10.7844	
318	70§	19.9354	24.6031	50§	9.0618	12.4497	65 110 8.0	367	16	12.5422	22.2413	14	23.6770	10.4529	
319				22§	11.2276	12.7672		368	26	12.9455	22.0873	22§	24.0861	10.3102	65 131 9.5
320				20	11.5712	12.3145		369				12	24.7139	10.2766	
321	43§	14.7749	25.7757	34§	3.9500	13.8146	65 102 9.1	370	52	4.2212	24.8615	38§	15.2667	12.7720	65 122 8.8
322	10†	17.2212	25.1365	24§	6.3664	13.0841		371				16	15.2770	12.6899	
323	14	17.8559	25.3525	24§	7.0116	13.2791		372	62§	10.2430	24.8993	46§	21.2832	13.0258	65 130 8.5
324				10	11.4984	13.2856		373				14	14.5029	13.4962	
325				18	12.6845	13.1403		374				14	16.8453	13.9578	
326				14	13.6373	13.9528		375	43	6.2665	25.3473	34§	17.2937	13.3304	65 125 9.2
	16	27.0256	16.4837				64 112 9.2	376	27	7.4346	25.4261	28§	18.4586	13.4515	65 127 9.4
	16	26.2125	17.8176				65 119 9.3	377	10*	8.5600	25.6140	18§	19.5752	13.6805	
	60§	26.3854	18.3819				65 120 8.2					58§	26.4309	5.1398	65 135 9.0
	24	27.1939	20.9993				65 124 9.4					32§	26.1910	9.4547	65 134 9.0
	75§	26.6421	22.6228				65 123 8.4					32§	25.2979	11.1007	65 132 9.0
	34	26.1257	25.1658				65 122 8.8								65 116 9.0
															65 115 6.0
													</		

311. The 6<sup>m</sup> and 3<sup>m</sup> images overlap, and make measure uncertain.

1 réseau interval represents very nearly 5' = 47.3 of R.A. at Dec. + 65°, and 49.2 at Dec. + 66°.



Z O N E + 65°.

R.A. 1 <sup>h</sup> 3 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup>									R.A. 1 <sup>h</sup> 3 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.																		
Centre		R.A. 1 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre		R.A. 1 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°													
		Plate 1632. 1893, Dec. 1.			Plate 2923. 1895, Oct. 17.						Plate 1632. 1893, Dec. 1.			Plate 2923. 1895, Oct. 17.													
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.											
								No.											No.								
								Mag.											Mag.								
378	22	17.6132	14.3796	22	6.2018	2.4434	°	m.	436				20§	6.7634	12.8350	°	m.										
379	12*	20.8659	14.8734	22	9.4694	2.8237			437				24§	9.2942	13.9190												
380	20	18.8325	15.3015	24	7.4541	3.3230																					
381	54§	19.2134	15.0388	53§	7.8248	3.0415	64	130	8.7		49	27.2833	14.9916				64	148	9.0								
382				10	9.8393	3.5569				49§	25.4860	15.1415					64	144	7.6								
383	42§	22.3228	15.4112	44§	10.9457	3.3070	64	138	9.1	82§	25.4296	21.7646					65	151	8.0								
384	26	22.4412	15.6193	30	11.0723	3.5084																					
385				12	13.9728	3.0169																					
386	28	14.7127	16.8344	32§	3.3900	4.9990	65	133	9.5																		
387	48§	15.1041	16.8322	46§	3.7792	4.9832	65	135	9.0																		
388	10*	15.1428	16.1165	12	3.7975	4.2653																					
389	16	15.7168	16.9680	22	4.4028	5.1008																					
390	10*	19.1539	16.5854	14	7.8202	4.5924																					
391	34	20.0698	16.5113	34§	8.7338	4.4863	64	133	9.0																		
392				14	12.5081	4.7940																					
393	10†	15.1941	17.7122	12	3.9046	5.8571																					
394	30	15.6193	17.3507	32§	4.3158	5.4850	65	137	9.5																		
395	8	17.2829	17.7820	14	5.9939	5.8566																					
396	28	19.0305	17.7834	28§	7.7405	5.7953																					
397	40§	20.1067	17.0899	38§	8.7920	5.0626	65	144	9.2																		
398	44	24.1746	17.7521	36§	12.8793	5.5810	65	147	9.3																		
399	34	24.3843	17.7903	30§	13.0875	5.6145	65	148	9.4																		
400				10	13.3434	5.5072																					
401	44§	16.8319	18.0526	44§	5.5529	6.1420	65	140	8.2																		
402				12	13.1216	6.2975																					
403	10*	15.2717	19.7595	14	4.0553	7.8989																					
404	14	17.1124	19.6647	22	5.8878	7.7413																					
405	10	18.5599	19.2809	16	7.3233	7.3064																					
406	8*	21.1442	19.3186	18	9.9068	7.2504																					
407				18	10.9332	7.7038																					
408	14†	23.6158	19.3733	22	12.3777	7.2189	65	146	9.4																		
409	12*	23.7267	19.6586	16	12.4974	7.4975																					
410				12	12.5725	7.4754																					
411	44§	16.4026	20.2823	40§	5.2031	8.3863	65	139	9.3																		
412	20	19.4861	20.1969	18	8.2797	8.1902																					
413				14	11.2610	8.6511																					
414	20	22.8856	20.0872	26§	11.6740	7.9593																					
415				18	13.9392	8.9211																					
416				10	13.9457	8.9473	65	150	9.5																		
417	42§	15.0202	21.1519	42§	3.8526	9.3046	65	134	9.0																		
418	18	16.2860	21.0155	20	5.1128	9.1210																					
419	40§	17.8071	21.5665	38§	6.6523	9.6196	65	142	9.1																		
420	12	21.5333	21.2620	16	10.3626	9.1835																					
421				14	10.8386	9.2457																					
422	62§	22.0917	21.2996	52§	10.9244	9.2003	65	145	8.4																		
423				16	10.9981	9.7133																					
424				12	11.5348	9.5136																					
425	20	16.7617	22.5795	24	5.6435	10.6678																					
426				16	9.1903	10.0820																					
427				10	9.6863	10.3490																					
428				16	11.1349	10.8930																					
429				12	11.2244	10.6329																					
430	44§	14.1866	22.8307	40§	3.0789	11.0095	65	132	9.0																		
431				12	8.2755	11.2911																					
432				30§	13.8227	11.8595	65	149	9.4																		
433	10*	14.9141	23.9098	20§	3.8457	12.0587																					
434	28	16.2273	24.3796	32§	5.1741	12.4872	65	138	9.5																		
435	16†	17.4552	24.7280	26§	6.4148	12.7905	65	141	9.5																		

Nos. 415 and 416. The Declination in the B.D., where only one star is given, appears to be about  $2'$  too small.

1 réseau interval represents very nearly  $\zeta' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 21 <sup>m</sup> —contd.										R.A. 1 <sup>h</sup> 21 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.													
Centre R.A. 1 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°					Centre R.A. 1 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°								
Plate 2334. 1894, Nov. 6.					Plate 2923. 1895, Oct. 17.					Plate 2334. 1894, Nov. 6.					Plate 2947. 1895, Nov. 14.								
No.	Diam.	$\alpha$ .	$\mu$ .		Diam.	$\alpha$ .	$\mu$ .			No.	Diam.	$\alpha$ .	$\mu$ .		Diam.	$\alpha$ .	$\mu$ .						
										B. D.													
										No.	Mag.											No.	Mag.
485	10	12°86'41	20°10'04							538	18	24°78'74	16°40'97	24§	13°60'26	4°36'81							
486	56§	13°55'42	20°56'08	56§	24°84'04	8°88'43	65	164	7·5	539	22	16°64'18	17°23'14	20	5°49'16	5°49'03							
487	66§	3°01'65	21°58'24	55§	14°27'53	9°54'43	65	151	8·0	540				10	6°33'35	5°04'97							
488	16	4°52'13	21°46'38	14	15°78'09	9°47'76				541	10	18°25'26	17°25'88	16	7°10'41	5°45'67							
489	10	9°39'48	21°17'14	10†	20°66'01	9°35'36				542	14	19°16'10	17°39'86	20	8°01'59	5°56'14							
490	12	10°23'44	21°57'58	8	21°48'60	9°78'71				543	42§	20°09'80	16°87'47	44§	8°93'37	5°00'80	65	177	9·1				
491	10	12°11'92	21°93'86	8*	23°35'99	10°21'07				544	20	20°54'43	17°73'12	24	9°40'78	5°84'32							
492	18	12°41'33	21°41'12	16	23°67'18	9°69'33				545	16	21°40'55	17°50'92	18	10°26'40	5°59'08							
493	8	12°44'03	21°01'50	8*	23°71'43	9°30'01				546				8	10°81'95	5°53'07							
494				8	14°66'30	10°16'77				547	38§	22°43'36	17°44'81	40§	11°28'71	5°49'05	65	179	8·8				
495				10	15°22'34	10°67'00				548	18	14°43'55	17°77'88	18	3°30'63	6°11'91							
496	34§	8°80'08	23°72'63	30§	19°98'18	11°88'12	65	157	9·5	549	26	16°02'39	18°16'81	26	4°90'70	6°44'99	65	171	9·5				
497	32§	10°80'00	22°97'61	28§	22°00'50	11°20'35				550	20	17°04'17	18°00'80	20	5°91'84	6°25'10							
498	48§	9°41'69	23°93'65	30§	20°58'74	12°11'55	65	159	9·5	551	10	18°22'44	17°80'80	12	7°09'51	6°00'35							
499	42§	13°81'74	23°58'90	34§	25°00'22	11°91'90	65	165	9·4	552	8	20°08'54	18°58'15	16	8°98'22	6°71'10							
500				12	14°35'09	12°08'80				553				14	12°84'35	6°49'93							
501				12	14°65'89	12°79'02				554	42§	15°14'44	19°39'03	38§	4°07'53	7°70'19	65	167	9·2				
502				10	14°66'96	12°56'76				555	22§	15°77'35	19°39'65	24	4°70'45	7°68'70	65	170	9·5				
503	20	11°08'98	24°10'06	14	22°25'64	12°34'00				556	12	16°25'63	19°43'20	16	5°18'73	7°70'34							
504	24§	3°92'72	25°95'52	26§	15°03'38	13°94'86	65	152	9·5	557	14	16°70'26	19°03'80	20	5°61'80	7°29'25							
505				12	15°39'29	13°72'25				558	6	19°45'60	19°00'42	10	8°36'93	7°16'08							
506				10	19°53'20	13°65'86				559	22§	21°91'69	19°40'78	26§	10°84'51	7°47'03							
507	16	10°10'51	25°09'48	14	21°23'75	13°29'76				560				16	10°88'62	7°82'26							
508	14	11°28'35	25°68'60	16	22°39'49	13°92'75				561				16	13°69'49	7°39'51							
R.A. 1 <sup>h</sup> 21 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup>										562	8	16°07'36	20°22'50	16	5°03'33	8°50'21							
Centre R.A. 1 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°					R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°					563	8	18°51'47	20°77'78	14	7°49'69	8°96'51							
Plate 2334. 1894, Nov. 6.					Plate 2947. 1895, Nov. 14.					564	8†	21°55'71	20°36'53	16	10°51'75	8°43'80							
509	8	14°05'74	14°51'56							565	12†	23°74'16	20°18'26	18	12°69'21	8°17'79							
510	32	16°44'06	14°80'53	32§	5°20'30	3°07'47	64	169	9·5	566				8	13°03'57	8°65'60							
511	16	16°44'85	14°71'23	16	5°20'65	2°98'28				567	14*	24°80'50	20°81'49	16	13°78'33	8°76'91							
512	26§	16°80'09	14°49'81	24	5°55'16	2°75'53				568	40§	14°99'12	20°82'95	42§	3°97'59	9°14'86	65	166	9·2				
513	8	16°83'86	14°07'14							569	22	15°18'43	21°51'86	26§	4°19'14	9°82'80							
514	8	17°52'28	14°58'53	12†	6°27'48	2°81'16				570	8*	15°97'07	20°83'74	12	4°95'57	9°12'03							
515	8†	19°14'02	14°32'17	12	7°88'06	2°49'05				571	8	16°10'41	20°87'10	16	5°08'64	9°14'81							
516	44§	19°94'08	14°58'51	44§	8°68'78	2°72'10	64	179	9·1	572	16	16°31'74	20°85'35	26	5°30'22	9°12'30							
517	32§	20°05'11	14°17'50	33§	8°78'44	2°30'71	64	180	9·4	573	10	16°73'17	21°56'33	14	5°74'40	9°81'71							
518	26§	22°32'40	14°85'27	32§	11°08'34	2°90'37	64	189	9·5	574	102§	17°46'50	20°89'24	100§	6°45'22	9°11'66	65	175	6·0				
519	23	23°68'45	14°52'73	34§	12°42'93	2°52'69				575	8†	17°59'93	21°77'27	10	6°61'68	9°99'40							
520	10*	24°81'49	14°77'09	20	13°56'98	2°72'85	64	197	9·5	576	8	18°29'46	21°18'04	14	7°28'79	9°37'60							
521	22	25°07'88	15°01'02	24§	13°84'15	2°95'87				577	18	20°53'39	21°51'80	20	9°53'78	9°62'95							
522	18	16°57'28	15°34'15	20	5°35'40	3°60'91	64	170	9·4	578	20	20°85'58	21°42'06	22	9°85'85	9°52'07							
523	38§	16°74'93	15°42'88	42§	5°53'35	3°68'69	64	171	9·4	579	8	14°03'32	22°52'62	12	3°08'15	10°87'55							
524	8	18°84'01	15°06'78	14†	7°61'07	3°24'53				580	36§	15°61'74	21°82'98	38§	4°64'14	10°12'51	65	169	9·5				
525	30§	19°14'59	15°59'01	30§	7°93'52	3°75'81	64	175	9·5	581	42§	16°90'04	22°58'67	46§	5°95'12	10°83'28	65	173	7·5				
526	38§	19°61'29	15°83'55	40§	8°41'05	3°98'85	64	177	9·0	582				10	5°97'92	10°83'21							
527	42§	20°43'49	15°01'93	42§	9°19'80	3°14'00	64	182	9·3	583	36§	17°42'52	22°68'53	32§	6°47'60	10°90'97	65	174	9·5				
528	10	21°12'49	14°06'67	12	9°88'83	3°06'39				584				10	9°47'87	10°49'80							
529	8	24°09'39	15°81'77	16	12°88'44	3°80'02				585	14	21°64'42	21°94'09	24	10°66'60	10°01'17							
530				16	13°44'13	3°71'28				586	14	22°15'27	22°18'30	20	11°18'38	10°23'69							
531	30§	15°58'16	15°85'18	28	4°38'20	4°15'07				587				14	12°84'54	10°54'08							
532	16	15°89'22	16°65'14	18	4°72'12	4°94'01				588	77§	23°95'81	22°59'62	70§	13°00'22	10°58'14	65	182	7·8				
533	18	16°99'22	16°46'84	20	5°81'03	4°71'64				589				14	4°04'50	11°81'32							
534	42§	18°05'49	16°08'96	40§	6°85'93	4°29'81	64	174	9·1	590	32§	15°20'63	23°13'98	32§	4°27'66	11°44'73	65	168	9·5				
535	8	20°15'01	16°10'49	12	8°95'52	4°23'82				591	20	19°68'60	23°22'03	26	8°75'60	11°36'18							
536	38§	20°74'53	16°59'12	40§	9°56'67	4°69'80	64	185	9·3	592	29	21°33'06	23°39'01	32§	10°40'56	11°47'13							
537	16	21°53'92	16°28'06	24	10°35'01	4°35'83				593				10	10°96'47	11°15'10							
										594				8	10°96'57	11°14'05							
										595				18	11°01'72	11°12'30							
										596				14	11°47'53	11°27'08							



[illegible]

A *risseau* interval represents very nearly  $5' = 47^{\text{s}}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 1 <sup>h</sup> 39 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>									R.A. 1 <sup>h</sup> 57 <sup>m</sup> to 2 <sup>h</sup> 6 <sup>m</sup>																
Centre R.A. 1 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			Centre R.A. 1 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 2 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°																
Plate 1633. 1893, Dec. 1.			Plate 658. 1892, Nov. 30.			Plate 2380. 1894, Nov. 21.			Plate 2382. 1894, Nov. 21.																
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.									
								No.									No.								
								Mag.																	
694	58§	23°45'35	22°46'22	42§	12°39'45	10°16'07	65° 210	8.5	742	8	15°01'59	14°19'80				°	m.								
695	27	23°58'88	22°75'04	32§	12°54'11	10°44'62	65° 211	9.4	743	10	15°56'28	14°01'02													
696	32	15°55'48	23°52'63	28§	4°54'18	11°50'70	65° 203	9.5	744	50§	17°70'31	14°00'44	46§	6°56'87	1°98'72	64 291	8.2								
697	46§	17°94'97	23°40'08	42§	6°92'88	11°29'57	65° 207	8.8	745	30§	17°89'81	14°13'07	34	6°76'82	2°10'70	64 292	9.5								
698	20	17°19'84	25°01'56	22§	6°23'72	12°93'68	65° 204	9.5	746	22	18°66'36	14°08'16	12*	7°53'04	2°02'89										
699	47	20°88'07	25°61'09	44§	9°93'78	13°39'72	65° 209	8.8	747	24	20°57'83	14°00'32	18*	9°44'76	1°88'43										
700				12	9°96'12	13°44'64			748	20	22°95'64	14°33'07	14†	11°83'18	2°13'01	64 303	9.5								
									749	30	22°98'29	14°34'93	28	11°85'62	2°14'53										
	56§	26°51'41	14°64'40				64 263	8.9	750	10	19°03'54	15°78'05													
									751	20	20°87'52	15°49'13	16†	9°79'16	3°36'29										
									752	14	22°12'40	15°39'75	12*	11°03'74	3°22'31										
									753	24	24°41'70	15°05'09	24	13°31'71	2°79'47										
									754	38§	19°85'77	17°69'39	34§	8°85'28	5°59'69	65 229	9.0								
									755	34§	19°97'09	17°71'98	34§	8°96'68	5°61'70	65 230	9.3								
									756	12	21°13'24	17°14'62	12*	10°10'75	5°00'43										
									757	24	17°72'91	18°38'52	24	6°75'29	6°36'25	65 226	9.5								
									758	8	18°70'21	18°26'95	10*	7°71'82	6°21'40										
									759	42§	21°89'65	18°07'12	38§	10°90'35	5°00'13	65 233	9.4								
									760	26	23°09'93	18°84'03	22	12°13'26	6°62'83										
									761	16	16°37'96	19°85'02	12	5°45'25	7°87'59										
									762	42§	17°17'14	19°69'73	40§	6°23'69	7°69'29	65 225	9.0								
									763	18	17°26'63	19°86'16	16	6°34'13	7°85'36										
									764	20	18°63'45	19°91'01	18	7°71'03	7°53'33										
									765	22	21°41'76	19°18'39	16	10°46'55	7°03'14										
									766	24§	15°76'76	20°75'28	20	4°87'53	8°80'01										
									767	40§	19°06'57	20°53'13	42§	8°16'29	8°46'25	65 228	9.2								
									768	20	20°82'45	21°37'95	18	9°95'13	9°24'46										
									769	40§	16°49'49	22°08'75	42§	5°64'76	10°10'62	65 224	9.2								
									770	24	15°85'37	23°73'74	20	5°06'25	11°77'63	65 223	9.5								
									771	26	21°21'37	23°44'30	30	10°40'85	11°29'82										
									772	16	20°53'98	24°91'07	14	9°78'77	12°78'59										
									773	22	21°67'48	24°04'85	22	10°89'18	11°88'05										
									774	12	24°23'23	24°70'62	16	13°46'84	12°44'94										
									775	24	24°74'48	24°41'24	36§	13°97'36	12°13'82										
									776	22	19°13'80	25°50'34	20	8°41'16	13°42'77										
										123§	26°33'50	24°46'11				65 242	6.8								
										159§	25°66'62	26°87'13				65 239	6.0								
										38	26°16'49	26°59'11				65 241	8.7								
										66§	22°36'56	26°58'31				65 234	8.2								
R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 57 <sup>m</sup>									R.A. 2 <sup>h</sup> 6 <sup>m</sup> to 2 <sup>h</sup> 15 <sup>m</sup>																
Centre R.A. 1 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			Centre R.A. 2 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 2 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°																
Plate 2380. 1894, Nov. 21.			Plate 658. 1892, Nov. 30.			Plate 2323. 1894, Nov. 5.			Plate 2382. 1894, Nov. 21.																
701	50§	3°69'98	14°35'11	44§	15°17'27	2°23'73	64° 263	8.9	777	16	7°12'53	14°10'33	13*	18°87'02	2°06'55	°	m.								
702	12	5°05'14	14°84'32	10†	16°50'73	2°77'92			778	8	7°40'92	14°22'08													
703	20	5°77'47	14°80'99	13	17°22'91	2°76'78			779	12	9°89'58	14°37'05													
704	32	6°16'36	14°15'39	20	17°63'91	2°12'76	64 270	9.5	780	28	12°92'27	14°87'61	30	24°63'28	3°04'97										
705	14	6°98'51	14°92'69	12	18°43'25	2°92'97			781	12	6°02'47	15°25'36	6*	17°72'23	3°16'98										
706	16	7°97'19	14°32'69						782	28	6°05'19	15°62'05	20	17°73'96	3°53'68										
707	18	9°12'08	14°12'13						783	64§	8°16'97	15°54'08	67§	19°85'87	3°53'77	64 314	7.2								
708	36§	13°97'84	13°97'20	40	25°47'83	2°22'30			784	28§	10°73'56	15°33'30	34	22°43'19	3°42'31	64 320	9.3								
709	30	4°30'25	15°54'14	28§	15°73'21	3°44'78	64 265	9.5	785	12	10°95'27	16°76'61	11*	22°59'32	4°86'10										
710	14	7°08'59	15°81'00	12†	18°50'62	3°81'66			786	12	5°31'35	17°60'02	8*	16°92'49	5°48'76										
711	12	12°18'00	15°66'67						787	18	6°13'78	17°10'64	17	17°77'12	5°02'75										
712	18	4°83'63	16°11'27	18†	16°24'82	4°03'70			788	34§	6°84'19	17°68'82	30§	18°45'13	5°63'31	65 245	9.2								
713	26	5°13'52	16°55'89	22	16°52'82	4°49'54			789	8	9°69'47	17°19'87	7*	21°32'39	5°24'88										
714	16	6°95'57	16°80'31	14†	18°34'04	4°80'47																			
715	12	9°21'44	16°01'17	8†	20°62'35	4°09'14																			
716	24	9°63'51	16°05'22	18	21°04'34	4°14'45																			
717	46§	10°32'56	16°72'73	42§	21°71'03	4°84'74	65 219	9.5																	
718	16	10°77'56	16°02'02	12†	22°18'46	4°15'47																			
719	19	2°80'53	17°45'54	22	14°16'85	5°30'72																			
720	34	4°35'38	17°40'54	30§	15°71'65	5°31'52	65 214	9.5																	
721	16	6°50'17	17°12'97	16	17°87'28	5°11'27																			
722	16	8°90'33	17°56'65	14	20°26'04	5°63'39																			
723	22	9°06'31	17°41'31	16	20°42'38	5°48'77																			
724	8	12°07'58	17°45'11																						
725	10*	6°20'57	18°08'59	16	17°51'46	6°05'48																			
726	8	4°67'33	19°29'75	14	15°97'02	7°21'56																			
727	12	9°19'92	19°16'08	12*	20°49'84	7°23'69																			
728	8	10°94'58	19°10'25	16†	22°24'68	7°24'05																			
729	34	4°68'50	20°51'13	26	15°94'00	8°42'83																			
730	16*	5°58'49	21°17'73	14	16°81'42	9°12'73																			
731				8	20°20'92	9°88'31																			
732	36	4°97'19	24°88'09	26§	16°07'16	12°80'29																			
733	10	5°89'51	24°03'19	10	17°02'58																				



## ZONE + 65°.

R.A. 2 <sup>h</sup> 6 <sup>m</sup> to 2 <sup>h</sup> 15 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 15 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre		R.A. 2 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 2 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			Centre		R.A. 2 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°		
Plate 2323. 1894, Nov. 5.					Plate 2382. 1894, Nov. 21.			Plate 2323. 1894, Nov. 5.					Plate 1691. 1893, Dec. 14.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

R.A. 2<sup>h</sup> 15<sup>m</sup> to 2<sup>h</sup> 24<sup>m</sup>

Centre R.A. 2<sup>h</sup> 15<sup>m</sup> Dec. + 65° R.A. 2<sup>h</sup> 24<sup>m</sup> Dec. + 66°  
Plate 2323. 1894, Nov. 5. Plate 1691. 1893, Dec. 14.

No.	Diam.	x.	y.	Diam.	x.	y.		
831	8	14°27'26	14°45'56					
832	46§	20°35'16	14°17'25	50§	8°93'78	2°13'79	64	327
833	18	20°59'45	14°41'42					
834	46§	21°28'69	14°69'91	48§	9°89'43	2°62'88	64	328
835	8	14°35'82	15°17'99					
836	36§	18°99'62	15°19'67	14	7°62'52	3°20'97		
837	28	19°38'59	15°51'86					
838	22	19°06'56	16°33'97					
839	14	20°08'54	16°98'87					

R.A. 2<sup>h</sup> 24<sup>m</sup> to 2<sup>h</sup> 33<sup>m</sup>

Centre R.A. 2<sup>h</sup> 33<sup>m</sup> Dec. + 65° R.A. 2<sup>h</sup> 24<sup>m</sup> Dec. + 66°  
Plate 1610. 1893, Nov. 17. Plate 1691. 1893, Dec. 14.

No.	Diam.	x.	y.	Diam.	x.	y.		
880	26	3°30'75	14°89'06					
881	22	6°80'04	14°14'85					
882	44§	8°02'97	14°55'13	34§	19°33'81	2°59'65	64	335
883	18	10°01'94	14°63'21					
884	40§	10°06'46	14°90'79	28	21°36'34	3°02'67	64	339
885	46§	11°58'67	14°49'09	40	22°89'89	2°66'44	64	340
886	32§	9°01'29	15°72'40	16	20°27'72	3°80'30		
887	36§	7°81'72	16°10'19	20	19°07'45	4°13'70	64	334
888	38§	13°77'04	16°51'37					
889	38§	13°79'10	16°50'46	58	25°01'78	4°76'23	65	284

Nos. 888 and 889 are seen as one mass on plate 1691. The images are not separable.  
The 20<sup>s</sup> images are not shown.

a réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.

## ZONE + 65°.

R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 33 <sup>m</sup> — <i>contd.</i>								R.A. 2 <sup>h</sup> 42 <sup>m</sup> to 2 <sup>h</sup> 51 <sup>m</sup>							
Centre R.A. 2 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				Centre R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R.A. 2 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				Centre R.A. 2 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°			
Plate 1610. 1893, Nov. 17.				Plate 1691. 1893, Dec. 14.				Plate 1640. 1893, Dec. 1.				Plate 2404. 1894, Nov. 30.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
890	18	8.0581	17.2679					935	26	9.1271	14.8282	24*	20.5899	2.8002	
891	80§	9.5511	17.6630	64§	20.7465	5.7618	65 280 6.1	936	20†	10.9590	14.2152	12*	22.4423	2.2529	
892	20	6.8864	18.3230					937	30	12.6246	14.9182	26	24.0869	3.0114	
893	34§	10.3540	18.0232	16	21.5346	6.1504	65 281 9.5	938	10*	3.4054	15.3014	12*	14.8534	3.0759	
894	36	6.3504	19.8722	20	17.4650	7.8500		939	10*	11.4987	15.4812				
895	34§	9.3196	19.4303	20	20.4480	7.5198	65 277 9.5	940	30	13.8540	15.2912	8*	25.2962	3.4287	
896	56§	6.5320	21.3261	54§	17.5902	9.3088	65 272 7.0	941	90§	4.8122	16.6975	80§	16.2146	4.5207	65 300 7.0
897	32	13.2001	21.4365	12	24.2542	9.6679	65 283 9.5	942	10*	6.1577	16.0392	10*	17.5821	3.9067	
898	32	9.1884	22.0836	20	20.2224	10.1673	65 276 9.5	943	22	8.2191	16.3564	16*	19.6297	4.2989	
899	32	11.8078	22.6713	15	22.8151	10.8508		944	26	9.4380	16.3162	20*	20.8543	4.2967	
900	18	4.7585	23.2385	12	15.7510	11.1569		945	22	10.8980	16.1320	14*	22.3172	4.1685	
901	16	8.2155	23.1647					946	32	12.6910	16.8077	34*	24.0850	4.9055	
902	42§	9.0961	23.1479	34§	20.0867	11.2251	65 275 9.2	947	14*	7.1482	17.4800	14*	18.5219	5.3846	
903	36	9.6935	23.7289	18	20.6636	11.8303	65 279 9.5	948	20†	8.7422	17.0449	16*	20.1292	5.0047	
904	22	12.3767	23.7374					949	34	7.1808	18.2752	30	18.5257	6.1795	65 303 9.5
905	38	7.0269	24.5429	34§	17.9734	12.5415	65 274 8.9	950	8*	8.7339	18.6370	8*	20.0661	6.5947	
906	24	13.0009	23.9762					951	82§	9.6616	18.7655	80§	20.9889	6.7539	65 306 7.0
907	22	5.9784	25.2376	22	16.8949	13.1990	65 269 9.5	952	14†	11.4462	18.7866	10*	22.7720	6.8413	
				84§	26.0650	7.5579	65 286 9.1	953	16	12.2829	18.0051	10	23.6366	6.0849	
								954	14†	13.9315	18.7067				
								955	32	13.9425	18.6898	30*	25.2695	6.8284	65 310 9.4
								956	28	8.5920	19.1065	28*	19.9080	7.0619	
								957	42§	10.6191	19.5970	34§	21.9182	7.6185	65 307 9.1
								958	16*	12.1676	19.0765	8*	23.4819	7.1520	
								959	16	12.9815	19.8164	16*	24.2700	7.9229	
								960	8*	2.8452	20.8265	14*	14.1026	8.5802	
								961	14*	6.9277	20.2854	12*	18.2040	8.1776	65 302 9.5
								962	26	10.2736	20.4953	16*	21.5398	8.5047	
								963	12*	11.1187	20.4158	14†	22.3891	8.4543	
								964	8*	13.1793	20.0165	6*	24.4616	8.1302	
								965	32	4.0298	21.2853	30§	15.2711	9.0753	65 299 9.5
								966	6*	8.0287	21.1256	6*	19.2759	9.0557	
								967	10*	11.7823	21.3060	8*	23.0231	9.3680	
								968	6*	6.5672	22.5901	8*	17.7611	10.4722	
								969	10*	7.2082	22.7871	12*	18.3974	10.6922	
								970	52§	13.2622	22.7519	42§	24.4493	10.8632	65 308 8.6
								971	52§	7.4010	23.5397	50§	18.5640	11.4462	65 304 8.9
								972	30	10.7000	23.8306	28†	21.8486	11.8517	
								973	42	5.2676	24.5256	30§	16.3938	12.3574	65 301 9.4
								974	36	13.9503	24.0120	25†	25.0921	12.1468	65 309 9.5
								975	64§	8.8889	25.5096	42§	19.9846	13.4661	65 305 8.5
								976	4*	12.4834	25.5165	6*	23.5737	13.6008	
									42	2.3884	15.3670				64 350 9.3
R.A. 2 <sup>h</sup> 33 <sup>m</sup> to 2 <sup>h</sup> 42 <sup>m</sup>															
Centre R.A. 2 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				Centre R.A. 2 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 2 <sup>h</sup> 51 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup>							
Plate 1610. 1893, Nov. 17.				Plate 2404. 1894, Nov. 30.				Centre R.A. 2 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			
								Plate 1640. 1893, Dec. 1.				Plate 724. 1893, Jan. 4.			
908	24	22.8749	14.0888	28*	11.4670	1.8764		977	76§	22.1953	14.9679	52§	10.9358	2.8022	64 367 7.7
909	21	23.7319	15.1766	16	12.3594	2.9330		978	38	22.6067	14.2703	18	11.3249	2.0919	
910	44	25.2042	15.4011	44§	13.8355	3.1066	64 350 9.3	979	58§	21.0806	15.9836	44§	9.8583	3.8562	64 365 8.0
911	50§	19.8220	17.6293	52§	8.5341	5.5165	65 289 8.4	980	22	23.3164	15.7225	10	12.0832	3.5184	
912	46§	21.3560	17.6359	46§	10.0669	5.4688	65 291 8.7	981	10*	23.9487	15.9887				
913	39	23.4776	17.4773	44§	12.1832	5.2425	65 294 9.3	982	18	17.4435	17.7618	9	6.2876	5.7667	
914	46	25.1660	17.8793	40§	13.8833	5.5873	65 297 9.4	983	28	15.2409	18.7762	10	4.1229	6.8566	65 312 9.5
915	18	16.9569	18.3032	16*	5.6939	6.2912		984	24	15.3684	18.9018	8	4.2511	6.9790	
916	42§	14.9330	19.2588	44§	3.7063	7.3140	65 286 9.1	985	12	17.1485	18.3009	6*	6.0148	6.3153	
917	10	18.3266	19.3406	10*	7.0997	7.2768									
918	26	19.2167	19.9511	22*	8.0077	7.8583									
919	44§	21.2854	19.2257	42§	10.0512	7.0655	65 290 8.9								
920	34	21.6975	19.6858	28§†	10.4798	7.5077									
921	16	14.8636	20.1777	14*	3.6664	8.2323									
922	41	23.5021	20.3167	38§	12.3011	8.0774	65 295 9.2								
923	16	17.8366	21.2171	18*	6.6732	9.1720									
924	18	22.6864	21.0180	21*	11.5127	8.8108	65 293 9.4								
925	12	20.4317	22.5335	12*	9.3137	10.4013									
926	47	25.0768	22.0749	44§	13.9352	9.7792	65 298 9.2								
927	34	17.4809	23.1599	32*	6.3808	11.1233	65 287 9.5								
928	36	17.4962	23.7537	28	6.4197	11.7159									
929	34	17.6297	23.8183	28*	6.5539	11.7782	65 288 9.5								
930	18	18.8839	23.3484	14*	7.7904	11.2661									
931	24	19.4465	23.7374	18*	8.3691	11.6356									
932	20	14.4788	24.2555	18*	3.4194	12.3222									
933	34	14.9441	24.1179	32§	3.8827	12.1656	65 285 9.5								
934	37	24.7992	24.8661	36§	13.7528	12.5762	65 296 9.4								
				34§	2.4553	4.6111	65 284 8.2								
				38§	2.4757	4.6017	65 284 8.2								

Plate 2404. The 3<sup>m</sup> images on this plate are, in general, of about the same size as the 20<sup>s</sup> images. The observer noted that the sky cleared suddenly, and clouded soon after the plate was taken. Presumably clouds were passing during the 3<sup>m</sup> exposure.

1 réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.



Z O N E + 65°.

R.A. 2 <sup>h</sup> 51 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 9 <sup>m</sup> to 3 <sup>h</sup> 18 <sup>m</sup>									
Centre R.A. 2 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 1640. 1893, Dec. 1.				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 724. 1893, Jan. 4.				Centre R.A. 3 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 748. 1893, Feb. 5.				Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2418. 1894, Dec. 19.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No. Mag.								No. Mag.		
986	30	20'2003	18'9356	20	9'0855	6'8393	°	m.	1037	28§	22'9361	14'7293	36	11'5331	2'5739	°	m.
987	8*	20'7164	18'6590	4*	9'5825	6'5481			1038	12	20'9834	15'0280	10	9'5919	2'9379		
988	32	22'0749	18'2467	28	10'9309	6'0861	65 318	9'5	1039	46§	22'8665	15'2997	50§	11'4822	3'1479	64 390	9'0
989	17†	24'4562	18'1916	8	13'3077	5'9438			1040	12	25'3068	15'0839	16	13'9143	2'8448		
990	16†	16'4883	19'4991	6*	5'3957	7'5355			1041	42§	14'7636	16'0132	46§	3'4097	4'1466	64 382	9'1
991	22†	21'1949	19'5467	16	10'0982	7'4152			1042	12	21'4790	16'3973	10	10'1355	4'2924		
992	19*	22'5792	19'6978	12	11'4864	7'5163			1043	14	23'5859	16'8979	18	12'2580	4'7172		
993	14†	17'3889	20'8579	10	6'3434	8'8630			1044	144§	16'7885	17'3857	166§	5'4806	5'4439	65 340	4'5
994	10*	24'7879	20'0852						1045	10	18'0003	17'8796	10	6'7131	5'8956		
995	20†	14'7890	21'2274	14	3'7587	9'3263			1046	12	18'6835	17'9402	16	7'3964	5'9319		
996	12*	21'7685	21'2464	6	10'7345	9'0932			1047	18	25'2100	17'5805	24	13'9101	5'3402		
997	16*	20'7284	22'8653	8	9'7516	10'7475			1048	12	20'2131	18'4911	16†	8'9440	6'4309		
998	34	16'7212	23'3752	20	5'7695	11'4017	65 314	9'2	1049	24§	14'2068	19'7991	28	2'9892	7'9507		
999	52§	19'1668	23'9005	34§	8'2284	11'8373	65 315	9'3	1050	22§	17'6284	19'1219	30	6'3844	7'1510		
1000	18*	19'5182	23'7942	10	8'5762	11'7214			1051	42§	19'3517	20'9358	42§	8'1707	8'9039	65 341	9'3
1001	28	20'3555	23'3048	20	9'3946	11'2031	65 316	9'5	1052	12	21'9164	20'2629	14	10'7114	8'1400		
1002	38	21'9101	23'2927	24	10'9461	11'1335	65 317	9'2	1053	20	14'5920	21'1772	23	3'4238	9'3133		
1003	30	22'0848	23'5154	20	11'1260	11'3496	65 319	9'3	1054	14	20'8659	21'6479	18	9'7099	9'5615		
1004	14*	23'7148	23'6257	12	12'7623	11'4008	65 320	9'5	1055	30§	15'1265	23'7160	30	4'0514	11'8308	65 339	9'5
1005	16	20'2740	25'1269						1056	12	16'4342	23'9152	16	5'3635	11'9855		
1006	24	23'6521	25'6561	16	12'7692	13'4336	65 321	9'5	1057	42§	19'3641	23'3898	36§	8'2682	11'3553		
				38§	2'2877	10'9005	65 308	8'6	1058	12	22'6750	23'6100	20	11'5851	11'4612		
R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 9 <sup>m</sup>								R.A. 3 <sup>h</sup> 18 <sup>m</sup> to 3 <sup>h</sup> 27 <sup>m</sup>									
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 65° Plate 748. 1893, Feb. 5.				Centre R.A. 3 <sup>h</sup> 9 <sup>m</sup> Dec. + 66° Plate 724. 1893, Jan. 4.				Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 65° Plate 2965. 1895, Dec. 3.				Centre R.A. 3 <sup>h</sup> 27 <sup>m</sup> Dec. + 66° Plate 2418. 1894, Dec. 19.					
1007	20	7'1625	14'9390	8*	18'5849	2'9402	°	m.					222§	2'4431	5'5424	65 338	6'5
1008	14	10'1009	14'9370														
1009	12	5'0020	15'3578														
1010	16	5'3443	15'9502	10†	16'7336	3'8865											
1011	16	9'2823	16'3668														
1012	30	8'3147	17'2044	18	19'6549	5'2473											
1013	12	8'3811	17'5126														
1014	28	12'1352	17'5067	12	23'4647	5'6879											
1015	86§	13'7494	17'3752	94§	25'0813	5'6175	65 338	6'5									
1016	20	4'8207	18'3359	16	16'1207	6'2523	65 323	9'0									
1017	16	6'1130	18'2828	8	17'4139	6'2477											
1018	26	11'8239	18'3193	11	23'1213	6'4906											
1019	48§	6'0345	19'8132	44§	17'2844	7'7724	65 325	8'5									
1020	50§	7'5020	19'8512	42§	18'7452	7'8630	65 326	8'6									
1021	28§	8'4951	19'2008	22§	19'7632	7'2503	65 327	9'4									
1022	36§	9'3855	19'7206	28§	20'6352	7'7998	65 328	9'3									
1023	18	11'1730	19'9252	12*	22'4106	8'0728											
1024	10	7'5729	20'6501														
1025	14	9'5635	20'3047	8†	20'7861	8'3930											
1026	30§	10'9942	20'4515	22	22'2128	8'5920											
1027	16	5'9752	21'8307														
1028	36§	10'8767	21'9495	28§	22'0415	10'0843	65 331	9'5									
1029	33§	5'7527	22'6412	22	16'8943	10'5860	65 324	9'4									
1030	12	10'7675	22'6593	8†	21'9048	10'7904											
1031	17	3'3702	23'6134	10	14'4760	11'4723											
1032	48§	9'5918	24'2540	38§	20'6721	12'3406	65 329	9'0									
1033	46§	10'3343	24'1727	38§	21'4185	12'2845	65 330	8'5									
1034	21	11'0335	24'6772	12	22'0981	12'8149											
1035	9	7'9136	25'4407														
1036	34§	12'6734	25'4444	30§	23'7052	13'6434	65 337	9'3									
					</												

No. 1037 is not given in the B.D. It is No. 2957 in the *Helsingfors (A. G.) Catalogue*. The magnitude is given as 9.5.

x réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

ZONE + 65°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.
<b>R.A. 3<sup>h</sup> 18<sup>m</sup> to 3<sup>h</sup> 27<sup>m</sup>—contd.</b>								
Centre R.A. 3 <sup>h</sup> 27 <sup>m</sup> Dec. +65°				R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. +66°				
Plate 2965. 1895, Dec. 3.				Plate 2418. 1894, Dec. 19.				
I088	16	5'4351	18'7007	8*	16'6713	6'5602	°	m.
I089	18	13'1017	18'5942					
I090	44§	5'3213	19'5650	46§	16'5264	7'4191	65 346	8·8
I091	30§	9'9490	19'3373	30	21'1612	7'3545		
I092	14	12'2527	19'0082					
I093	32§	9'5670	20'8286	30	20'7247	8'8315		
I094	18	4'7017	21'4317	10†	15'8388	9'2609		
I095	18§	6'2036	21'6134	14	17'3370	9'4976		
I096	26§	12'0032	21'6916	26	23'1331	9'7799		
I097	34	12'2015	21'9745	33§	23'3189	10'0692	65 349	9'5
I098	14	12'8948	21'2954					
I099	26§	7'2125	22'1279	20	18'3276	10'0492		
I100	22§	11'1453	22'1955	14	22'2563	10'2502		
I101	12	12'2832	22'3607					
I102	14	5'3374	23'4311					
I103	8	10'0837	23'2181					
I104	18§	7'2958	25'3079	20	18'3026	13'2300		
I105	52§	9'1715	25'5401	44§	20'1659	13'5274	65 347	8·0
I106	40§	13'9099	25'2907	41§	24'9084	13'4414	65 350	9'5
				I09§	26'9345	2'4622	64 398	8·5
				55	27'1157	7'9400	65 352	8·5
	75§	2'8328	24'4628				65 345	7·0

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.
<b>R.A. 3<sup>h</sup> 27<sup>m</sup> to 3<sup>h</sup> 36<sup>m</sup>—contd.</b>								
Centre R.A. 3 <sup>h</sup> 27 <sup>m</sup> Dec. +65°				R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. +66°				
Plate 2965. 1895, Dec. 3.				Plate 2419. 1894, Dec. 19.				
I137	18§	17'2023	21'5514	8*	6'0355	9'5606	°	m.
I138	11	23'1392	21'7662	10*	11'9755	9'5589		
I139	47§	23'1316	21'9944	52§	11'9770	9'7886	65 358	8·0
I140	13*	24'8258	21'4864	8†	13'6552	9'2171		
I141	18	14'7319	22'3438					
I142	24§	15'9955	22'6663	12*	4'8750	10'7202		
I143	12	17'2527	22'4343					
I144	24§	19'4417	22'4154	18	8'3060	10'3421		
I145	36§	20'6334	22'0159	40§	9'4850	9'8988	65 356	9'4
I146	60§	23'3956	22'0882	78§	12'2451	9'8707	65 359	8·1
I147	22	17'7796	23'0702	16†	6'6738	11'0569		
I148	58§	21'1233	23'6446	80§	10'0335	11'5102	65 357	8·0
I149	9	21'5227	23'1814					
I150	18	20'6336	24'6579	12†	9'5825	12'5404		
I151	14†	20'9334	24'0077	8	9'8565	11'8754		
I152	22§	21'3630	24'6178	32	10'3066	12'4749		
I153	39§	19'0278	25'8988	44§	8'0246	13'8379	65 355	9'1
I154	12*	20'2417	25'5250	14	9'2166	13'4181		
I155	18	22'3525	25'6956	18	11'3360	13'5160		
I156				20	9'3753	13'9275		
I157	16†	23'5217	26'1290	24	12'5193	13'9056	65 360	9'5

Nos. 1168, 1169. These two stars appear as one mass on plate 2419.

1 réseau interval represents very nearly  $5' = 47^s.3$  of R.A. at Dec.  $+ 65^\circ$ , and  $49^s.2$  at Dec.  $+ 66^\circ$ .



## ZONE + 65°.

R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 45 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 54 <sup>m</sup> to 4 <sup>h</sup> 3 <sup>m</sup> —contd.											
Centre R.A. 3 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°							
Plate 2367. 1894, Nov. 19.				Plate 2419. 1894, Dec. 19.				Plate 2981. 1896, Jan. 28.				Plate 2370. 1894, Nov. 19.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.				
							No.	Mag.								No.	Mag.		
1188	12	7.1562	23.0076	24†	18.2870	11.0345	°	m.	1233	70§	6.7599	16.9990	84§	18.1214	4.8569	65° 391	6.6		
1189	26	8.7393	23.2620	30	19.8632	11.3456			1234	12	10.8611	16.5492							
1190	10†	9.0868	23.8881	12*	20.1865	11.9818			1235	18	2.8764	17.9718	20	14.2029	5.6917				
1191	8	9.1006	23.8748	10*	20.2034	11.9693			1236	10	5.6157	17.1745							
1192	8*	3.6880	24.9469	10	14.7511	12.8609			1237	10	8.1883	17.7841	8*	19.5203	5.6988				
1193	8*	4.7156	24.4335	14	15.7976	12.3794			1238	12	8.1978	17.3273	10*	19.5437	5.2394				
1194	42§	4.8204	24.2504	46§	15.9122	12.1998	65	362	9.0	1239	12	8.3244	18.7311	10	19.6218	6.6483			
1195	20	12.2634	24.7682	20	23.3309	12.9703			1240	10	8.3356	18.3781	12	19.6443	6.2965				
1196	21	5.2677	25.7401	32	16.3109	13.7020			1241	6	8.3446	18.3805	12	19.6524	6.2957				
1197	57§	5.9124	25.7654	50§	16.9542	13.7491	65	363	8.9	1242	12	9.1737	18.5503	8†	20.4751	6.4984			
1198	51§	5.9755	25.5881	44§	17.0222	13.5721	65	364	9.0	1243	14	10.4592	18.6651	12†	21.7563	6.6622			
1199	32	8.2905	25.2151	34	19.3464	13.2848			1244	12	13.7852	18.5234	8*	25.0864	6.6427				
R.A. 3 <sup>h</sup> 45 <sup>m</sup> to 3 <sup>h</sup> 54 <sup>m</sup>								1245	11	3.3289	19.3647	16	14.6033	7.0997					
Centre R.A. 3 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°							
Plate 2367. 1894, Nov. 19.				Plate 2370. 1894, Nov. 19.				Plate 2981. 1896, Jan. 28.				Plate 2370. 1894, Nov. 19.							
1200	14	14.2708	15.3118				°	m.	1251	40§	8.0355	20.9710	46§	19.2510	8.8756	65	392	8.5	
1201	16	14.4413	15.0301						1252	12	10.6536	20.5777	10	21.8808	8.5787				
1202	68§	16.2964	15.3002	76§	4.8930	3.2760	64	414	8.3	1253	6	13.4161	20.1974						
1203	16	20.5057	15.8938	10†	9.1224	3.7156			1254	16	3.4730	21.3557	34§	14.6747	9.0911	65	387	9.5	
1204	28	17.4506	16.4206	24	6.0893	4.3518			1255	18	4.8551	21.9252	34	16.0343	9.7135				
1205	38§	18.2394	16.5381	36	6.8832	4.4392			1256	8	5.4626	21.9195	10	16.6422	9.7296				
1206	14	18.9682	16.2703						1257	8†	8.9149	21.8866	10	20.0985	9.8238				
1207	24	14.5226	17.8518	20†	3.2138	5.8900			1258	12	10.2099	21.4133	10	21.4090	9.3976				
1208	72§	19.5994	17.4479	74§	8.2746	5.2994	65	381	8.0	1259	22	3.1653	22.8868	40§	14.3139	10.6121	65	386	9.4
1209	26	19.6153	17.9903	22	8.3065	5.8398			1260	12	5.1450	22.3723	18	16.3115	10.1717				
1210	18	22.6232	17.6178	18	11.2980	5.3598			1261	38§	6.8136	22.1261	44§	17.9861	9.9855	65	390	8.8	
1211	14	18.6561	18.2562	12†	7.3636	6.1409			1262	20	12.5372	22.7052	24	23.6843	10.7742				
1212	22	21.7864	18.1831	20	10.4860	5.9522			1263	18	7.0927	24.1831	36	18.1882	12.0502				
1213	32§	14.9481	19.4476	30	3.6967	7.4680	65	376	9.5	1264	14	8.8319	24.8403	28	19.9036	12.7714			
1214	46§	18.7057	19.5881	44§	7.4592	7.4704	65	379	9.2	1265	10	11.7019	25.9132	8*	22.7337	13.9502			
1215	24	19.0753	19.0771	24	7.8075	6.9481	65	380	9.4										
1216	24	20.0611	19.9796	26	8.8243	7.8126							131§	26.1719	10.2551	65	394	8.2	
1217	34§	14.3917	21.8893	26	3.2300	9.9265	65	375	9.5	R.A. 4 <sup>h</sup> 3 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup>									
1218	16	16.4431	21.5387	12	5.2686	9.5049			Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°						
1219	52§	20.1499	21.0017	48§	8.9531	8.8311	65	382	8.7	Plate 2981. 1896, Jan. 28.				Plate 2986. 1896, Feb. 2.					
1220	24	22.3449	21.0505	24	11.1444	8.8008			1266	12	14.8639	14.4412							
1221	28	24.2681	21.2822	22	13.0786	8.9633			1267	40§	22.0843	14.1598	42§	10.8146	1.8999	64	432	8.5	
1222	28	15.6760	22.8324	30	4.5472	10.8255			1268	16	22.0882	14.9277	18	10.8456	2.6689				
1223	36§	16.2158	22.0444	26§	5.0563	10.0168			1269	8	23.6718	14.1766							
1224	34§	16.2844	23.3679	30	5.1752	11.3380	65	377	9.4	1270	34§	19.4838	15.1302	28	8.2494	2.9598	64	431	9.5
1225	44§	18.2593	24.1247	42§	7.1752	12.0215	65	378	9.0	1271	10	21.9076	15.0708						
1226	36	23.6023	24.6943	32§	12.5334	12.3947	65	385	9.5	1272	10	22.0768	15.5039						
1227	20	16.2175	25.1559	20	5.1717	13.1258			1273	10	23.6868	15.4493	14	12.4620	3.1333				
1228	51§	22.3361	25.4078	42§	11.2963	13.1534	65	383	9.3	1274	21	24.8447	15.5740	30	13.6207	3.2167			
				170§	0.7757	4.8020	65	373	7.5	1275	18	17.2091	16.8596	16	6.0360	4.7688			
R.A. 3 <sup>h</sup> 54 <sup>m</sup> to 4 <sup>h</sup> 3 <sup>m</sup>								1276	16	21.8204	16.1391	16	10.6199	3.8866					
Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°							
Plate 2981. 1896, Jan. 28.				Plate 2370. 1894, Nov. 19.				Plate 2981. 1896, Jan. 28.				Plate 2370. 1894, Nov. 19.							
1229	14	3.8570	14.6683				°	m.	1277	8	21.1465	17.5310							
1230	14	5.1744	14.1596						1278	10	17.5076	18.6808	12	6.4037	6.5827				
1231	12	6.2450	14.5551						1279	30	22.9745	18.3470	30§	11.8535	6.0502				
1232	26§	5.1825	15.6854	36§	16.5892	3.4864	65	388	9.5	1280	14	19.5958	19.9692	16	8.5332	7.7943			
									1281	14	20.9072	19.0767	8	9.8107	6.8526				
									1282	14	23.5735	19.3904	20	12.4847	7.0766				
									1283	11	25.0977	19.2636	14	14.0066	6.8944				

1 réseau interval represents very nearly 5' = 47.3 of R.A. at Dec. + 65°, and 49.2 at Dec. + 66°.

## Z O N E + 65°.

R.A. 4 <sup>h</sup> 3 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 21 <sup>m</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 4 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			
Plate 2981. 1896, Jan. 28.				Plate 2986. 1896, Feb. 2.				Plate 2369. 1894, Nov. 19.				Plate 2986. 1896, Feb. 2.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
1284	14	19.4647	20.1602	14	8.4097	7.9880	° m.	1337	16†	12.9586	23.1575	10	24.1645	11.2936	° m.
1285	19	23.3145	21.6600	26§	12.3057	9.3564		1338	12	6.5825	24.3245	16	17.7461	12.2131	
1286	40§	15.0027	22.0990	40§	4.0169	10.0820	65 394 8.2	1339	13	11.0146	24.4570	18	22.1712	12.5190	
1287	22	18.4010	22.2202	24	7.4153	10.0860		1340	48§	10.9834	25.5900	42§	22.0944	13.6452	65 407 8.9
1288	22	19.5040	22.5107	22	8.5256	10.3389		1341				12†	24.1683	13.1091	
1289	8	20.1248	22.3640	8	9.1458	10.1692		1342	48§	13.1637	24.9591	42§	24.2969	13.1036	65 409 8.1
1290	24	20.3424	23.9183	34§	9.4157	11.7143	65 397 9.3								
1291				14	12.3201	11.9488			29	10.7208	26.3399				65 406 9.3
1292	12	17.5347	24.3778	18	6.6245	12.2720		R.A. 4 <sup>h</sup> 21 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup>							
1293	7†	18.3651	24.4831	8	7.4617	12.3507		Centre R.A. 4 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			
1294	13†	22.6006	24.6861	18	11.6999	12.4001		Plate 2369. 1894, Nov. 19.				Plate 2987. 1896, Feb. 2.			
1295	10	16.0574	25.0561	12	5.1759	13.0040		1343	12	15.6302	14.2933				° m.
1296	10	16.0757	25.0555	10	5.1929	13.0021		1344	38§	15.7426	14.3086	18§	4.4240	2.4013	64 456 8.8
1297	37§	16.5263	25.5816	38§	5.6635	13.5134	65 396 8.3	1345	48§	23.5906	14.8011	48§	12.2822	2.6469	64 467 8.7
1298	22	21.2142	25.8285	28§	10.3514	13.5939		1346	10†	24.4365	14.2307	10†	13.1113	2.0510	
1299				14	11.9387	13.3474		1347	42§	16.0969	15.5004	24§	4.8154	3.5817	65 412 9.2
R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 21 <sup>m</sup>								1348	34§	17.8618	15.2508	14§	6.5692	3.2772	65 415 9.2
Centre R.A. 4 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				1349	24§	17.9951	15.4021	10	6.7084	3.4233	
Plate 2369. 1894, Nov. 19.				Plate 2986. 1896, Feb. 2.				1350	36§	23.8631	16.4721	30§	12.6085	4.3088	65 420 9.4
1300	40§	13.2328	13.9697	15†	24.7873	2.1259	64 447 9.5	1351	14	24.5889	16.1505	14	13.3219	3.9651	65 422 9.5
1301	46§	5.5031	14.0395	44§	17.0643	1.8937	64 437 8.1	1352	14	16.7395	17.2634	12	5.5139	5.3206	
1302	18	6.1822	14.6283	8†	17.7202	2.5094		1353	24§	19.2177	17.2408	16	7.9874	5.2229	
1303	22	8.6649	14.5491	10†	20.2037	2.5285		1354	12	21.4583	17.9315	12	10.2495	5.8421	
1304	20	11.7158	14.6314					1355	12	23.0650	17.7474	12	11.8512	5.6061	
1305	26	13.0790	14.1079					1356				8	12.9250	5.7955	
1306	16	13.7057	14.9982					1357	16	14.2964	18.9317	12	3.1258	7.0670	
1307	38§	7.2240	15.7473	26§	18.7204	3.6693	65 402 9.1	1358	28§	19.1439	19.2605	22	7.9777	7.2453	
1308	26	12.5150	15.6704					1359				6	12.2972	7.1678	
1309	42§	4.1322	16.8213	32§	15.5865	4.6240	65 399 9.2	1360	24	19.5031	20.5036	18	8.3765	8.4740	
1310	20	7.0449	16.7920	16†	18.5003	4.7070		1361	14†	19.7359	20.6309	12	8.6134	8.5938	
1311	22	7.0644	16.9502	16	18.5129	4.8633		1362	47§	23.7462	20.9378	36§	12.6234	8.7754	65 419 9.2
1312	40§	10.0072	16.8573	32§	21.4574	4.8843	65 405 9.5	1363	12	17.4014	21.0775	12	6.2940	9.1159	
1313	16	13.7222	16.7701					1364	14†	20.3776	21.6971	12	9.2867	9.6400	
1314	22	8.1024	17.9490	14	19.5119	5.8995		1365	34	20.6522	21.7448	20§	9.5624	9.6808	65 416 9.5
1315	20	8.1558	17.5507	8†	19.5827	5.5089		1366	8	18.8124	22.5022	10	7.7477	10.4938	
1316	40§	13.4118	17.0499	34§	24.8533	5.2073	65 410 9.5	1367				8	12.5561	10.5603	
1317	18	13.6872	17.4259					1368				8	13.3846	10.5664	
1318	26	7.3386	18.1015	14	18.7433	6.0247		1369	39§	24.4852	22.7426	26§	13.4255	10.5535	65 421 9.0
1319	12	13.4911	18.9102					1370	24§	17.3368	23.4709	20	6.3049	11.5078	65 414 9.5
1320	17	2.6418	19.1512	14	14.0064	6.8955		1371	12†	16.9593	24.2536	12	5.9502	12.3045	
1321	32§	6.2689	19.4839	22	17.6200	7.3685		1372	20	18.1079	24.8728	20§	7.1191	12.8821	
1322	10	11.0658	19.8690					1373				8	9.9620	12.2697	
1323	18	12.1753	19.3691	12†	23.5289	7.4769		1374				8	13.3180	12.7131	
1324	42§	6.5640	20.4872	36§	17.8797	8.3788	65 401 9.2	1375				8	13.9417	12.2501	
1325	40§	8.0071	20.6042	32§	19.3144	8.5536	65 404 9.4	1376	14†	14.1371	25.1278	12	3.1631	13.2650	
1326	14	9.4066	20.7552	16	20.7095	8.7573		1377	12	20.3353	25.2908	14	9.3582	13.2333	
1327	20	11.9095	20.2488	10†	23.2273	8.3471		1378				14	12.1424	13.6802	
1328	12	5.6778	21.3998	10	16.9592	9.2570		1379				8	13.6878	13.7739	
1329	40§	11.7656	21.8650	26§	23.0262	9.9560	65 408 9.3								
1330	14	12.8302	21.1634	6*	24.1121	9.2944						30	2.8722	10.0754	65 411 8.7
1331	40§	13.9487	21.9302	30§	25.2024	10.1052	65 411 8.7					39§	2.1855	13.1297	65 409 8.1
1332	34	4.1072	22.5450	28§	15.3431	10.3392	65 398 9.3		50§	16.8564	26.5005				65 413 8.3
1333	14	8.6560	22.2494	12	19.9027	10.2195									
1334	28	12.4543	22.4124	18	23.6893	10.5287									
1335	40§	5.4831	23.0886	30§	16.6955	10.9369	65 400 9.2								
1336	46§	7.6356	23.5826	40§	18.8306	11.5118	65 403 9.2								



Z O N E + 65°.

1 réseau interval represents very nearly  $5' = 47^s.3$  of R.A. at Dec.  $+ 65^\circ$ , and  $49^s.2$  at Dec.  $+ 66^\circ$ .

## ZONE + 65°.

R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 4 <sup>h</sup> 57 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 4 <sup>h</sup> 57 <sup>m</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2968. 1895, Dec. 10.				R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2421. 1894, Dec. 19.				Centre R.A. 4 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2968. 1895, Dec. 10.				R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2421. 1894, Dec. 19.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
1478	6	3.5463	15.1297					1537	36§	6.7235	23.2020	44§	17.9626	11.2485	65° 445 9.0
1479	23§	3.6575	15.9648	24§	15.1617	3.9008		1538	20	8.6403	23.9960	22	19.8480	12.1083	
1480	30§	3.6739	15.9598	31§	15.1770	3.8971	65 443 9.3	1539	22§	11.3865	23.9700	24§	22.5937	12.1852	
1481	16	5.3331	15.5831	16	16.8468	3.5797		1540				16	14.3559	12.1280	
1482	16	6.7994	15.3354	13†	18.3238	3.3864		1541				14	14.7482	12.8648	
1483	12	6.8628	15.0035					1542				18	15.4931	12.5578	
1484	12	8.7415	15.1244					1543				6	16.5501	12.3578	
1485	6	10.7870	15.4679					1544	4*	7.4994	24.8350	8	18.6774	12.9071	
1486	6	13.2333	15.2547					1545	11	7.6766	24.6038	26	18.8646	12.6803	
1487	25	3.1345	16.8702	34§	14.6061	4.7861	65 442 9.5	1546	28§	9.0908	24.1304	36§	20.2923	12.2599	
1488	16	6.2297	16.5987	11†	17.7096	4.6273		1547	16	10.2707	24.4668	20	21.4580	12.6397	
1489	48§	6.7218	16.5040	48§	18.2057	4.5512	65 446 8.9	1548	10	10.9150	24.1185	10†	22.1160	12.3128	
1490	14	8.5755	16.4494	13*	20.0540	4.5646		1549	12	11.5729	24.5884	18	22.7540	12.8059	
1491	8	8.7181	16.2627					1550	24§	12.4028	24.3904	17	23.5940	12.6409	
1492	20	9.3138	16.4879	20	20.7935	4.6285		1551	12	12.5360	24.2868	7	23.7317	12.5401	
1493	22	9.7002	16.6450	18	21.1747	4.7992		1552	18	13.6233	24.9998	14*	24.7931	13.2931	
1494	8	10.1128	16.4132					1553	15	6.8656	25.3109	22	18.0247	13.3602	
1495	6	13.6705	16.0526					1554	8*	6.8927	25.2971	16	18.0527	13.3459	
1496	25§	2.7661	17.6181	34§	14.2095	5.5216	65 441 9.4	1555	27§	8.1800	25.0278	40§	19.3510	13.1222	65 448 9.5
1497	14	5.0535	17.8487	10†	16.4856	5.8348		1556	12	7.6691	25.9175	22	18.8070	13.9967	
1498	8	8.3742	17.6800	9*	19.8114	5.7876									
1499	16	8.9978	17.1637	10	20.4514	5.2922			67§	2.3179	15.5085				65 439 7.4
1500	12	9.8937	17.6385	9*	21.3317	5.8007		R.A. 4 <sup>h</sup> 57 <sup>m</sup> to 5 <sup>h</sup> 6 <sup>m</sup>							
1501	16	10.8513	17.8325	9	22.2811	6.0298		Centre R.A. 4 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2968. 1895, Dec. 10.				R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 1762. 1894, Jan. 30.			
1502	18	4.7839	18.9200	22	16.1781	6.8950		1557	10	16.9267	13.9833				
1503	44§	8.5391	18.9793	44§	19.9307	7.0945	65 449 8.3	1558	18	19.6264	13.9776	11	8.2739	1.9887	
1504	30§	8.8226	18.8938	30§	20.2175	7.0173		1559	12	15.3502	14.5211				
1505	16	12.4661	18.5012	10	23.8688	6.7578		1560	18	16.4827	14.9900	12*	5.1639	3.1100	
1506	26§	12.7892	18.0698	30§	24.2127	6.3385	65 452 9.4	1561	20	21.2559	14.7627	14	9.9277	2.7163	
1507	20	13.2249	18.7185	20†	24.6239	7.0032		1562	20	21.3883	14.4187	14	10.0461	2.3702	
1508	20	4.7209	19.5822	30	16.0913	7.5550		1563	6	22.1082	14.1472				
1509	22	6.1304	19.6652	24	17.4965	7.6912		1564	36§	22.2184	14.9848	44§	10.8950	2.9067	65 462 9.5
1510	40§	10.3243	19.9366	42§	21.6805	8.1148	65 450 9.0	1565	14	23.0894	14.7210	16	11.7555	2.6089	
1511	20	10.8350	19.2696	18	22.2129	7.4660		1566	18	15.9147	15.9494	13†	4.6321	4.0858	
1512	8	11.5475	19.3108					1567	24	17.3528	15.9513	19	6.0706	4.0407	
1513	24§	12.0806	19.2476	32§	23.4602	7.4892		1568	8	17.7332	15.7952				
1514	12	4.4183	20.9402	12	15.7360	8.9033		1569	8	19.5773	15.0440				
1515	20	4.6019	20.8333	26	15.9266	8.8003		1570	6	20.1210	15.9740				
1516	9	9.0724	20.7754	6	20.3983	8.9073		1571	20	24.0008	15.7400	12	12.7065	3.5967	
1517	16	12.5698	20.2333					1572	27	25.1647	15.1358	34§	13.8453	2.9535	
1518	12	13.5233	20.9688					1573	16	15.4228	16.1271				
1519	20	6.8795	21.6004	24	18.1736	9.6530		1574	8	16.6401	16.2077				
1520	14	6.9944	21.2148	12†	18.3018	9.2710		1575	38§	19.6188	16.3198	44§	8.3469	4.3283	65 458 9.3
1521	28§	9.6654	21.0098	26	20.9840	9.1614		1576	8	19.9774	16.7623				
1522	12	9.9338	21.1745	6*	21.2466	9.3358		1577	18	20.6148	16.6033	20§	9.3505	4.5769	
1523	8	11.0049	21.6759	7†	22.2987	9.8762		1578	19	24.8864	16.3385	30§	13.6084	4.1647	
1524	16	11.4840	21.5150	8†	22.7802	9.7352		1579	8	14.9467	17.6113				
1525	32§	12.0640	21.9121	33§	23.3443	10.1504	65 451 9.4	1580	30§	16.7895	17.3174	36§	5.5528	5.4270	65 454 9.5
1526	14	4.5633	22.9915	20	15.8085	10.9565		1581	12	17.9571	18.9174	10	6.7754	6.9830	
1527	19	4.5793	22.7574	24	15.8326	10.7257		1582	8	18.0303	18.7070				
1528	20	7.8373	22.0192	24	19.1168	10.1064		1583	20	18.5022	18.7657	18	7.3150	6.8110	
1529	11	7.9409	22.2994	16	19.2097	10.3883		1584	8	19.0874	18.5448				
1530	24	10.8660	22.1784	14	22.1392	10.3720		1585	12	19.6541	18.9797	12	8.4717	6.9870	
1531	6	12.5825	22.8448					1586	8	22.5188	18.5219	14	11.3201	6.4290	
1532	42§	13.1128	22.0897	49§	24.3874	10.3670	65 453 9.0	1587	38§	22.8540	18.2195	42§	11.6446	6.1158	65 465 9.5
1533	9	3.1288	23.4637	18	14.3571	11.3757									
1534	9	4.7527	23.8806	20	15.9650	11.8516									
1535	10	6.1150	23.2532	18	17.3501	11.2739									
1536	25	6.4749	23.9717	30§	17.6855	12.0073	65 444 9.5								



## ZONE + 65°.

R. A. 4 <sup>h</sup> 57 <sup>m</sup> to 5 <sup>h</sup> 6 <sup>m</sup> —contd.								R. A. 5 <sup>h</sup> 6 <sup>m</sup> to 5 <sup>h</sup> 15 <sup>m</sup>							
Centre R. A. 4 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°				R. A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				Centre R. A. 5 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R. A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			
Plate 2968. 1895, Dec. 10.				Plate 1762. 1894, Jan. 30.				Plate 1650. 1893, Dec. 1.				Plate 1762. 1894, Jan. 30.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

## ZONE + 65°.

R.A. 5 <sup>h</sup> 15 <sup>m</sup> to 5 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 24 <sup>m</sup> to 5 <sup>h</sup> 33 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R.A. 5 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			
Plate 1650. 1893, Dec. 1.				Plate 2979. 1896, Jan. 17.				Plate 3018. 1896, Feb. 22.				Plate 2979. 1896, Jan. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
1687	16	14°57'23	15°02'95	14†	3°56'19	3°16'82		1736	14	11°90'46	15°63'66				
1688	6	16°31'12	15°15'15	8*	5°30'10	3°22'89		1737	8	13°78'41	15°17'06				
1689	16	17°75'06	15°17'34	8	6°74'30	3°20'02		1738	30§	3°37'64	16°66'16	30§	15°00'30	4°63'97	
1690	48§	17°75'45	15°92'97	40§	6°77'46	3°95'58	65 472 9.5	1739	16	4°06'52	16°68'91	12	15°68'68	4°69'11	
1691	16	20°56'85	16°51'82	16	9°60'75	4°44'15		1740	20	6°53'87	16°66'68	18	18°16'33	4°75'63	
1692	47§	24°64'14	16°65'17	38§	13°68'57	4°43'39	65 477 9.5	1741	28§	6°60'48	16°86'05	30	18°22'11	4°95'43	
1693	22	15°34'84	17°46'92	20§	4°42'49	5°58'02		1742	14	10°66'60	16°53'44	12	22°29'14	4°77'81	
1694	12†	22°94'55	17°41'84	16	12°01'32	5°25'84		1743	14	5°06'22	17°14'89	8	16°66'57	5°18'78	
1695	20	15°49'95	18°79'36	18	4°62'26	6°89'99		1744	14	7°50'35	17°37'61	10†	19°10'03	5°50'41	
1696	8	17°77'33	18°41'28	12	6°88'21	6°43'86		1745	16	10°64'40	17°24'28	10†	22°23'84	5°48'76	
1697	12*	19°27'88	18°03'92	14	8°37'13	6°01'05		1746	14	11°13'08	17°80'78	12*	22°70'46	6°06'98	
1698	8†	20°59'94	18°73'48	14	9°71'86	6°65'92		1747	14	11°22'78	17°81'14	10	22°80'29	6°07'64	
1699	8†	16°61'84	20°12'85	12	5°78'62	8°19'06		1748	8	13°18'19	17°14'89				
1700	32§	16°60'50	20°70'04	22	5°79'39	8°76'63		1749	26§	13°27'22	17°09'80	31	24°87'26	5°43'71	
1701	34§	18°02'29	20°79'87	28§	7°21'53	8°81'03	65 473 9.5	1750	26§	10°87'27	18°37'44	20	22°42'83	6°62'57	
1702				10	8°17'62	8°62'52		1751	10	12°61'88	18°20'25				
1703	30§	21°01'76	20°15'78	24§	10°18'18	8°06'45	65 475 9.5	1752	10	12°70'57	18°59'85				
1704	12†	15°36'33	21°46'93	16	4°58'28	9°57'89		1753	22	4°11'96	19°79'72	22	15°62'94	7°79'88	65 479 9.5
1705	16†	17°44'00	21°17'80	18	6°64'84	9°21'15		1754	8†	4°56'89	19°42'34	6	16°09'43	7°44'47	
1706	38§	18°35'07	21°35'02	28§	7°56'51	9°35'25	65 474 8.6	1755	8*	4°62'01	19°32'65	8	16°14'64	7°34'78	
1707				8	8°20'70	9°14'44		1756	10	9°93'16	19°57'77	6*	21°44'47	7°79'27	
1708				10	9°32'27	10°95'90		1757	10	12°23'53	19°18'70				
1709				14	11°26'72	10°64'50		1758	16	12°97'55	19°44'16	15	24°49'12	7°76'94	
1710				6	5°96'57	11°38'45		1759	28§	13°08'73	19°13'24	30	24°61'66	7°46'42	
1711	30	15°15'43	24°55'31	26	4°48'27	12°66'59		1760	46§	5°02'21	20°64'09	44§	16°49'68	8°67'68	65 480 8.8
1712	12	16°12'16	24°18'63	18	5°43'58	12°26'45		1761	16	8°00'47	20°86'11	16	19°47'33	9°00'35	
1713				8	6°21'34	12°32'45		1762	12†	9°75'27	20°98'65	8†	21°21'27	9°19'63	
1714				14§	6°48'61	12°86'72		1763	12	11°46'46	20°14'21	8	22°95'60	8°41'34	
1715	38§	17°37'11	24°81'06	30	6°70'78	12°84'39		1764	10	12°73'60	20°18'50				
1716	47§	20°91'46	24°22'93	38§	10°22'57	12°13'83	65 476 9.0	1765				8	14°11'40	9°14'67	
1717	26	18°40'09	25°55'70	24	7°76'57	13°55'68		1766	10*	3°72'48	21°28'85	6	15°18'20	9°27'47	
1718				14	9°84'41	13°22'99		1767	10	4°24'16	21°13'62	6	15°70'02	9°13'96	
1719				12	13°39'57	13°13'13		1768	14	6°59'67	21°63'06	14	18°03'56	9°72'34	
1720	64	24°56'82	25°28'35	36§	13°91'52	13°06'01	65 478 8.8	1769	26	8°70'10	21°36'79	24	20°15'11	9°53'83	
	95§	26°70'88	14°03'18				64 534 7.7	1770	14	10°05'99	21°45'02	14	21°50'36	9°66'99	
	70§	26°60'10	14°81'82				64 533 8.8	1771	16	10°16'09	21°95'10	12†	21°58'47	10°17'55	
R.A. 5 <sup>h</sup> 24 <sup>m</sup> to 5 <sup>h</sup> 33 <sup>m</sup>								1772	12	12°90'85	21°97'03	10	24°32'73	10°29'83	
Centre R.A. 5 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				1773	76§	13°24'67	21°62'62	82§	24°68'41	9°96'21	65 485 6.0
Plate 3018. 1896, Feb. 22.				Plate 2979. 1896, Jan. 17.				1774	10	4°66'41	22°52'64	10	16°07'34	10°54'63	
1721	12	8°25'38	13°99'46	16	19°96'90	2°15'54		1775	40	6°11'34	22°30'96	38§	17°52'67	10°38'15	65 481 9.3
1722	20	3°75'88	14°92'91	20	15°44'41	2°92'12		1776	14	8°23'41	22°39'20	10	19°64'42	10°54'40	
1723	46§	3°87'47	14°53'40	46§	15°57'72	2°52'97	64 533 8.8	1777	7*	9°70'96	22°72'71	8	21°10'39	10°93'40	
1724	18	4°25'36	14°01'98	16†	15°97'23	2°03'06		1778	10	11°96'36	22°45'34				
1725	10	6°41'34	14°95'04					1779	14	12°59'36	22°66'66				
1726	52§	7°16'88	14°85'02	51§	18°85'73	2°96'55	65 482 8.0	1780	14†	5°42'17	23°89'58	14	16°77'47	11°94'23	
1727	16	7°48'43	14°80'79					1781	12†	2°70'70	24°52'60	10	14°04'09	12°47'38	
1728	16	10°82'38	14°29'46	6*	22°52'59	2°54'87		1782	12	3°62'32	24°92'66	10	14°94'17	12°90'74	
1729	14	11°79'70	14°19'28					1783	12	6°35'36	24°33'44	14	17°69'21	12°41'62	
1730	14	13°43'36	14°42'17					1784	34§	7°51'27	24°25'25	36§	18°85'53	12°37'51	65 483 9.5
1731	32§	13°92'71	14°82'72	46	25°61'13	3°19'40		1785	8	8°14'52	24°91'25	10	19°45'89	13°06'05	
1732	26§	13°95'28	14°84'60	28	25°63'62	3°21'23	65 486 8.8	1786	42§	12°01'16	24°32'69	34§	23°34'76	12°61'61	65 484 9.5
1733	16	5°36'22	15°87'53	18	17°01'40	3°92'40		1787				10	14°49'46	13°64'50	
1734	16	6°16'32	15°41'04	14	17°83'01	3°49'05		1788	18	7°12'55	25°71'41	14	18°41'41	13°82'22	
1735	10	6°41'25	15°79'17					1789				8	20°62'89	13°43'93	
									43§	2°60'24	25°11'81	63§	26°92'45	2°66'49	64 541 8.9
												59	15°65'65	1°73'85	64 534 7.7
															65 478 8.8



ZONE + 65°.

R.A. 5 <sup>h</sup> 33 <sup>m</sup> to 5 <sup>h</sup> 42 <sup>m</sup>									R.A. 5 <sup>h</sup> 33 <sup>m</sup> to 5 <sup>h</sup> 42 <sup>m</sup> —contd.										
Centre		R.A. 5 <sup>h</sup> 33 <sup>m</sup> Dec. +65°			R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. +66°					Centre		R.A. 5 <sup>h</sup> 33 <sup>m</sup> Dec. +65°			R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. +66°				
Plate 3018. 1896, Feb. 22.					Plate 797. 1893, Feb. 25.					Plate 3018. 1896, Feb. 22.		Plate 797. 1893, Feb. 25.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.							No.	Mag.		
1790	38S	15°21'66	14°25'34	64S	3°85'13	2°41'15	64°	541	8.9	1849									
1791	20S	17°87'25	14°92'53	24S	6°53'13	2°98'98				1850	12	20°67'36	23°90'25	12	9°47'92	11°69'69			
1792	30S	19°40'44	14°76'22	40S	8°05'36	2°76'69	65	492	9.3	1851	18	21°04'45	23°45'90	22	10°01'26	11°40'08			
1793	28S	20°12'62	14°81'91	36S	8°78'01	2°80'01	65	494	9.4	1852	20	22°56'02	23°11'17	24	11°51'21	11°00'03			
1794	10	20°96'14	14°32'99	6	9°59'25	2°28'45				1853				14	13°78'26	11°70'48			
1795	14	23°57'28	14°40'31	18	12°20'94	2°26'18				1854	14†	15°84'93	24°32'13	12	4°85'07	12°45'54			
1796	4	23°98'27	14°33'50	8	12°61'14	2°17'75				1855	10	17°17'29	24°10'35	14	6°16'43	12°18'99			
1797	20	25°11'24	14°23'30	22*	13°74'20	2°03'54				1856	12†	17°39'65	24°10'33	16	6°38'83	12°17'88			
1798	8	17°31'39	15°21'91	8†	5°98'67	3°30'49				1857	45S	17°60'07	24°75'73	48S	6°61'66	12°82'39	65 488 9.0		
1799	10	20°34'36	15°33'03	8*	9°01'21	3°30'76				1858				18	10°60'03	12°90'86			
1800	38S	21°35'27	15°46'45	44S	10°02'54	3°39'88	65	495	8.7	1859	39S	22°15'60	24°82'45	40S	11°16'92	12°72'65	65 496 9.2		
1801	8†	24°04'44	15°92'82	12	12°73'57	3°76'69				1860	14†	22°62'99	24°08'81	18	11°66'09	11°97'08			
1802	16	17°50'86	16°28'85	16	6°21'70	4°36'17				1861	30	17°62'39	25°33'97	28S	6°66'12	13°40'50			
1803	4	19°44'33	16°43'08	8	8°15'64	4°43'49				1862				14	9°21'43	13°67'00			
1804	30S	19°54'31	16°36'99	32S	8°25'35	4°37'02	65	493	9.5	1863	20	21°07'38	25°33'99	28S	10°11'02	13°28'16			
1805	14	19°63'14	16°96'03	12	8°36'26	4°95'74				1864				6	11°11'64	13°75'65			
1806				8	3°38'95	5°79'84				1865				14	12°43'23	13°54'68			
1807	22S	14°63'71	17°62'10	22	3°39'93	5°80'13								89S	2°15'05	9°85'48	65 485 6.0		
1808	16	14°88'43	17°59'57	22	3°63'92	5°76'76								50S	2°58'48	3°03'63	65 486 8.8		
1809	14	23°03'88	17°67'59	12	11°79'49	5°54'82											65 499 7.6		
1810	18	24°06'26	17°66'99	14	12°81'41	5°50'43											65 500 9.0		
1811				6	13°27'76	5°86'34					56S	25°62'02	15°68'31				66 409 9.2		
1812	14S	16°22'71	18°54'14	16	5°01'59	6°65'97					55S	25°81'35	16°93'03						
1813	16	21°71'87	18°94'48	14	10°52'16	6°86'61					38S	22°26'02	26°46'32						
1814	10†	21°97'61	18°34'00	14	10°75'45	6°25'34													
1815	10	23°02'00	18°82'27	14	11°81'42	6°69'76													
1816	10	14°64'07	19°26'86	24	3°46'23	7°44'86													
1817	22	21°04'31	19°76'81	24S	9°87'65	7°71'50													
1818	14	21°77'06	19°02'73	16	10°57'54	6°94'74													
1819				10	12°05'85	7°87'85													
1820	14	23°30'19	19°99'30	18	12°13'83	7°85'67													
1821				10	12°16'80	7°85'37													
1822				10	13°04'64	7°15'73													
1823	38S	17°74'00	20°77'19	44S	6°61'09	8°83'74	65	489	8.9	1866	12	3°15'93	14°76'79	10†	14°54'30	2°69'09			
1824				10	6°71'46	8°33'12				1867	24S	3°70'98	14°62'68	26	15°09'75	2°57'07			
1825	26S	18°91'21	20°68'15	28S	7°77'85	8°70'47	65	491	9.5	1868	12	4°11'44	14°58'58	9†	15°50'40	2°54'02			
1826	10	19°42'29	20°43'02	10	8°27'88	8°43'06				1869	28S	5°64'96	14°45'56	28S	17°04'19	2°45'91			
1827	14	22°70'83	20°14'51	12†	11°55'19	8°03'16				1870	6	5°74'41	14°19'54	8†	17°14'68	2°20'22			
1828	8	14°73'22	21°34'82	8	3°63'08	9°51'92				1871	14	7°83'82	14°71'58	11	19°21'99	2°78'92			
1829	16	16°29'64	21°77'94	12	5°20'51	9°89'77				1872	10	10°97'98	14°27'60	12†	22°37'40	2°45'10			
1830	10	17°16'22	21°16'02	6	6°04'69	9°24'45				1873	44S	2°94'00	15°54'62	56S	14°29'92	3°46'36	65 499 7.6		
1831	10	17°69'25	21°55'80	14	6°59'54	9°62'80				1874	7*	3°15'10	15°50'00	10	14°50'78	3°42'26			
1832	10†	20°03'11	21°06'57	14	8°91'43	9°04'65				1875	16	3°88'70	15°39'61	24	15°24'94	3°34'69			
1833	18	20°59'64	21°80'62	20	9°50'43	9°76'86				1876	22S	5°81'03	15°47'44	22	17°16'76	3°48'36			
1834				10	9°67'42	9°51'82				1877	8	5°98'45	15°73'40	6	17°33'82	3°74'32			
1835	20	22°10'62	21°17'05	16	10°98'92	9°07'58				1878	24S	6°88'47	15°62'31	34S	18°24'06	3°66'39			
1836	12	19°74'46	22°80'18	12	8°68'65	10°79'19				1879	10	8°44'91	15°29'80	8†	19°81'21	3°39'21			
1837	12	19°75'58	22°58'90	12	8°69'20	10°57'83				1880	10	10°18'99	15°54'58	9	21°54'45	3°69'56			
1838	20	21°18'94	22°33'44	26	10°11'28	10°27'26				1881	8	10°89'82	15°14'40	9†	22°26'27	3°31'56			
1839	8†	22°80'40	22°86'23	14	11°74'74	10°74'51				1882	39S	3°21'96	16°77'48	46S	14°54'02	4°70'16	65 500 9.0		
1840	58S	23°80'52	22°73'97	66S	12°74'10	10°58'22	65	497	7.0	1883	14	7°09'46	16°17'43	14†	18°43'06	4°22'04			
1841	8*	23°81'72	22°70'67	14	12°75'37	10°54'95				1884	14	7°56'34	16°67'22	14	18°88'31	4°73'67			
1842				8	12°78'49	10°61'97				1885	12	9°18'43	16°39'53	12	20°51'22	4°51'19			
1843				8	13°03'83	10°15'24				1886	36S	2°99'95	17°93'34	44S	14°28'31	5°85'00	65 498 9.3		
1844	30S	17°40'20	23°77'57	32S	6°38'27	11°84'99	65	487	9.5	1887	23S	3°92'29	17°81'63	30S	15°21'03	5°76'29			
1845	40S	18°44'62	23°30'94	42S	7°40'88	11°34'44	65	490	9.5	1888	12*	4°67'07	17°67'84	18	15°96'29	5°64'84			
1846	10	18°72'78	23°62'94	10	7°70'18	11°65'93				1889	24S	12°12'04	17°04'28	30S	23°42'65	5°25'06	65 505 9.5		
1847	6*	19°92'02	23°93'43	14	8°89'98	11°91'54				1890	10	13°93'81	17°86'74						
1848	12	20°24'77	23°39'04	18	9°21'31	11°36'13				1891	12	4°35'13	18°29'50	14	15°62'10	6°25'65			
										1892	13	4°43'03	18°55'40	14	15°69'17	6°51'65			
										1893	6	7°39'91	18°47'46	10	18°66'14	6°52'99			
										1894	14	8°58'68	18°06'71	22	19°86'08	6°16'55			
										1895	14	12°52'63	18°70'75	11*	23°78'10	6°92'89			

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 5 <sup>h</sup> 42 <sup>m</sup> to 5 <sup>h</sup> 51 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 51 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				Centre R.A. 5 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			
Plate 3019. 1896, Feb. 22.				Plate 797. 1893, Feb. 25.				Plate 3019. 1896, Feb. 22.				Plate 786. 1893, Feb. 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
1896	10	5.2196	19.7920	12	16.4407	7.7800		1943	30§	21.7251	14.5244	40§	10.3464	2.3483	
1897	12	5.4368	19.1896	18	16.6787	7.1841		1944	20	23.5567	14.5174	26	12.1761	2.2764	
1898	6*	6.9902	19.4464	14	18.2215	7.4965		1945	23§	24.2940	14.6406	40§	12.9188	2.3678	65 512
1899	8*	7.8219	19.0382	14	19.0626	7.1080		1946	14	17.6332	15.5682	9*	6.2974	3.5476	
1900	24§	8.3395	19.6846	32§	19.5630	7.7710	65 502	1947	8	18.0196	15.6304	10*	6.6854	3.5928	
1901	16	8.3562	19.4687	20	19.5841	7.5580		1948	22§	18.3807	15.0835	32§	7.0270	3.0311	
1902	24§	10.6350	19.7456	27§	21.8550	7.9061		1949	18	19.2886	15.4471	20	7.9486	3.3621	
1903	6*	2.9802	20.5842	14	14.1775	8.4962		1950	48§	20.4211	15.9099	66§	9.0957	3.7808	65 510
1904	9†	3.6535	20.3471	18	14.8565	8.2846		1951	14	20.8891	15.5421	16	9.5473	3.3979	8.4
1905	7†	3.8829	20.5935	16	15.0803	8.5362		1952	12†	25.0772	15.9940	26	13.7524	3.6966	
1906	5*	5.9802	20.2125	12	17.1869	8.2231		1953	12	14.1584	16.7846				
1907	10	7.8675	20.2160	14	19.0711	8.2891		1954	28§	15.0558	16.7594	38§	3.7629	4.8305	65 508
1908	12	10.1745	20.4885	18	21.3690	8.6365		1955	12	15.2595	16.2520				9.5
1909	14	13.3411	20.3655	13†	24.5379	8.6122		1956	12	15.2584	16.6520				
1910				14	15.0834	9.2585		1957	18	24.5176	16.6318	26	13.2151	4.3536	65 513
1911				12	15.1093	9.4377		1958	9†	24.8312	16.8669	16	13.5382	4.5761	9.5
1912	20§	9.8653	20.9159	20§	21.0463	9.0500		1959	12	16.0599	17.3280	7	4.7896	5.3627	
1913	14	11.2873	21.7656	18	22.4422	9.9466		1960	10	16.1727	17.2745	8	4.9004	5.3010	
1914	22§	11.9537	21.0949	24§	23.1282	9.2978	65 504	1961	14	18.0736	17.6141	18	6.8114	5.5730	
1915	8*	2.9732	22.4252	14	14.1126	10.3426		1962	8	18.8515	17.8395	16	7.6000	5.7699	
1916				12	14.6036	10.9868		1963	12	21.0183	17.1889	20	9.7388	5.0385	
1917				16	15.7445	10.2069		1964	4†	21.1815	17.6749	8	9.9198	5.5189	
1918				10	16.2140	10.4621		1965	16	20.0673	18.7519	16	8.8462	6.6374	
1919	18	5.1899	22.9711	26	16.3103	10.9530		1966	16	21.5362	18.5712	18	10.3076	6.3998	
1920				10	16.4248	10.4081		1967	46§	21.5906	18.9423	72§	10.3767	6.7689	65 511
1921	7*	5.3196	22.8955	10	16.4401	10.8865		1968	12†	22.2597	18.2942	14	11.0209	6.0989	7.5
1922				10	16.5649	10.8202		1969	16	22.7677	18.8282	16	11.5455	6.6117	
1923	20	5.7194	22.8050	22§	16.8429	10.8087	65 501	1970	6*	23.5892	18.4234	12	12.3527	6.1731	
1924	16	5.8903	22.9490	20	17.0106	10.9561		1971	8†	23.6592	18.1834	16	12.4152	5.9310	
1925	12	6.1889	22.2306	16	17.3329	10.2488		1972	11†	24.7033	18.3752	20	13.4671	6.0833	
1926	7*	6.9838	22.2386	12	18.1243	10.2802		1973	12	14.7842	19.8250	14	3.6087	7.9041	
1927	6*	7.9612	22.7792	12	19.0863	10.8529		1974	14	15.8822	19.3592	18	4.6859	7.3990	
1928	14	13.6190	22.5307	9	24.7452	10.7880		1975	18	16.1523	19.3394	30§	4.9577	7.3697	
1929	22§	13.9892	22.2354	25§	25.1281	10.5033	65 506	1976	12	20.1637	19.1804	14	8.9609	7.0590	
1930				14	17.1101	11.5037		1977	26§	20.5022	19.5754	32§	9.3113	7.4403	
1931	12	6.2667	23.7643	20	17.3571	11.7831		1978				10	11.6714	7.5876	
1932	11	6.3962	23.3779	16	17.5004	11.4025		1979				10	12.4495	7.4647	
1933	18	6.4816	23.0753	29	17.5983	11.1010		1980				12	12.7885	7.6892	
1934	9*	5.7389	24.1599	16	16.8199	12.1609		1981	10	24.3156	19.3770	22	13.1168	7.0995	
1935	25§	7.8514	24.7056	28§	18.9134	12.7759		1982	8*	25.1129	19.4849	18	13.9144	7.1811	
1936				14	16.1866	13.0890		1983	22	25.1353	19.5450	30§	13.9412	7.2402	
1937	6*	5.2002	25.2924	14	16.2425	13.2767		1984	64§	14.3049	20.1264	107§	3.1393	8.2213	65 507
1938	20	9.6750	25.2604	22§	20.7167	13.3884		1985	10	14.3814	20.1582	11	3.2205	8.2545	7.0
1939	32§	10.7270	25.2318	34§	21.7703	13.3948	65 503	1986	8	15.7761	20.3178	10	4.6206	8.3603	
								1987	10	20.1946	20.2301	14	9.0302	8.1048	
				48§	15.7227	1.5171	64 550	1988	8*	20.1989	20.2046	10	9.0310	8.0828	
				52§	16.2950	1.6440	64 551	1989				10	10.5059	8.3740	
				101§	25.5122	8.4016	65 507	1990				12	12.7986	7.9983	
				92§	26.9439	2.8797	65 509	1991	16§	14.1506	21.4143	19	3.0334	9.5136	
	81§	1.6096	22.7135				65 497	1992	24§	14.3040	21.3403	25§	3.1847	9.4380	
	70§	9.6127	26.8543				66 413	1993	18§	16.4247	21.6802	28§	5.3152	9.6977	
								1994	8†	17.7183	21.2402	12	6.5911	9.2093	
								1995	24	18.3582	21.4544	30§	7.2402	9.3997	
								1996	10	19.1037	21.5750	10	7.9914	9.4917	
								1997				14	11.3316	9.8268	
								1998	10	18.1937	22.5812	14	7.0989	10.5305	
								1999	14	19.8803	22.0753	14	8.7825	9.9651	
								2000	8	20.8597	22.1648	16	9.7632	10.0193	
								2001	18	14.8663	23.5308	24	3.8266	11.6093	
R.A. 5 <sup>h</sup> 51 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup>															
Centre R.A. 5 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°											
Plate 3019. 1896, Feb. 22.				Plate 786. 1893, Feb. 14.											
1940	48§	15.5592	14.5641	81§	4.1840	2.6174	65 509	7.3							
1941	32§	16.8024	14.0660	52§	5.4095	2.0698	64 558	9.5							
1942	16	19.8002	14.6147	9†	8.4266	2.5098									



## ZONE + 65°.

R.A. 5 <sup>h</sup> 51 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 9 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 5 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°				Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			
Plate 3019. 1896, Feb. 22.				Plate 786. 1893, Feb. 14.				Plate 807. 1893, March 1.				Plate 786. 1893, Feb. 14.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
2002	4	15°1085	23°2094	10	4°0592	11°2787	° m.	2054	34§	11°2248	17°5543	35§	22°5846	5°6340	° m.
2003	18	15°2388	23°2445	23	4°1877	11°3055		2055	24	13°1160	17°6644	26	24°4714	5°8203	
2004				18	9°7845	11°8074		2056	12	13°9015	17°2397				
2005				16	11°5222	11°3493		2057	32§	4°7256	18°9632	36§	16°0364	6°7983	
2006	18†	23°5567	23°3189	30	12°5027	11°0686		2058	12	8°4848	18°3094	9*	19°8194	6°2800	
2007	20	14°0933	24°6129	20	3°0936	12°7162		2059	14	8°7165	18°8319	9†	20°0309	6°8188	
2008				8	4°2387	12°6745		2060	24§	9°9157	18°8385	24	21°2293	6°8694	
2009				10	4°2690	12°6428		2061	12	11°3848	18°6228	12†	22°7005	6°7095	
2010				8	4°2874	12°7057		2062	14	12°3476	18°3984	20	23°6781	6°5237	
2011	7*	16°9100	24°7543	16	5°9136	12°7532		2063	18	12°5072	18°9830	11†	23°8148	7°1126	
2012				14	8°8105	12°3716		2064	22	4°6922	19°4298	26	15°9829	7°2600	
2013				14	10°9098	12°5015		2065	10	7°1916	19°4461	10*	18°4819	7°3705	
2014	18	14°7383	25°7648	30§	3°7816	13°8421		2066	10†	7°5552	19°0381	8	18°8609	6°9799	
2015	8	15°1225	25°3447	18	4°1511	13°4095		2067	10	13°0257	19°6027				
2016				12	6°5687	13°5958		2068	14	9°6649	20°7400	14	20°9069	8°7635	
2017				12	9°5543	13°5819		2069	24	10°6982	20°8795	31§	21°9319	8°9409	
2018	4*	23°2097	25°6131	8	12°3130	13°3609		2070	12	11°8023	20°0865	11	23°0646	8°1900	
2019				10	13°6318	13°9081		2071	18	12°9660	20°6840	27	24°2068	8°8301	
2020				22	13°9762	13°1475		2072	16	7°0462	21°6982	22	18°2518	9°6194	
				73§	4°4921	1°5867	64 557 8.5	2073	12†	7°0959	21°3493	14	18°3157	9°2742	
								2074	8†	8°2649	21°7191	10	19°4703	9°6885	
								2075	16	11°9142	21°6095	12	23°1141	9°7169	
								2076	22	12°3948	21°0060	26§	23°6212	9°1299	
								2077	20	13°2756	21°0492	16	24°5005	9°2099	
								2078	12	13°4949	21°2789				
								2079	24§	3°6933	22°5373	34§	14°8702	10°3298	
								2080	32§	5°9237	22°2819	38§	17°1091	10°1596	
								2081	96§	6°3070	22°8866	106§	17°4683	10°7791	65 517 5.7
								2082	16	7°6150	22°4752	18	18°7904	10°4182	
								2083	8	10°7905	22°6695	12†	21°9566	10°7329	
								2084	16	11°5734	22°8860	24	22°7300	10°9787	
								2085	54§	11°6353	22°9630	72§	22°7904	11°0599	65 519 8.2
								2086	12	4°9639	23°9350	22	16°0821	11°7745	
								2087	10*	4°9672	23°4186	20	16°1099	11°2602	
								2088	46§	6°2489	23°7103	44§	17°3787	11°5998	65 516 9.2
								2089	32§	7°7547	23°2633	36§	18°8987	11°2100	
								2090	12	7°8677	23°9425	14	18°9875	11°8920	
								2091	20	8°1860	23°8778	26	19°3059	11°8405	
								2092	32§	9°3030	23°7203	36§	20°4295	11°7259	
								2093	10	9°9216	23°0105	8*	21°0721	11°0398	
								2094	20	10°6654	23°1103	28	21°8123	11°1693	
								2095	28§	10°6696	23°6120	36§	21°7999	11°6700	
								2096	9	4°6352	24°8643	16	15°7199	12°6892	
								2097				10	16°1945	12°7013	
								2098				12	17°0584	12°3501	
								2099				16	17°0803	12°4528	
								2100				10	17°8687	12°0582	
								2101	34§	7°7428	24°0637	34§	18°8576	12°0094	
								2102	8	9°9170	24°8176	12	21°0018	12°8462	
								2103	16	11°6451	24°1260	22	22°7545	12°2205	
								2104	38§	11°8864	24°3607	40§	22°9863	12°4669	65 520 9.3
								2105	40§	13°7145	24°9930	27	24°7850	13°1652	
								2106				20	14°9465	13°4399	
								2107	16	9°5252	25°0600	22	20°6001	13°0716	
								2108				8	21°5309	13°0892	
												56§	19°9475	1°8712	64 570 9.3
												74§	26°3074	4°2244	65 521 9.0
												62§	26°9648	8°7301	65 523 8.5
												64§	26°7841	10°1809	65 522 8.4

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

							B. D.									B. D.				
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.			
R.A. 6 <sup>h</sup> 9 <sup>m</sup> to 6 <sup>h</sup> 18 <sup>m</sup>									R.A. 6 <sup>h</sup> 9 <sup>m</sup> to 6 <sup>h</sup> 18 <sup>m</sup> —contd.											
Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Centre R.A. 6 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°					
Plate 807. 1893, March 1.			Plate 3038. 1896, March 23.			Plate 807. 1893, March 1.			Plate 3038. 1896, March 23.			Plate 807. 1893, March 1.			Plate 3038. 1896, March 23.					
2109	14	14°5253	14°8070	10†	3°2489	2°9925	65 521	9°0	2167	26	19°3604	25°2800	22	8°4423	13°2979	65 526	9°2			
2110	20	15°2184	14°9805	14†	3°9506	3°1439			2168	44§	22°3996	25°5334	30§	11°4922	13°4453					
2111	20	17°2107	14°1988	12	5°9122	2°2953														
2112	18	18°5333	14°3871	10*	7°2419	2°4355							46§	9°1319	1°4973					
2113	26	14°8843	15°3262	16	3°6278	3°4976														
2114	12	19°4889	15°2929	8*	8°2315	3°3093														
2115	18	19°7155	15°5604	12	8°4659	3°5703														
2116	14	19°7549	15°9339	10†	8°5169	3°9414														
2117	20	20°5613	15°0720	20	9°2898	3°0499														
2118	7	21°6702	15°2017	8	10°4059	3°1448														
2119	42§	14°8853	16°0014	32§	3°6563	4°1726			R.A. 6 <sup>h</sup> 18 <sup>m</sup> to 6 <sup>h</sup> 27 <sup>m</sup>											
2120	26§	15°7091	16°5274	18§	4°4962	4°6716			Centre R.A. 6 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Centre R.A. 6 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°					
2121	10	17°2745	16°9602	8†	6°0745	5°0503			Plate 1653. 1893, Dec. 1.			Plate 3038. 1896, March 23.			Plate 1653. 1893, Dec. 1.					
2122	14	19°5534	16°8984	10	8°3469	4°9112			2169				12	14°2386	2°7943	65 530	8°3			
2123	18	22°8803	16°9300	16	11°6759	4°8285			2170	15†	3°0647	14°5956	14	14°5186	2°4299					
2124	16	23°1533	16°7974	16*	11°9415	4°6866			2171	6*	4°9491	14°2589	4†	16°4146	2°1600					
2125	24	14°0460	17°5461	18	2°8684	5°7480			2172	12*	5°8766	14°0294	10†	17°3488	1°9615					
2126	12	14°1198	17°7338	8*	2°9470	5°9313			2173	40§	6°5614	14°5780	32§	18°0147	2°5347					
2127	20	14°3820	17°5407	12	3°2039	5°7301			2174	36§	11°8456	14°4427	31§	23°3016	2°5803					
2128	10	16°6266	17°9675	8*	5°4650	6°0803			2175	14	12°8943	14°9945								
2129	16	19°4351	17°2873	12	8°2456	5°3044			2176	24	10°9145	15°2596	19†	22°3409	3°3640					
2130	18	22°4528	17°1373	12	11°2569	5°0487			2177	18	12°7650	15°1976								
2131	14	22°6488	17°5003	14†	11°4652	5°4067			2178	10	13°0278	15°1151								
2132	6	23°5992	17°2764	6†	12°4069	5°1492			2179	20	13°0603	15°1484								
2133	16	17°2070	18°0272	8	6°0425	6°1196			2180	8†	3°5939	16°0427	14	14°9991	3°8947	65 531	7°8			
2134	16	16°0656	19°7112	15	4°9624	7°8406			2181	11*	3°7092	16°8380	16	15°0857	4°6936					
2135	12	16°7656	19°7528	8*	5°6636	7°8563			2182	12*	4°0525	16°5125	12	15°4412	4°3808					
2136	10	18°8568	19°7776	6*	7°7520	7°8096			2183	58§	6°6967	16°8152	44§	18°0729	4°7766					
2137	14	22°1656	19°8919	12*	11°0605	7°8157			2184	28§	12°3337	16°1225	23	23°7293	4°2788					
2138	10	14°0137	20°2979	8*	2°9274	8°4957			2185	14	13°5218	16°8256								
2139	16	14°1600	20°5382	10*	3°0838	8°7341			2186				12	15°3587	4°9078					
2140	44§	15°7189	20°4779	40§	4°6383	8°6192			2187	14*	4°0076	17°0521	16	15°3750	4°9215					
2141	14	17°0852	20°7571						2188	10*	8°0375	17°6067	12	19°3847	5°6136					
2142	40§	19°1864	20°2872	34§	8°1016	8°3114			2189	14*	9°7644	17°1998	16	21°1263	5°2655					
2143	18	19°9574	20°2759	14	8°8677	8°2734			2190	22	12°1122	17°1075	17	23°4720	5°2535					
2144	42§	22°4523	20°2191	40§	11°3597	8°1303			2191	11*	3°9045	18°1960	10	15°2335	6°0565					
2145	44§	15°5955	21°9324	38§	4°5675	10°0811			2192	10*	6°1389	18°4667	10	17°4466	6°4060					
2146	16	17°9052	21°0697	12	6°8455	9°1401			2193	28§	6°7190	18°3596	20	18°0404	6°3192					
2147	18	17°9091	21°8748	14†	6°8785	9°9413			2194	18	10°4956	18°3635	12	21°8161	6°4546					
2148	24§	19°1272	21°7539	20	8°0931	9°7806			2195	74§	10°6625	18°3120	52§	21°9854	6°4084	65 533	7°3			
2149	8†	14°8958	22°8976	10	3°9029	11°9693			2196	34§	13°8051	18°0734	26§	25°1338	6°2784					
2150	12	17°3452	22°6346	8†	6°3374	10°7199			2197	10*	3°4325	19°4381	12	14°7177	7°2852					
2151	8	22°1693	22°8272	8	11°1685	10°7435			2198				12	14°9246	7°2148					
2152	14	22°6051	22°6286	14	11°5967	10°5350			2199	12*	8°9175	19°4708	12	20°2007	7°5068					
2153	8	22°6486	22°6246	6*	11°6403	10°5258			2200	10*	9°8277	19°5610	10	21°1093	7°6260					
2154	4†	18°9042	23°6387	9	7°9325	11°6675			2201	10	11°1330	19°7452	7	22°4043	7°8567					
2155	20	19°4867	23°9738	18	8°5277	11°9846			2202	51§	3°6707	20°2392	38§	14°9312	8°0920	65 528	8°7			
2156	16	22°0852	23°4027	22	11°1065	11°3272			2203	12*	3°8699	20°4602	14	15°1200	8°3233					
2157	19†	24°4541	23°1685	16	13°4656	11°0115			2204	44§	6°7346	20°5292	34§	17°9851	8°4867					
2158				20	13°7723	11°6413			2205	48§	7°1377	20°5146	40§	18°3864	8°4914					
2159	20	17°1008	24°3376	18	6°1541	12°4331			2206	6*	7°3420	20°6787	12	18°5822	8°6630					
2160	12	17°2295	24°2617	12	6°2774	12°3502			2207	10*	12°3071	20°1363	12	23°5676	8°2878					
2161	8	15°6138	24°8767	10†	4°6852	13°0191			2208	10*	5°2137	21°7002	10	16°4228	9°6080					
2162	12	19°7717	24°6496	10†	8°8359	12°6505			2209	15	5°5662	21°2488	16	16°7884	9°1654					
2163	6	20°4960	24°4229	6*	9°5516	12°4020			2210	8*	7°8037	21°1086	10	19°0321	9°1013					
2164	12	21°3194	24°5893	14†	10°3795	12°5394			2211	6*	8°1648	21°4758	8	19°3800	9°4800					
2165				8	11°3593	12°4908			2212	12*	8°2433	21°1391	18	19°4703	9°1539					
2166	14	16°8452	25°8488	14	5°9552	13°9518			2213	16	8°3744	21°1620	16	19°6018	9°1765					
									2214	10*	10°8616	21°9096	12	22°0564	10°0114					
									2215	5*	12°8537	21°3579	13	23°9303	13°5229					



Z O N E + 65°.

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+66^{\circ}$ .

ZONE + 65°.

R.A. 6 <sup>h</sup> 36 <sup>m</sup> to 6 <sup>h</sup> 45 <sup>m</sup> — <i>contd.</i>									R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>										
Centre		R.A. 6 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°					Centre		R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				
Plate 1654.		1893, Dec. 1.			Plate 776.			1893, Feb. 10.		Plate 1774.		1894, Feb. 4.			Plate 813.			1893, March 8.	
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
								No.	Mag.								No.	Mag.	
2317	9*	8.3646	24.8289	14	19.4921	12.7933			2362	10	5.6652	14.8806							
2318				20	14.1124	13.4339			2363	6	9.4043	14.6201							
2319	32	11.0911	25.0889	26	22.2101	13.1424			2364	12	10.1882	14.6871							
				908	18.4417	1.5738	65	543	9.1										
R.A. 6 <sup>h</sup> 45 <sup>m</sup> to 6 <sup>h</sup> 54 <sup>m</sup>									R.A. 6 <sup>h</sup> 54 <sup>m</sup> to 7 <sup>h</sup> 3 <sup>m</sup>										
Centre		R.A. 6 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre		R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				
Plate 1654.		1893, Dec. 1.			Plate 813.			1893, March 8.		Plate 1774.		1894, Feb. 4.			Plate 813.			1893, March 8.	
2320	24	14.0450	14.8825						2365	16	13.4456	14.7699							
2321	26	14.5296	14.9647						2366	10	3.9153	15.5876	8*	15.3830	3.5455				
2322	32	14.4301	15.3069	16*	3.1442	3.4098			2367	8	4.1766	15.4998							
2323	16	24.2764	15.2598						2368	12	5.1863	15.8254	7†	16.6439	3.8262				
2324	20	18.7963	16.9277	12	7.5685	4.8630			2369	12	10.5960	15.6154							
2325	22	15.8347	17.5673	12	4.6323	5.6126			2370	18	8.2348	18.5097	13	19.5921	6.6171				
2326	22	21.3283	17.2334	14†	10.1124	5.0761			2371	10	8.6794	18.7381							
2327	19	24.0007	17.9981	12	12.8078	5.7414			2372	16	9.9343	18.2524	14†	21.3013	6.4190				
2328	30	24.3147	17.5332	18	13.1048	5.2695			2373	388	10.8883	18.0276	308	22.2649	6.2276	65	556	9.5	
2329	408	15.4166	18.3712	29	4.2438	6.4312	65	549	9.4	2374	10	13.0260	18.7502						
2330	408	16.6672	18.2229	30	5.4894	6.2377			2375	26	2.7669	19.6532	18	14.0908	7.5662				
2331	34	16.9108	18.8293	24	5.7541	6.8337			2376	7*	3.9356	19.9100	5	15.2477	7.8667				
2332	20	17.4402	18.1348	12	6.2591	6.1216			2377	8	5.8190	19.2752	6*	17.1520	7.2959				
2333	548	18.1425	18.8738	448	6.9864	6.8306	65	550	8.4	2378	8	7.5528	19.2721	4*	18.8845	7.3526			
2334	12	18.1704	18.9313	8*	7.0161	6.8900			2379	6*	4.2546	20.4253	6†	15.5480	8.3897				
2335	20	19.6149	18.3370	12	8.4368	6.2410			2380	10†	5.2577	20.4247	8*	16.5549	8.4251				
2336	5	21.4477	18.7849	7*	10.2863	6.6194			2381	20	9.3752	20.0681	16	20.6800	8.2107				
2337	20	21.5860	18.9597	12	10.4310	6.7900			2382	16	11.5313	20.3695	9	22.8229	8.5885				
2338	10	14.1054	19.1400						2383	20	12.4908	20.1710	13	23.7875	8.4290				
2339	12	15.3260	19.5587	6*	4.1982	7.6227			2384	12	12.7157	20.2950							
2340	24	17.4446	19.8839	14	6.3279	7.8699			2385	20	13.9682	20.6796							
2341	23	23.3609	19.7401	20	12.2333	7.5057			2386	12	4.0347	21.6962	12†	15.2858	9.6502				
2342	8	18.9638	20.4046	6†	7.8662	8.3328			2387	32	4.6344	21.2584	26	15.8987	9.2345				
2343	10*	20.5316	20.3039	8	9.4259	8.1757			2388	22	6.4101	21.2980	16	17.6725	9.3368				
2344	26	22.9222	20.7660	20	11.8338	8.5463			2389	408	7.6838	21.3112	368	18.9444	9.3989	65	555	9.3	
2345	22	15.3488	21.4226	14	4.2906	9.4826			2390	14	7.9225	21.7831	11	19.1649	9.8774				
2346	22	16.0652	21.3674	16*	5.0101	9.4037			2391	18	10.4122	21.3599	9	21.6663	9.5411				
2347	408	17.8527	21.3205	26	6.7886	9.2903			2392	18	11.2354	21.7102	10	22.4806	9.9209				
2348	26	21.1753	21.9974	22	10.1337	9.8452	65	552	9.5	2393	20	5.8462	22.9474	12	17.0533	10.9636			
2349	13	21.8390	22.5853	16†	10.8203	10.4036			2394	30	6.2439	22.5064	22	17.4643	10.5399				
2350	34†	24.6607	22.6857	24	13.6442	10.3999	65	554	9.5	2395	28	6.6652	22.3590	24	17.8886	10.4067			
2351	41	24.9213	22.8066	24	13.9078	10.5112			2396	11	8.1356	23.6903	10†	19.3136	11.7901				
2352	428	14.6078	23.0753	348	3.6128	11.1618	65	548	9.3	2397	18	11.3339	23.3900	8*	22.5178	11.6019			
2353	30	19.6046	23.3058	19	8.6140	11.2098	65	551	9.5	2398	26	11.7852	23.3756	16	22.9709	11.6031			
2354	18*	22.5025	23.9483	10	11.5340	11.7424			2399	16*	4.7994	24.0703	12	15.9646	12.0514				
2355	18	14.6706	24.8527	15	3.7418	12.9386			2400	28	4.9035	24.7618	20	16.0441	12.7464				
2356	14	16.1355	24.1215	6	5.1755	12.1547			2401	18	5.5636	24.6200	13	16.7052	12.6297				
2357	1088	22.8708	24.8637	648	11.9328	12.6402	65	553	7.5	2402	11	6.2120	24.2185	10	17.3723	12.2502			
2358	15†	22.9407	24.7511						2403	17	9.8180	24.2082	10†	20.9775	12.3688				
2359				10	6.4017	13.8971			2404	17	9.9502	24.5301	12†	21.0955	12.6894				
2360	18	17.4933	25.2546	16	6.5754	13.2379			2405	12	10.6844	24.9276	6*	21.8147	13.1162				
2361	19	21.0599	25.9348	12	10.1664	13.7786			2406	7	11.5360	24.8891	7	22.6652	13.1087				
									2407	19	7.4006	25.7198	16	18.5057	13.7904				
										32	2.4236	22.4984							
										398	10.0547	26.3352							
																	65	554	9.5
																	66	483	8.7
R.A. 6 <sup>h</sup> 45 <sup>m</sup> to 6 <sup>h</sup> 54 <sup>m</sup>									R.A. 7 <sup>h</sup> 3 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup>										
Centre		R.A. 6 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre		R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				
Plate 1654.		1893, Dec. 1.			Plate 813.			1893, March 8.		Plate 1774.		1894, Feb. 4.			Plate 763.			1893, Feb. 8.	
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
								No.	Mag.								No.	Mag.	
	50	17.8219	26.5320						2408	16	15.7252	14.4526							
				548	1.3900	3.6142	66	475	8.8	2409	18	19.6925	14.5232	8†	8.3365	2.5018			
				478	0.8914	5.6901	65	547	8.1	2410	408	19.9464	14.6538	318	8.5935	2.6213	65	564	9.5
									9.4	2411	18	14.3213	15.5875						

1 *reseau* interval represents very nearly  $5' = 47^{\circ}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\circ}.2$  at Dec.  $+ 66^{\circ}$ .



## ZONE + 65°.

R.A. 7 <sup>h</sup> 3 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 21 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			
Plate 1774. 1894, Feb. 4.				Plate 763. 1893, Feb. 8.				Plate 2425. 1895, Feb. 25.				Plate 726. 1893, Jan. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.
2412	18	14°6143	15°0606					2460	12	8°6862	16°5375				
2413	40§	17°3460	15°0694	36§	6°0121	3°1307	65 560 9°5	2461	40§	8°7350	16°8117	35§	20°0415	4°9961	65 571 8°9
2414	34	18°9474	15°6555	22	7°6330	3°6562		2462	24	12°4456	16°1734	14	23°7735	4°4921	
2415	36§	22°3184	15°0569	25	10°9787	2°9331		2463	23	3°7681	17°0810	24	15°0658	5°0803	
2416	9	23°2351	15°9011	6	11°9260	3°7450		2464	10†	5°4685	17°4402	10	16°7517	5°5019	
2417	34§	14°3327	16°2072	22	3°0401	4°3787		2465	24	12°7752	17°2807	12	24°0613	5°6113	
2418	18	16°8894	16°9894	14	5°6253	5°0643		2466	28	9°4104	18°4847	22§	20°6532	6°6900	
2419	8	20°6857	16°8186	5	9°4113	4°7525		2467	12	10°3268	18°7399	8	21°5596	6°9796	
2420	12	14°7691	17°5183	6*	3°5273	5°6723		2468	8	13°9246	18°6138				
2421	40§	18°2447	17°5196	34§	7°0009	5°5426	65 561 9°5	2469	41§	4°1448	19°1484	40§	15°3655	7°1581	65 569 9°2
2422	7†	22°8702	17°4749	8	11°6174	5°3306		2470	36	7°6102	19°4211	32§	18°8211	7°5581	
2423	8†	23°1648	17°0116	8	11°8954	4°8589		2471	40§	4°9967	21°0098	40§	16°1488	9°0481	65 570 9°1
2424	56§	25°1152	17°4576	42§	13°8582	5°2324	65 567 9°1	2472	20	8°3300	21°0903	20	19°4764	9°2521	
2425	40§	14°7266	18°8899	31	3°5355	7°0468	65 558 9°4	2473	14	10°6534	21°4554	10	21°7853	9°7033	
2426	12	15°1151	18°9194	4*	3°9230	7°0607		2474	26	11°6570	22°5273	20	22°7496	10°8121	
2427	28	19°3036	18°7504	22§	8°1022	6°7388	65 563 9°5	2475	42§	13°9261	22°5117	36§	25°0170	10°8808	65 573 9°2
2428	24	19°4650	18°6385	22§	8°2587	6°6179		2476	6	6°8549	23°2044	12	17°9238	11°3126	
2429	14	15°1146	19°0906	4*	3°9261	7°2320		2477	7	7°8360	23°8359	10	18°8804	11°9809	
2430	20	16°0279	19°1205	15	4°8429	7°2274		2478	10	8°8945	23°1141	10	19°9636	11°2944	
2431	22	17°0239	19°0494	16	5°8351	7°1161		2479	7†	3°6643	24°2354	20	14°6971	12°2228	
2432	12	18°3055	19°6697	12	7°1368	7°6901		2480	4†	4°1831	24°7426	10	15°1951	12°7520	
2433	14	16°0013	20°5007	12	4°8681	8°6075		2481	15	5°7751	24°7283	28	16°7863	12°7964	
2434	20	19°1649	20°6972	18	8°0313	8°6855		2482	24	11°6684	24°5127	26	22°6852	12°7993	
2435	30§	21°5765	20°0178	28§	10°4207	7°9194		2483	25	7°1929	25°8185	32§	18°1656	13°9348	
2436	11†	22°3340	20°4848	10	11°1921	8°3587		2484	37§	11°1258	25°1049	34§	22°1219	13°3666	66 505 9°5
2437	38§	14°7312	21°1176	30§	3°6200	9°2687	65 559 9°4	2485	30§	11°2297	25°5590	34§	22°2114	13°8246	66 506 9°5
2438	18	14°7688	21°9258	10	3°6892	10°0766		2486	4*	11°4682	25°2821	12	22°4580	13°5547	
2439	12	15°1017	21°9015	11	4°0192	10°0433						47§	27°0168	10°8480	65 574 9°4
2440	18	15°3044	21°2405	16	4°1965	9°3733									65 566 9°1
2441	12	18°8640	21°7854	9	7°7731	9°7837									65 567 9°1
2442	46§	23°9690	21°5477	42§	12°8658	9°3607	65 566 9°1								65 567 9°1
2443				14	13°3756	9°2739									66 498 7°3
2444	22	19°6309	22°7155	24§	8°5733	10°6871									
2445				12	13°9354	10°0050									
2446	11	21°9180	23°1492	10†	10°8764	11°0368									
2447				14	11°6764	12°6307									
2448	8*	17°8840	25°7498	12	6°9394	13°7812									
2449	18	19°7875	25°3058	16	8°8266	13°2685									
2450				8	8°6797	13°6847									
2451	7*	20°4809	25°2464	12	9°5157	13°1838									
2452				16	10°6497	13°7597									
				70§	6°9214	1°3830	65 562 7°0								
				41§	12°0259	1°3409	65 565 9°0								
							65 568 9°4								
	34	26°4251	16°2801				65 569 9°2								
	60§	26°5496	19°4376												
R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 21 <sup>m</sup>								R.A. 7 <sup>h</sup> 21 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			
Plate 2425. 1895, Feb. 25.				Plate 763. 1893, Feb. 8.				Plate 2425. 1895, Feb. 25.				Plate 726. 1893, Jan. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.
2453	12*	6°2083	15°0006	14*	17°5794	3°0899		2487	14	18°7101	14°2245				
2454	50§	9°2155	15°5010	46§	20°5700	3°7015	65 572 8°0	2488	24	18°7207	14°2215	10	7°3949	2°3665	
2455	10	9°7390	15°4118					2489	26§	15°7737	15°6603	12	4°4955	3°8968	
2456	18	11°9273	15°8229	8	23°2679	4°1272		2490	10	18°8351	15°0557				
2457	29	3°6201	16°1569	34	14°9548	4°1476		2491	26	20°0778	15°4593	22†	8°7923	3°5563	
2458	32	3°7856	16°0073	38§	15°1240	4°0071	65 568 9°4	2492	9	22°4928	15°2051	7†	11°1969	3°2270	
2459	16	7°1077	16°9958	20	18°4071	5°1173		2493	16	22°5740	15°6557	18	11°2930	3°6715	
								2494	26	18°3620	16°5743	16	7°1128	4°7221	
								2495	14	20°2036	16°8454	8†	8°9593	4°9391	
								2496	20	21°2328	16°0605	12	9°9641	4°1198	
								2497	54§	21°5805	17°6351	42§	10°3642	5°6836	65 579 6°8
								2498	9	24°2760	17°3904	14	13°0480	5°3516	
								2499				12	13°4027	5°1267	
								2500	12	23°8551	18°0103	14	12°6478	5°9845	
								2501	38§	21°8037	19°4044	28§	10°6427	7°4448	65 581 9°0
								2502				8*	11°3203	7°7340	
								2503	24	15°3345	20°9712	14	4°2323	9°2188	
								2504	6*	17°9535	20°0172	5*	6°8131	8°1783	
								2505	14	18°9555	20°6997	16	7°8347	8°8267	
								2506	48§	22°1761	20°4837	36§	11°0526	8°5101	65 583 8°4
								2507	14	16°7232	21°2844	12	5°6260	9°4839	

## ZONE + 65°.

B.D.							B.D.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
R.A. 7 <sup>h</sup> 21 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> —contd.							R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 39 <sup>m</sup> —contd.						
Centre R.A. 7 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 2425. 1895, Feb. 25. Plate 726. 1893, Jan. 4.							Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 849. 1893, March 17. Plate 726. 1893, Jan. 4.						
2508	26	18.7438	21.1196	20	7.6390	9.2552	2559	6*	7.5054	25.6390	10	18.5640	13.6868
2509	16	19.1702	21.0932	16	8.0658	9.2145	2560	28§	11.6910	25.0388	22	22.7653	13.2245
2510				10	10.6563	9.5740	2561	38§	12.1273	25.4694	30§	23.1858	13.6693
2511	36§	15.9230	22.4056	30§	4.8635	10.6315	2562	24	12.5692	25.1135	16	23.6369	13.3312
2512	38§	16.3132	22.7738	30§	5.2659	10.9862							
2513	7	17.9051	22.0988	10	6.8344	10.2615					64§	22.1590	1.5278
2514	6	18.9055	22.7608	12	7.8554	10.8917							
2515				8	10.9010	10.5008							
2516	14	14.0590	23.2342	6	3.0253	11.5179							
2517	9	19.1396	23.1323	16	8.0991	11.2545							
2518	38	19.9568	23.6887	32§	8.9358	11.7873	65	577					
2519	15	21.3194	23.5796	16§	10.2918	11.6331	65	578					
2520	25	22.0453	23.5490	28§	11.0168	11.5778	65	582					
2521	16	24.3372	23.1107	20§	13.2941	11.0646							
2522	57§	19.5218	24.5132	42§	8.5264	12.6217	65	576					
2523	8	14.5807	25.2012	16	3.6141	13.4710							
2524				18	5.5541	13.9558							
2525				12	9.7652	13.5522							
				27§	2.8741	10.8037	65	573					
R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 39 <sup>m</sup>							R.A. 7 <sup>h</sup> 39 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup>						
Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 849. 1893, March 17. Plate 726. 1893, Jan. 4.							Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 849. 1893, March 17. Plate 2460. 1895, March 18.						
2526	32§	6.2775	14.3424	28§	17.7051	2.3568	2563	8	17.9842	14.7399			
2527	10	6.3763	14.1746	6*	17.8104	2.1833	2564	28§	17.9913	14.7423	39§	6.4240	2.6644
2528	12	12.5992	14.0365				2565	16	22.8174	14.3191	12*	11.2305	2.0405
2529	14	3.6130	16.1184	16	14.9814	4.0420	2566	20	19.8053	15.8830	16	8.2839	3.7309
2530	20	6.4948	16.4588	16	17.8528	4.4778	2567	48§	19.8279	15.8998	48§	8.3061	3.7457
2531	48§	6.9381	16.7272	40§	18.2897	4.7601	2568	20§	20.7879	15.8399	16	9.2639	3.6460
2532	22§	12.0679	16.7824	13†	23.4149	4.9815	2569	20§	23.9754	15.1044	38§	12.4185	2.7808
2533	16	7.2358	17.9508	14	18.5451	5.9933	2570	21§	24.8355	15.5448	32	13.2946	3.1854
2534	42§	9.6078	17.5816	36§	20.9290	5.7014	2571	24	16.3428	16.8678	20	4.8630	4.8547
2535	14	10.7577	17.6139	10†	22.0743	5.7716	2572	10	22.8338	16.5091	6†	11.3332	4.2283
2536	10	12.0829	17.5133				2573	16	15.0531	17.7933	11*	3.6137	5.8288
2537	8*	8.2102	18.1729	4*	19.5108	6.2482	2574	24	19.2911	17.2546	30	7.8254	5.1236
2538	8*	8.6871	18.8724				2575	26	19.3436	17.1884	30	7.8751	5.0512
2539	36§	8.9815	18.6845	34§	20.2644	6.7852	2576	10	21.5979	17.3299	12	10.1354	5.0999
2540	46§	10.7974	18.6278	44§	22.0845	6.7866	2577	6	24.3952	17.4249	10†	12.9277	5.0804
2541	54§	10.8004	18.6772	44§	22.0851	6.8354	2578	8*	25.4261	17.0910	22	13.9538	4.7050
2542	14	7.0382	19.5715	10	18.2954	7.6062	2579	26	24.0673	18.0204	32§	12.6319	5.6919
2543	20§	11.8221	19.9587	12	23.0609	8.1511	2580	24§	15.4751	18.6280	19	4.0670	6.6460
2544	12†	12.6228	19.0494	5†	23.8895	7.2671	2581	28§	19.5153	18.6111	30§	8.1048	6.4673
2545	48§	7.0830	20.1999	42§	18.3171	8.2353	2582	22	14.3655	19.1099	12	2.9832	7.1776
2546	18	7.5317	20.0445	16	18.7707	8.0949	2583	18	18.2595	19.8703	18	6.9035	7.7760
2547	40§	8.0949	21.8359	40§	19.2756	9.9055	2584	8	18.0661	19.6568	8†	6.7017	7.5702
2548	40§	8.5098	21.9874	38§	19.6851	10.0708	2585	31§	23.4371	19.0849	38§	12.0444	6.7821
2549	18§	8.7225	21.7253	16	19.9059	9.8148	2586	36	14.7958	20.5867	32§	3.4734	8.6363
2550	12	10.3021	21.9393	10†	21.4761	10.0801	2587	14	16.3817	20.2617	16	5.0411	8.2448
2551	70§	11.7090	22.2448	58§	22.8754	10.4315	2588	20	17.1103	20.4366	22	5.7781	8.3905
2552	15	4.5052	23.8276	16	15.6185	11.7767	2589	16	17.1736	20.2196	16	5.8340	8.1698
2553	6	8.6105	23.7165	6†	19.7256	11.8004	2590	14†	21.1336	20.2606	12	9.7871	8.0449
2554	11†	3.1174	24.5401	14	14.2140	12.4466	2591	24*	14.7261	22.2458	26	3.4714	10.2933
2555	19†	4.1652	24.0358	18	15.2751	11.9722	2592	10†	20.6009	22.1668	16	9.3367	9.9765
2556	5*	6.5222	24.7073	8	17.6100	12.7251	2593	8*	21.6642	22.7728	12	10.4235	10.5381
2557	4*	7.1701	24.6293	6	18.2613	12.6647	2594				10	13.3596	10.9680
2558	5*	7.1955	25.3346	14	18.2616	13.3709	2595				10	13.5024	10.5319
							2596	9*	24.7793	22.9198	14	13.5431	10.5581
							2597	30§	14.7361	23.1203	40§	3.5180	11.1677
							2598	16	16.0459	23.8314	12	4.8545	11.8285
							2599	16	20.3855	23.3310	24§	9.1689	11.1482
							2600	29	21.9811	23.5580	32§	10.7731	11.3084
							2601	28	16.9921	24.2901	24	5.8147	12.2454
							2602	46	25.0291	24.6819	42§	13.8653	12.3102
							2603	12	14.0589	25.8039	12	2.9469	13.8792
							2604	15	16.5469	25.6897	20	5.4310	13.6637
							2605	15	18.3941	25.1127	20	7.2498	13.0089
							2606	8*	19.0560	25.3910	12	7.9291	13.2596
							2607	9*	21.2054	25.5604	24	10.0753	13.3416
							2608				16	10.5712	13.8547
							2609				16	11.2441	13.4568

B.D. 65°, 580 is noted in the Durchmusterung as a Nebula. It is not shown on the Catalogue nor the Chart Plates.

1 réseau interval represents very nearly 5' = 47.8.3 of R.A. at Dec. + 65°, and 49.8.2 at Dec. + 66°.



## ZONE + 65°.

R.A. 7 <sup>h</sup> 39 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 7 <sup>h</sup> 57 <sup>m</sup> to 8 <sup>h</sup> 6 <sup>m</sup> —contd.																
Centre R.A. 7 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°						Centre R.A. 7 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°													
Plate 849. 1893, March 17.			Plate 2460. 1895, March 18.						Plate 850. 1893, March 17.			Plate 3378. 1897, March 3.													
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.									
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## ZONE + 65°.

R.A. 8 <sup>h</sup> 6 <sup>m</sup> to 8 <sup>h</sup> 15 <sup>m</sup>								R.A. 8 <sup>h</sup> 6 <sup>m</sup> to 8 <sup>h</sup> 15 <sup>m</sup> —contd.										
Centre R.A. 8 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				Centre R.A. 8 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°						
Plate 2495. 1895, March 28.				Plate 3378. 1897, March 3.				Plate 2495. 1895, March 28.				Plate 3378. 1897, March 3.						
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>v.</i>	<i>y.</i>		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>v.</i>	<i>y.</i>				
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								No.	Mag.		B.D.							
								No.	Mag.									



ZONE + 65°.

R. A. 8 <sup>h</sup> 15 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup> —contd.								R. A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 33 <sup>m</sup> —contd.											
Centre R. A. 8 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R. A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R. A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R. A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°							
Plate 2495. 1895, March 28.				Plate 2499a. 1895, March 29.				Plate 3041. 1896, March 23.				Plate 2499a. 1895, March 29.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
							No. Mag.								No. Mag.				
2816	10	19°7293	19°5387				°	m.	2867	20§	11°4129	18°7884	11	22°7681	6°9263	°	m.		
2817	18§	19°9455	19°7613	16	8°7328	7°6987			2868	13	2°7504	19°0873	8	14°1002	6°9401				
2818	10	20°2250	19°0498						2869	8	4°6218	19°2024							
2819	13	22°6516	19°5440	16	11°4294	7°3889			2870	120§	4°7572	19°8256	114§	16°0846	7°7470	65	638	5°8	
2820	18	15°0952	20°2139	6*	3°9027	8°3149			2871	10	4°9770	19°4914							
2821	10	16°1678	20°9991						2872	22§	6°5630	19°3482	16	17°8997	7°3275				
2822	8	19°7859	20°8720	6*	8°6120	8°8130			2873	12	6°5774	19°1016	8†	17°9245	7°0805				
2823	24	20°0645	20°9474	20	8°8904	8°8801			2874	8	7°0228	19°9987							
2824	6	20°6756	20°5329						2875	34§	8°8178	19°3089	26	20°1583	7°3615				
2825	4	24°0436	20°2759	10	12°8455	8°0718			2876	16	10°9044	19°0035	6†	22°2521	7°1233				
2826	6	17°6248	21°7308						2877	18§	11°6242	19°3268	16	22°9611	7°4701				
2827	12	19°7536	21°2552	10*	8°5916	9°1992			2878	12	12°1631	19°7482							
2828	14	20°3226	21°8356	10	9°1759	9°7596			2879	16	12°5723	19°3752							
2829	44§	21°4004	21°1188	40§	10°2345	9°0043	65	634	8°8	2880	27§	3°7247	20°3239	26	15°0349	8°2080			
2830	23§	24°7323	21°3260	24§	13°5680	9°0977			2881	8	6°1768	20°8222							
2831	8	14°1337	22°9397						2882	16	8°4910	20°7739	10	19°7848	8°8162				
2832	14	16°7015	22°1559	10†	5°5722	10°2008			2883	8	8°9368	20°2616							
2833	36§	19°6835	22°9648	34§	8°5816	10°9095			2884	10	11°0191	20°4468							
2834	41§	23°3277	22°2176	38§	12°1942	10°0408	65	635	8°9	2885	18	11°3500	20°0247	9†	22°6650	8°1607			
2835	40§	14°6767	23°4352	36§	3°5941	11°5463	65	630	9°0	2886	40§	4°4924	21°8854	34§	15°7490	9°7948	65	637	9°5
2836				10	13°5349	11°7442			2887	14	5°6663	21°1050	8†	16°9508	9°0520				
2837	8	18°4604	24°5628	10	7°4117	12°5472			2888	14	6°7984	21°6653	6*	18°0643	9°6491				
2838	12	18°6039	24°4247	14	7°5521	12°4036			2889	18	8°9844	21°7766	14	20°2422	9°8343				
2839	10	17°4644	25°7307	10	6°4543	13°7485			2890	10	11°8244	21°7749							
2840	12	19°8120	25°6042	16	8°7975	13°5412			2891	23§	3°6581	22°5431	14	14°8955	10°4233				
2841	44§	21°5088	25°2050	34§	10°4787	13°0855	66	555	9°3	2892	15	6°1600	22°7465	12	17°3894	10°7129			
				50§	2°5678	11°8812	65	628	7°5	2893	16	6°3166	22°0927	12	17°5652	10°0630			
										2894	12	7°7959	22°3552	8*	19°0352	10°3715			
										2895	8	8°2935	22°2902						
										2896	34§	11°3741	22°8259	27	22°5970	10°9593	65	644	9°4
										2897	30§	12°0789	22°7312	23§	23°3040	10°8892	65	646	9°5
										2898	18	12°3465	22°0659	6†	23°5942	10°2319			
										2899	16	12°7636	22°6768	7	23°9981	10°8568			
										2900	40§	6°5896	23°8952	36§	17°7829	11°8692	65	639	9°4
										2901	7	7°7252	23°9995						
													41	23°4660	1°1210	65	645	9°1	
													62§	25°4304	9°8763	65	649	8°3	
													61§	27°1734	9°0888	65	650	8°3	
R. A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 33 <sup>m</sup>								R. A. 8 <sup>h</sup> 33 <sup>m</sup> to 8 <sup>h</sup> 42 <sup>m</sup>											
Centre R. A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R. A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R. A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R. A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°							
Plate 3041. 1896, March 23.				Plate 2499a. 1895, March 29.				Plate 3041. 1896, March 23.				Plate 872. 1893, March 18.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
							No. Mag.								No. Mag.				
2842	10	3°0392	14°4029				°	m.	2902	24	15°6872	14°0160	24†	4°3847	2°1522	°	m.		
2843	28§	6°4873	14°6978	19	17°9791	2°6777	65	640	9°4	2903	12	16°7643	14°5341						
2844	18	7°7193	14°8903	10	19°2024	2°9088			2904	46§	19°2379	14°0830	47	7°9351	2°0822	65	655	8°6	
2845	40§	8°7784	14°6494	46	20°2714	2°7027	65	642	9°4	2905	16	19°2619	14°9783	11	7°9986	2°9760			
2846	16	10°0859	14°5135						2906	10	20°8052	14°9294							
2847	24§	13°2721	14°8655						2907	14	20°9698	14°0664							
2848	20	13°4189	14°8211				65	647	9°4	2908	14	21°3331	14°1452						
2849	60§	13°7092	14°6550	83§	25°2010	2°8669	65	648	8°0	2909	10†	21°5201	14°7990						
2850	22	2°5317	15°0680	18	14°0109	2°9163			2910	10	15°4378	15°8431							
2851	16	4°3281	15°6278	6	15°7910	3°5374			2911	12	15°7203	15°3864							
2852	16	5°1123	15°9101						2912	20	16°7144	15°8972	11	5°4856	3°9928				
2853	10	8°3070	15°2839						2913	22	17°4108	15°5238	15	6°1661	3°5915				
2854	26§	7°5653	16°1590	23	19°0071	4°1738	65	641	9°5	2914	16	18°0281	15°1194	7*	6°7670	3°1686			
2855	22§	8°8434	16°8653	15	20°2647	4°9187			2915	16	19°1667	15°2560	14*	7°9081	3°2527				
2856	10†	9°5074	16°4092																
2857	22	11°5425	16°6034	15†	22°9701	4°7446													
2858	26	13°7179	16°9336	14†	25°1320	5°1439													
2859	32§	2°9790	17°7740	30	14°3729	5°6349													
2860	16	4°4042	17°1736	12	15°8168	5°0801													
2861	22	4°5941	17°7364	14	15°9853	5°6501													
2862	8	8°0507	17°9865																
2863	28§	8°1879	17°6111	22	19°5842	5°6419													
2864	24§	8°4616	17°1309	20	19°8733	5°1720													
2865	12	10°0619	18°3130																
2866	112§	10°5692	18°3192	106§	21°9434	6°4261	65	643	5°8										

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 8 <sup>h</sup> 33 <sup>m</sup> to 8 <sup>h</sup> 42 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 33 <sup>m</sup> to 8 <sup>h</sup> 42 <sup>m</sup> —contd.										
Centre R.A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°			R.A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°			Centre R.A. 8 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°			R.A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°										
Plate 3041. 1896, March 23.			Plate 872. 1893, March 18.			Plate 3041. 1896, March 23.			Plate 872. 1893, March 18.										
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
2916	24§	19°2042	15°3694	20	7°9512	3°3708	°	m.	2975	10†	22°9744	25°9341	10	12°1235	13°7853	°	m.		
2917	36§	19°4857	15°8182	42§	8°2466	3°8047	65	656	9°2	2976	9	24°6418	25°3523	12	13°7681	13°1395			
2918	20	20°4575	15°2334	16	9°2000	3°1847													
2919	44§	20°7564	15°0330	44	9°4917	2°9740	65	660	9°0										
2920	12	20°7949	15°8468	8	9°5606	3°7847							75§	2°4308	2°8649	65	648	8°0	
2921	14	23°4069	15°9933	10*	12°1723	3°8335													
2922	30§	24°0683	15°8597	30§	12°8297	3°6743													
2923	22§	14°9175	16°6621	20	3°7182	4°8268													
2924	12	15°5456	16°4231																
2925	12	17°5224	16°0969																
2926	8	17°9101	16°0970																
2927	42§	21°0617	16°9483	38§	9°8641	4°8794	65	661	8°6										
2928	30§	21°1877	16°8399	28§	9°9852	4°7636													
2929	10	21°6986	16°0691																
2930	30§	21°9266	16°4469	30§	10°7145	4°3432	65	663	9°5										
2931	16	22°7167	16°2334	10	11°4941	4°0998													
2932	16	24°3492	16°1304	12	13°1227	3°9336													
2933	34§	19°9225	17°9513	32§	8°7673	5°9240	65	659	9°0										
2934	12	20°7748	17°7419	8*	9°6132	5°6804													
2935	18	22°8696	17°7070	12*	11°7023	5°5648													
2936	7	24°2045	17°0183	10	13°0125	4°8262													
2937	36§	24°8841	17°0051	32	13°6900	4°7886	65	664	9°3										
2938	15	24°6376	18°3597	10	13°4962	6°1500													
2939	16	14°8395	19°3023	12†	3°7432	7°4654													
2940	18	15°9367	19°1486	14	4°8272	7°2718													
2941	10	16°0090	19°6746	10	4°9244	7°7928													
2942	32	17°7592	19°6855	30	6°6727	7°7396	65	651	9°5										
2943	12	17°9226	19°1145	10	6°8139	7°1587													
2944	10	18°2850	19°8189	8	7°2007	7°8499													
2945	10	19°7743	19°1543	8	8°6658	7°1285													
2946	46§	15°8829	20°8082	46§	4°8403	8°9296	65	650	8°3										
2947	20	17°3180	20°3315	14	6°2570	8°3998													
2948	40§	17°9579	20°8918	40§	6°9154	8°9394	65	652	9°4										
2949	40§	18°5831	20°4314	40§	7°5247	8°4497	65	654	9°5										
2950	14	18°9077	20°4584	14	7°8509	8°4651													
2951	32§	18°9161	20°4453	28§	7°8571	8°4507													
2952	10	22°6988	20°3581	6†	11°6324	8°2210													
2953	18	23°6214	20°9394	14	12°5761	8°7660													
2954	48§	14°1682	21°6554	48§	3°1599	9°8405	65	649	8°3										
2955	24	20°7205	21°6054	20	9°7056	9°5415													
2956	10	21°5587	21°9725	8†	10°5540	9°8787													
2957	40§	21°6480	21°5053	40	10°6271	9°4055	65	662	9°3										
2958	34§	17°5035	22°1857	30§	6°5128	10°2442													
2959	44§	19°5053	22°9982	40§	8°5430	10°9806	65	657	9°2										
2960	22	20°0851	22°3718	14	9°1007	10°3313													
2961	10	22°4720	22°5597	8†	11°4880	10°4287													
2962	6†	22°6847	22°1258	6*	11°6857	9°9904													
2963	16	23°3591	22°3178	14	12°3657	10°1531													
2964	14	14°4258	23°4272	8*	3°4843	11°5986													
2965	22	15°6163	23°6430	18	4°6826	11°7728													
2966	10†	16°4562	23°6413																
2967	26	18°1380	23°2965	18	7°1862	11°3305													
2968	50§	19°7206	23°8325	56§	8°7883	11°8051	65	658	8°5										
2969	12	19°7955	23°7887	12	8°8639	11°7592													
2970	26	14°4262	24°8316	20	3°5414	13°0101													
2971	12†	19°2850	24°0763	6*	8°3645	12°0677													
2972	26	19°4089	24°1385	12	8°4881	12°1260													
2973				12	13°5731	12°2122													
2974	16	14°5957	25°0642	12	3°7208	13°2337													



Z. O N E. + 65°.

R.A. 8 <sup>h</sup> 51 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> .								R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 9 <sup>m</sup> —contd.								
Centre R.A. 8 <sup>h</sup> 51 <sup>m</sup> Dec. +65°				Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +66°				Centre R.A. 9 <sup>h</sup> 9 <sup>m</sup> Dec. +65°				Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +66°				
Plate 852. 1893, March 17.				Plate 2463. 1895, March 18.				Plate 853. 1893, March 17.				Plate 2463. 1895, March 18.				
No.	Diam.	α.	γ.	Diam.	α.	γ.		No.	Diam.	α.	γ.	Diam.	α.	γ.		
B. D.								B. D.								
No.				Mag.				No.				Mag.				
3017	36S	18°3233	14°9903	32S	6°9024	2°8804	65° 680	9'4	3068	18	12°0738	21°8394	16	23°2259	9°8914	
3018	12	19°1513	14°4717	6*	7°7059	2°3337			3069	7*	3°2224	22°5013	10	14°3587	10°2549	
3019	14	19°6358	14°2979	6*	8°1893	2°1430			3070	6*	5°7959	22°4392	8	16°9373	10°2784	
3020	20	19°7901	14°6259	14†	8°3541	2°4649			3071	40S	8°4095	22°8243	36S	19°5350	10°7529	65 699
3021	18	15°8030	15°9194	8†	4°4189	3°9090			3072	34	3°4043	23°4160	24	14°5100	11°1745	65 692
3022	18	20°3531	15°2413	11†	8°9392	3°0562			3073	31	4°4272	23°4286	22	15°5337	11°2246	65 695
3023	42S	14°6436	16°4247	42S	3°2811	4°4559	65 678	8'9	3074	16	7°6058	23°0163	12	18°7260	10°9166	
3024	24	14°7547	16°7183	18	3°4036	4°7454			3075	32	9°5053	23°6168	28	20°6014	11°5810	65 700
3025	14	19°4042	16°2307	7*	8°0292	4°0800			3076	30	11°6179	24°2413	22	22°6945	12°2751	66 603
3026	26	22°5139	16°2282	18	11°1358	3°9593	65 687	9'3	3077				6	17°2231	13°8642	
3027	21	23°5118	16°8794	18	12°1569	4°5721							40S	25°6993	12°6064	66 604
3028	40S	20°7235	17°7303	36S	9°4048	5°5315	65 684	8'9		49S	1°8012	18°7350				65 688
3029	14	21°0512	17°5002	12*	9°7214	5°2857				39	2°6255	22°3565				65 689
3030	30S	21°0822	17°6827	22	9°7618	5°4706	65 685	9'4								
3031	16	22°1658	17°5109	12†	10°8376	5°2550										
3032	38S	14°3741	18°6794	31S	3°0987	6°7208	65 677	9'0								
3033	12†	15°0225	18°4402													
3034	34S	18°2521	18°8697	30S	6°9761	6°7620	65 681	9'4								
3035	46S	24°3454	18°7835	39S	13°0653	6°4477	65 688	8'7								
3036	27	25°2142	18°5939	22	13°9241	6°2209	65 690	9'5								
3037	10	14°1036	19°9740	7	2°8773	8°0263			3078	10	23°3780	14°9371	14	12°0226	2°7626	
3038	16	14°7934	19°2441	11	3°5396	7°2728			3079	44S	24°9692	14°2208	48S	13°5854	1°9926	65 711
3039	30S	14°2875	20°3498	26S	3°0756	8°3942	65 676	9'4	3080	14	14°6882	15°2098	18	3°3501	3°3548	
3040	6*	25°1247	20°7776	10	13°9144	8°4045			3081	24	21°9160	15°0766	26	10°5665	2°9582	65 707
3041	24	14°2121	21°2895	16	3°0331	9°3342			3082	16	22°4866	15°1819	26	11°1365	3°0416	65 708
3042	18	16°5641	21°5191	10	5°3933	9°4750			3083	7†	23°3940	15°3457	18	12°0504	3°1706	
3043	32	19°0623	21°4222	24	7°8825	9°2834	65 683	9'4	3084	44S	19°3402	16°8483	46S	8°0542	4°8217	65 705
3044	8	19°4850	21°1375	8†	8°2986	8°9814			3085	14	20°9052	16°1838	18	9°5967	4°0990	
3045	30	17°1215	22°4704	20	5°9841	10°4066			3086	30	19°0769	17°8107	30	7°8271	5°7934	65 704
3046	14	21°5728	22°7388	10	10°4421	10°5016			3087	16	22°2906	17°0557	22	11°0347	5°5692	
3047	54S	24°9134	22°4583	32S	13°7676	10°0944	65 689	9'1	3088				10	3°3163	6°6393	
3048				7	13°7759	10°1020			3089	26	14°6697	18°0681	27	3°4349	6°2073	
3049	36S	21°3468	23°4205	28S	10°2451	11°1953	65 686	9'0	3090	22	14°2373	19°0256	28	3°0360	7°1845	65 702
3050	13*	21°5029	23°7502	12	10°4133	11°5169			3091				12	5°0903	7°6498	
3051	18*	21°7560	23°0311	14	10°6416	10°7851			3092	50S	17°7726	19°2419	54S	6°5793	7°2717	65 703
3052	18*	23°9432	24°1800	10	12°8670	11°8498			3093	6*	18°0696	19°1986	12	6°8692	7°2184	
3053	18	17°9250	25°7209	14	6°9151	13°6220			3094				10	8°8289	7°7134	
									3095	14	21°3249	19°8569	18	10°1506	7°7543	
				58S	13°8377	1°3515	65 691	9'0	3096	16	18°6770	20°4408	22	7°5247	8°4340	
	54.	26°0934	21°6686				65 694	9'2	3097	10*	20°3269	20°7090	12	9°1851	8°6437	
									3098	28S	21°0457	20°0288	30S	9°8790	7°9383	65 706
									3099	11*	22°8716	20°0453	16	11°7036	7°8882	
									3100	31	23°6461	20°3422	34	12°4886	8°1564	65 709
									3101	26	15°9134	21°9168	30S	4°8162	10°0110	9'5
									3102	24	17°1134	21°8869	24	6°0139	9°9393	
									3103				16	12°2594	9°3648	
									3104	18	23°8485	21°1735	28	12°7219	8°9805	65 710
									3105				10	9°1234	11°2482	9'5
									3106	46S	14°6338	24°4707	54S	3°6342	12°6114	66 604
									3107				28S	13°5920	12°5325	
									3108	49S	23°5446	25°8390	48S	12°5848	13°6526	66 612
									3109				14	13°7238	13°7365	8'5
														</		

1 réseau interval represents very nearly  $\zeta' = 47^{\circ}.3$  of R.A. at Dec. +  $65^{\circ}$ , and  $49^{\circ}.2$  at Dec. +  $66^{\circ}$ .

## ZONE + 65°.

R.A. 9 <sup>h</sup> 18 <sup>m</sup> to 9 <sup>h</sup> 27 <sup>m</sup> —contd.									R.A. 9 <sup>h</sup> 27 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup> —contd.										
Centre R.A. 9 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 9 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Centre R.A. 9 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°										
Plate 854. 1893, March 17.			Plate 899. 1893, March 23.			Plate 854. 1893, March 17.			Plate 2475. 1895, March 22.										
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
							No.	Mag.								No.	Mag.		
3112	30§	7.6138	14.5591	35§	19.1008	2.4718	65°	719	9.4	3160	34§	16.3053	19.3681	30	5.1309	7.3490	65°	725	8.8
3113	22	6.0301	15.7914	20	17.4748	3.6534	65	716	9.5	3161	16	21.1376	19.0390	12	9.9451	6.8319			
3114	10†	9.8672	15.8771	9†	21.3088	3.8658				3162	13	22.5357	19.0242						
3115	6	7.8262	16.7995	10	19.2384	4.7159				3163	14	14.1772	20.6756						
3116	28§	9.5963	16.6034	31§	21.0119	4.5842	65	720	9.4	3164	14	16.5277	20.7484	8*	5.4037	8.7204			
3117	6*	4.9459	17.4205	14	16.3364	5.2410				3165	14	16.8258	20.9900	10*	5.7092	8.9471			
3118	8	7.2995	17.6994	10	18.6815	5.6010				3166	38§	18.3099	20.9020	32	7.1893	8.8064	65	728	8.8
3119	16	8.5857	17.2565	12	19.9809	5.2025				3167	10	23.9461	20.5705	10*	12.8052	8.2581			
3120	16	11.3260	17.2143	17	22.7238	5.2522				3168	16	24.4339	20.9508	16	13.3111	8.6182			
3121	28	2.9029	18.6495	34§	14.2554	6.4026	65	712	9.5	3169	20	15.3099	21.1209	12*	4.2022	9.1374			
3122	24	5.9834	18.5556	26	17.3346	6.4131	65	714	9.5	3170	20	17.6480	21.0865	12*	6.5404	9.0136			
3123	24	6.2533	18.9433	28§	17.5914	6.8105	65	718	9.4	3171	18	24.1157	21.0112	14	12.9967	8.6903			
3124	16	12.8760	18.0387	18†	24.2448	6.1271				3172	14	15.0435	22.7255	8*	3.9984	10.7526			
3125				10	16.2324	7.2206				3173	12	16.6241	22.7158	8*	5.5712	10.6823			
3126	7†	5.2933	19.9917	14	16.5981	7.8239				3174	10	16.7334	22.1454						
3127	40§	5.3112	19.8304	42§	16.6234	7.6661	65	713	9.3	3175	12	15.7443	23.9939	8*	4.7437	11.9923			
3128	18	6.9056	19.5393	26	18.2248	7.4269				3176	28	16.2249	23.4758	24	5.2038	11.4573	65	724	9.4
3129	4	8.1468	19.4538	10	19.4688	7.3817				3177	18	18.5269	23.7101	12	7.5151	11.6029			
3130	8*	9.1962	19.7148	10	20.5071	7.6803				3178	12	19.8115	23.0908	12†	8.7731	10.9348			
3131	14	10.6227	19.4142	13	21.9429	7.4306				3179	46§	14.0759	24.2518	46§	3.0873	12.3189	66	623	7.3
3132	14	7.6758	20.9073	22	18.9512	8.8205				3180	12	19.2398	24.8574	10*	8.2732	12.7243			
3133	12	9.6741	20.1216	14	20.9698	8.1005													
3134	20	10.5265	20.5815	24	21.8096	8.5921	65	721	9.5		102§	26.1410	19.5825				65	731	6.3
3135	14	11.2267	20.7898	15	22.5037	8.8224					40§	26.6589	24.8534				66	628	9.2
3136	18	5.3564	22.8448	26	16.5657	10.6797													
3137	34	6.2023	22.5096	34§	17.4240	10.3709	65	715	9.5										
3138	18	9.8367	22.2824	24	21.0649	10.2696													
3139				20	14.8816	11.2751													
3140				14	19.7261	11.6432													
3141				18	17.6185	12.8814													
3142				10	23.8243	12.8735													
3143				12	15.4147	13.2660													
3144	34§	5.5670	25.9353	46§	16.6741	13.7731	66	616	8.6										
3145				18	19.6412	13.7553													
3146	8*	8.7177	25.6925	22	19.8299	13.6376	66	619	9.4										
3147				22	22.0930	13.7580													
3148	5*	12.5921	25.7090	22	23.6967	13.7822													
3149	22	12.7434	25.1138	32§	23.8729	13.1955													
				34§	17.7741	1.0719	65	717	9.1										
				56§	25.2288	12.3807	66	623	7.3										
	48§	2.0852	14.2626				65	711	7.6										
	32	5.3341	27.0674				66	615	9.3										
R.A. 9 <sup>h</sup> 27 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup>									R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 45 <sup>m</sup>										
Centre R.A. 9 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°			Centre R.A. 9 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°										
Plate 854. 1893, March 17.			Plate 2475. 1895, March 22.			Plate 855. 1893, March 17.			Plate 2475. 1895, March 22.										
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .				
3150	24	17.3505	14.2505	8*	5.9793	2.1939		3181	16	3.0357	14.4212								
3151	20	19.2053	15.4701	14*	7.8741	3.3393		3182	16	8.1817	14.1422								
3152	13	21.0161	15.9477	9*	9.7056	3.7506		3183	16	8.8440	14.6706								
3153	36§	16.4665	16.0767	30§	5.1646	4.0512	65 726	9.2	3184	36§	5.2563	15.1121	34§	16.6058	3.0107	65 733	9.2		
3154	11	22.1765	16.6418	8*	10.8902	4.3990		3185	14	11.5352	15.4313								
3155	22	14.2255	17.2031	14*	2.9678	5.2693		3186	20	3.8645	16.7999	5*	15.1550	4.6506					
3156	22	15.0138	17.0844	6*	3.7496	5.1163		3187	34§	4.5068	16.5505	30§	15.8041	4.4245	65 732	9.0			
3157	28§	20.5885	17.8456	26	9.3516	5.6638	65 729	9.2	3188	36§	6.4027	16.2062	28§	17.7122	4.1439	65 734	9.0		
3158	28§	20.5580	18.3294	22	9.3395	6.1495	65 730	9.4	3189	12	9.2349	16.0625							
3159	14	22.0453	18.1992						3190	32§	13.0901	16.8195	16†	24.3766	4.9819	65 739	9.3		
									3191	74§	9.0350	18.2164	60§	20.2789	6.2408	65 736	7.3		
									3192	86§	3.7583	19.3407	82§	14.9650	7.1851	65 731	6.3		
									3193	24	7.9926	19.7924	20	19.1827	7.7839	65 735	9.5		
									3194	24	9.4848	19.0429	18	20.6990	7.0830				
									3195	22	5.6146	20.0204	18	16.7979	7.9289				
									3196	28	6.0746	20.0254	18	17.2572	7.9491				
									3197	14	6.5343	21.5101	10†	17.6673	9.4476				
									3198	22	6.6795	22.4208	14	17.7797	10.3656				
									3199	30	5.5604	23.9202	22	16.6125	11.8235	66 629	9.3		
									3200	20	8.9753	23.3003	6†	20.0483	11.3221				
									3201	40§	10.3536	23.2498	32§	21.4236	11.3100	65 737	9.2		
									3202	16	11.3546	23.4772							
									3203	40§	4.6553	24.5616	24	15.6845	12.4377	66 628	9.2		
									3204	20	5.9943	24.0794	12	17.0398	11.9962				
									3205	22	11.3174	24.6075	12†	22.3399	12.				



## ZONE + 65°.

R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 45 <sup>m</sup> — <i>contd.</i>									R.A. 9 <sup>h</sup> 54 <sup>m</sup> to 10 <sup>h</sup> 3 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 9 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°					Centre R.A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 9 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°												
Plate 855. 1893, March 17.				Plate 2475. 1895, March 22.					Plate 856. 1893, March 17.				Plate 951. 1893, April 2.												
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
								No.									No.								
								Mag.									Mag.								
3209	11	10°3060	25°1000	9*	21°3145	13°1654	°	m.	3253	12	8°6037	17°0068	14	20°0621	5°0268	°	m.								
3210	28	12°3946	25°3767	18	23°3942	13°5081			3254	11	2°8822	18°2838	14	14°2979	6°1143										
									3255	12	5°0549	18°4006	10	16°4701	6°3003										
									3256	8	7°2431	18°6963	8	18°6492	6°6730										
									3257	9	8°5550	18°4604	10	19°9646	6°4795										
									3258	20	12°7801	18°0648	15	24°2038	6°2269										
									3259	30§	6°0798	19°4569	28§	17°4579	7°3941	65 747	9'3								
									3260	14	10°6829	19°4924	8	22°0576	7°5807										
									3261	40§	13°1597	19°3283	47§	24°5374	7°4999	65 752	9'4								
									3262	20	8°0629	20°1479	20	19°4190	8°1504										
									3263	16	10°5140	20°0108	18	21°8695	8°0953										
									3264	26	8°3724	21°4156	22	19°6839	9°4263										
									3265	8	8°7562	21°4285	6	20°0679	9°4527										
									3266	12	11°4053	21°8311	10	22°7022	9°9413										
									3267	10	13°6031	21°9597	7	24°8937	10°1465										
									3268	24	3°6994	22°3434	22	14°9844	10°1995	65 746	9'5								
									3269	8	11°6336	22°0699	4	22°9230	10°1907										
									3270	40§	13°8102	22°9738	42§	25°0666	11°1657	65 753	9'3								
									3271	30§	13°9475	22°6788	23	25°2136	10°8744	65 754	9'4								
									3272	24	5°1156	23°1275	22	16°3738	11°0266										
									3273	54§	9°2042	23°7650	54§	20°4351	11°8010	66 648	8'3								
									3274	14	12°1553	23°3775	12	23°4009	11°5126										
									3275	18	13°0943	23°3211	13	24°3406	11°4898										
									3276	4†	7°7663	24°7397	6	18°9699	12°7335										
									3277	6*	10°9376	24°2598	10	22°1563	12°3585										
									3278	24	11°9615	24°5165	26	23°1665	12°6465	66 651	9'5								
									3279	16†	3°1738	25°8757	20	14°3404	13°7132										
									3280	8*	10°8483	25°7096	10	22°0139	13°8016										
													43§	23°9013	1°2956	65 751	9'0								
													86§	26°8608	2°6184	65 756	8'0								
													25	26°8648	10°8975	65 757	9'5								
									44§	8°9583	26°7252				66 647	9'3									
R.A. 9 <sup>h</sup> 45 <sup>m</sup> to 9 <sup>h</sup> 54 <sup>m</sup>									R.A. 10 <sup>h</sup> 3 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup>																
Centre R.A. 9 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 9 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°												
Plate 855. 1893, March 17.				Plate 951. 1893, April 2.					Plate 856. 1893, March 17.				Plate 325. 1892, April 8.												
3211	18	16°2656	14°8795	12	4°9751	2°9782	°	m.	3281	12	14°4981	13°9918				°	m.								
3212	22	16°5344	14°9400	20	5°2430	3°0272			3282	46§	15°3142	14°3759	54§	3°9758	2°6326	65 756	8'0								
3213	20	22°0432	14°0302	20	10°7155	1°9102			3283	10	15°9828	14°9231	7*	4°6648	3°1555										
3214	36§	21°9045	15°5196	38§	10°6335	3°4029	65 745	9'3	3284	26	16°7692	14°9901	22	5°4541	3°1905										
3215	13	22°5811	15°5300	12*	11°3081	3°3892			3285	38§	21°8188	14°1770	33§	10°4677	2°1881	65 764	9'5								
3216	26	16°9843	16°3194	24	5°7441	4°3855	65 744	9'4	3286	22	24°7830	14°2499	26	13°4361	2°1499										
3217	12	20°7556	16°5199	12	9°5242	4°4453			3287	18	15°7481	15°9801	12	4°4715	4°2201										
3218	10	21°2048	16°8004	10	9°9836	4°7110			3288	10	15°9838	15°3056													
3219	36§	14°8340	17°4307	27§	3°6379	5°5812			3289	18	17°0963	15°1348	14	5°7858	3°3243										
3220	38§	15°0680	17°2400	31§	3°8656	5°3799	65 740	9'1	3290	14	24°0283	15°5500	12	12°7310	3°4764										
3221	10	15°1486	17°2498	8	3°9463	5°3874			3291	16	14°0752	16°5723	10†	2°8248	4°8759										
3222	46§	15°5945	17°0447	50§	4°3837	5°1635	65 741	7'4	3292	12	14°6604	16°6598	5*	3°4057	4°9403										
3223	12	15°6349	17°0195	11	4°4247	5°1396			3293	24	15°2752	16°1089	13	4°0041	4°3646	65 755	9'5								
3224	18	16°4640	17°8689	18	5°2821	5°9545			3294	48§	20°0158	16°5880	46§	8°7567	4°6662	65 762	8'3								
3225	10	16°3964	18°3102	12	5°2342	6°3986			3295	18	20°6781	16°9206	12	9°4340	4°9736										
3226	14	23°5235	18°1804	14	12°3481	6°0005			3296	14	21°6803	16°4909	9	10°4185	4°5049										
3227	12	15°3265	19°6501	8	4°2168	7°7802			3297	40§	22°1733	16°0578	40§	10°8897	4°0536	65 765	8'9								
3228	30§	16°5813	19°3492	26§	5°4554	7°4302			3298	12	24°5646	17°0176	12	13°3199	4°9216										
3229	28	17°2496	20°8602	26	6°1814	8°9146																			
3230	17*	24°6656	20°2315	16	13°5672	8°0150																			
3231	20	15°8361	21°1901	22	4°7836	9°2985																			
3232	16	19°0726	21°6470	14	8°0285	9°6329																			
3233	11*	20°4654	21°5732	8	9°4232	9°5102																			
3234	5*	22°4849	21°9398	10	11°4550	9°7995																			
3235	38§	16°2545	22°6003	38§	5°2516	10°6921	65 742	9'1																	
3236	40§	16°6447	22°6529	44§	5°6446	10°7326	65 743	8'9																	
3237	8*	22°3877	22°2406	12	11°3684	10°1037																			
3238	16†	15°5343	23°5305	14	4°5659	11°6489																			
3239	20	17°0509	23°2404	16	6°0717	11°3037																			
3240	16	17°7185	23°1174	16	6°7347	11°1524																			
3241	53§	22°3083	23°8595	44§	11°3452	11°7244	66 644	8'4																	
3242	9*	23°8951	23°8595	14	12°9325	11°6644																			
3243				12	13°2527	11°7903																			
3244	23	24°3334	23°4102	24	13°3518	11°2008																			
3245	8*	18°5665	24°2672	10	7°6260	12°2718																			
3246	19	21°2150	25°5593	22	10°3175	13°4656																			
R.A. 9 <sup>h</sup> 54 <sup>m</sup> to 10 <sup>h</sup> 3 <sup>m</sup>									R.A. 10 <sup>h</sup> 3 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup>																
Centre R.A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 9 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°												
Plate 856. 1893, March 17.				Plate 951. 1893, April 2.					Plate 856. 1893, March 17.				Plate 325. 1892, April 8.												
3247	18	7°1050	14°9808	16	18°6316	2°9546	°	m.	3281	12	14°4981	13°9918				°	m.								
3248	44§	11°5137	14°3096	56§	23°0636	2°4279	65 750	8'8	3282	46§	15°3142	14°3759	54§	3°9758	2°6326	65 756	8'0								
3249	20	11°2343	15°4797	18	22°7441	3°5897			3283	10	15°9828	14°9231	7*	4°6648	3°1555										
3250	14	3°3156	16°2709	12	14°8012	4°1146			3284	26	16°7692	14°9901	22	5°4541	3°1905										
3251	14	6°7496	16°7509	14	18°2166	4°711411</																			

## ZONE + 65°.

R.A. 10 <sup>h</sup> 3 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 10 <sup>h</sup> 12 <sup>m</sup> to 10 <sup>h</sup> 21 <sup>m</sup> —contd.								
Centre R.A. 10 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			Centre R.A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			Centre R.A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°		
Plate 856. 1893, March 17.			Plate 325. 1892, April 8.			Plate 2478. 1895, March 22.			Plate 325. 1892, April 8.			Plate 2478. 1895, March 22.			Plate 3104. 1896, April 28.		
No.	Diam.	$\alpha$ .	$y$ .	No.	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	No.	Diam.	$\alpha$ .	$y$ .	B. D.
								No. Mag.									No. Mag.
3299	22	15°1534	18°2221	18	3°9608	6°4811	°	m.	3349	32	10°8740	25°4880	288	22°0009	13°7768	°	m.
3300	10	19°6750	18°9901	4*	8°5124	7°0803			3350	14	13°7224	25°2105	16	24°8561	13°6006		
3301	358	25°0970	18°7787	328	13°9204	6°6612	65 768	9°3									
3302	8	16°2680	19°3390	8*	5°1193	7°5591							408	20°3597	2°0560	65 773	8°0
3303	13	19°8357	19°8242	8	8°7050	7°9085							368	19°0295	2°1152	65 771	9°0
3304	14	20°8543	19°6142	14	9°7103	7°6598							478	25°8840	5°9194	65 780	9°1
3305	388	23°2854	19°7352	388	12°1456	7°6880	65 766	9°4								66 664	5°0
3306	448	16°1359	20°6879	428	5°0358	8°9101	65 758	9°0									
3307	25	24°8259	20°6789	22	13°7195	8°5727											
3308	348	18°3231	21°4518	288	7°2492	9°5915	65 760	9°5									
3309	1118	23°6354	21°4301	1108	12°5577	9°3677	65 767	5°8									
3310	288	15°5975	22°6459	26	4°5729	10°8866	65 757	9°5									
3311	348	17°7819	22°2935	348	6°7407	10°4513	65 759	9°5									
3312	408	18°3191	22°9509	408	7°3047	11°0894	65 761	8°1									
3313	12	20°3182	23°4903	9†	9°3228	11°5536											
3314	11†	22°5951	23°7241	14	11°6056	11°7020											
3315	13*	21°4144	24°8692	14	10°4658	12°8901											
3316	8*	23°1353	24°6522	13	12°1840	12°6059											
3317	478	24°3368	24°3691	408	13°3719	12°2776	66 658	9°4									
3318	16	15°2852	25°0989	14	4°3546	13°3496											
3319	338	19°0809	25°3280	368	8°1546	13°4310	66 656	9°4									
3320				14	12°9555	13°3063											
				398	2°0122	7°6657	65 752	9°4									
R.A. 10 <sup>h</sup> 12 <sup>m</sup> to 10 <sup>h</sup> 21 <sup>m</sup>									R.A. 10 <sup>h</sup> 21 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			Centre R.A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			Centre R.A. 10 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°			Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°		
Plate 2478. 1895, March 22.			Plate 325. 1892, April 8.			Plate 2478. 1895, March 22.			Plate 3104. 1896, April 28.			Plate 2478. 1895, March 22.			Plate 3104. 1896, April 28.		
3321	10*	3°0908	14°3457	10	14°6278	2°3563	°	m.	3351	28	15°3494	14°0068	398	3°9966	2°2615	°	m.
3322	22	11°0026	14°5212	25	22°5304	2°8194	65 776	9°5	3352	12	16°6614	14°3117	14	5°3210	2°5244		
3323	8†	5°3073	15°3795	6†	16°8053	3°4698			3353				12	7°7487	2°8042		
3324	6†	7°2593	15°5756	4†	18°7476	3°7408			3354				12	12°9796	2°6185		
3325	12	10°3377	15°5661						3355	16	14°0753	15°1945	18	2°7666	3°4927		
3326	508	13°5350	15°3110	668	25°0354	3°7001	65 777	8°7	3356	408	16°0304	15°5001	428	4°7299	3°7296	65 782	8°7
3327	20	5°0251	17°0570	20	16°4642	5°1380			3357	10	17°4145	15°5333	16	6°1138	3°7152		
3328	348	5°2200	17°9900	328	16°6240	6°0751	65 769	9°4	3358				12	9°9839	3°3141		
3329	6*	7°1408	17°4898	8	18°5645	5°6466			3359				12	10°6304	3°1996		
3330	12*	7°8091	17°4033	10	19°2328	5°5886			3360	308	18°3806	16°3151	328	7°1082	4°4630	65 785	9°4
3331	18	5°5117	18°7118	16	16°8898	6°8100			3361	18	18°8031	16°0491	208	7°5203	4°1834		
3332	8	6°5655	18°4570	12†	17°9548	6°5908			3362	26	21°4747	16°3962	26	10°2012	4°4304		
3333				10	19°1629	6°7467			3363				8	12°7994	4°3192		
3334	14	8°9869	18°9200	12	20°3553	7°1422			3364	408	14°4652	17°4987	448	3°2352	5°7793	65 780	9°1
3335	24	10°3065	18°3280	24	21°6953	6°5984	65 774	9°5	3365	368	18°3611	17°5312	348	7°1303	5°6792	65 784	9°4
3336	14	11°8176	18°0398	19	23°2162	6°3677			3366	8*	19°4747	17°5690	12	8°2446	5°6781		
3337	468	7°3334	19°5109	468	18°6811	7°6751	65 770	8°0	3367	8†	21°2196	17°1003	14	9°9698	5°1460		
3338	26	3°5306	20°8122	22	14°8341	8°8341			3368	23	23°1559	17°5289	268	11°9202	5°5124		
3339	10	4°2173	20°1742	12	15°5430	8°2206			3369				12	13°0256	5°8445		
3340	14	8°1867	20°4157	14	19°5004	8°6096			3370	28	20°0691	18°7649	268	8°8791	6°8550		
3341	328	13°8844	20°3770	288	25°1968	8°7775	65 778	9°4	3371	8*	20°3950	18°0378	10	9°1752	6°1139		
3342				11	16°2934	9°0897			3372				12	9°4381	6°5295		
3343	12	6°6048	21°7542	20	17°8704	9°8910			3373	12	22°3906	18°0419	16	11°1729	6°0519		
3344	15	5°5936	22°7896	14	16°8218	10°8877			3374	36	23°4348	18°5375	408	12°2347	6°5106	65 788	8°4
3345	30	11°2330	22°8408	288	22°4562	11°1460	65 775	9°5	3375	368	14°5664	19°9701	368	3°4209	8°2491	65 781	9°2
3346				8	14°7066	11°4278			3376	10	15°8525	19°9944	16	4°7088	8°2276		
3347	28	8°9251	24°8692	28	20°0754	13°0855	66 663	9°4	3377				12	11°3518	7°3306		
3348	22	13°8760	24°4895	17	25°0365	12°8845			3378				12	13°6400	7°8466		
									3379	6*	20°8026	20°1444	12	9°6563	8°2049		
									3380	448	21°5825	20°2402	408	10°4397	8°2762	65 786	8°5
									3381	12	16°7168	21°4647	14	5°6213	9°6681		
									3382	18	19°2214	21°1091	208	8°1123	9°2250		
									3383				14	12°7478	9°6790		
									3384				188	13°7000	9°1693		
									3385	11†	20°0435	22°6911	168	8°9889	10°7797		
									3386				8	4°8835	11°9464		
									3387				8	4°8846	11°9551		
									3388				12	6°2772	11°1481		
									3389				16	10°6801	11°7458		
									3390				12	10°7486	11°7892		
									3391				8	6°6956	12°8531		
									3392				12	6°8590	12°8316		
									3393	19	19°0142	24°0179	208	8°0081	12°1387		
									3394				8	10°5385	12°2602		
									3395				14	3°9471	13°4561		
									3396				10	4°6802	13°9389		



R.A. 10<sup>h</sup> 21<sup>m</sup> to 10<sup>h</sup> 30<sup>m</sup>—*contd.*

R.A.  $10^h 30^m$  to  $10^h 39^m$ —*contd.*

3397				12	6'5633	13'6100	°	m.
3398	6*	19'3650	25'5022	16	8'4069	13'6124		
3399	54§	20'0164	25'5734	44§	9'0608	13'6619	66 672	8·3
3400	34†	22'8258	25'6096	30§	11'8693	13'5957	66 673	9·4
3401				10	11'8751	13'7747		
3402				22§	13'1976	13'1108		
	64	26'7545	20'0499	67§	2'2277	3'6265	65 777 65 791	8·7 8·5

3447	33§	8:4894	24:7948	30§	19:4114	12:9100	66° 677	m. 9:3
3448				10	22:8659	12:8837		
3449	10†	13:5525	24:6336	14	24:4737	12:9350		
3450	27	3:2194	25:0752	24§	14:1309	12:9941		
3451				10	14:4573	13:0161		
3452	14*	13:2811	25:3472	18	24:1772	13:6360		
	37§	1:0851	18:6638				65 788	8:4
	65§	6:4220	26:5927				66 675	9:0

R.A.  $10^{\text{h}} 39^{\text{m}}$  to  $10^{\text{h}} 48^{\text{m}}$

3403	32§	3'6869	14'8544	38§	14'9'57	2'7986	65° 790	m.
3404	16	7'5863	14'6850	16†	18'8752	2'7738		9'4
3405	12	9'6113	15'5326	14	20'8683	3'6930		
3406	30§	11'6103	15'2773	40§	22'8780	3'5124		
3407	16	13'3858	15'5744	18*	24'6375	3'8758		
3408	12	6'5409	16'0728	12	17'7809	4'1236		
3409	8	9'0847	16'1889	6*	20'3162	4'3324		
3410	12	9'8636	16'6371	14	21'0782	4'8050		
3411	8	11'2205	16'8874	15	22'4244	5'1085		
3412	32§	5'6699	17'3684	34§	16'8611	5'3840		
3413	18	6'5697	17'4028	24	17'7583	5'4526		
3414	10	8'3603	17'8229	10	19'5338	5'9371		
3415	8	9'6696	17'1718	9†	20'8669	5'3350		
3416	10	10'0452	17'1594	9	21'2437	5'3341		
3417	22	13'9039	17'7282	29§	25'0790	6'0441		
3418	10	4'2827	18'9220	10	15'4201	6'8865		
3419	14	8'7755	18'4983	20	19'9237	6'6273		
3420	14	12'2888	18'3769	18	23'4386	6'6358		
3421	6	3'8797	19'1768	8	15'0068	7'1261		
3422	40§	4'5005	19'9370	44§	15'6017	7'9104	65 791	8'5
3423	8	6'7184	19'8184	12	17'8197	7'8706		
3424	20	10'1875	19'1743	22	21'3101	7'3541		
3425	6†	10'4284	19'2947	6	21'5477	7'4834		
3426	18	11'2870	19'6073	17	22'3938	7'8275		
3427	42§	11'5058	19'2850	40§	22'6254	7'5149	65 796	9'2
3428	20	11'5404	19'7689	23	22'6436	8'0010		
3429	52§	13'4216	19'0334	59§	24'5503	7'3334	65 797	8'3
3430	9†	3'7194	20'1832	12	14'8113	8'1246		
3431	21	4'2767	20'0515	20	15'3737	8'0133		
3432	38§	4'6756	20'5299	38§	15'7548	8'5084	65 792	9'3
3433				10	18'8062	9'0598		
3434	44§	13'5962	20'8303	49§	24'6556	9'1359	65 798	8'0
3435	10†	6'8488	21'9404	10	17'8750	9'9965		
3436	20	9'4116	21'0629	20§	20'4677	9'2119		
3437	30§	13'3379	21'6331	30§	24'3682	9'9273		
3438	8	13'7588	21'0798	8*	24'8106	9'3900		
3439	10†	4'4856	22'8080	12	15'4771	10'7755		
3440	34§	5'6549	22'3199	32§	16'6653	10'3340	65 793	9'5
3441	8*	11'6216	22'3500	10	22'6248	10'5759		
3442	16	13'7489	22'2819	16	24'7558	10'5897		
3443				12	14'8696	11'6272		
3444				10	15'9408	11'7207		
3445	16	6'9223	23'1290	16	17'9028	11'1913		
3446	34§	11'5129	23'1209	32§	22'4929	11'3462	65 795	9'5

3453	48§	16:6097	14:7878	62§	5:0874	2:8936	65° 801	8:7
3454	10	17:7624	14:0176					
3455	34§	19:2944	14:5189	34	7:7631	2:5257	65 804	9:5
3456	12	15:6203	15:6585					
3457	12	16:2084	15:5764					
3458	12	18:1396	15:6163	6*	6:6454	3:6633		
3459	18	21:5117	15:2148	11	10:0017	3:1442		
3460	12	14:5802	16:6472					
3461	10	20:5968	16:0489	7†	9:1163	4:0152		
3462	13	23:9806	16:6057	12	12:5201	4:4454		
3463	26§	17:2924	17:6478	30	5:8747	5:7244		
3464	22	17:5380	17:6798	20	6:1190	5:7465		
3465	48§	22:8520	17:7460	54§	11:4342	5:6251	65 805	8:6
3466	16	24:6862	17:5403	11	13:2561	5:3552		
3467	23	25:0915	17:0918	20	13:6490	4:8915		
3468	38§	15:9493	18:5484	44§	4:5653	6:6759	65 799	9:0
3469	26§	20:9062	18:7312	28	9:5234	6:6791		
3470	22	14:4144	19:2721	14†	3:0548	7:4531		
3471	14	15:9131	19:2697	10*	4:5545	7:3958		
3472	26	17:8114	19:7725	28	6:4693	7:8313		
3473	11	23:1683	19:6879	7†	11:8163	7:5541		
3474	10	16:0994	20:5858					
3475	10	16:5026	20:0517					
3476	10	21:0814	20:4872	12*	9:7598	8:4267		
3477	32§	17:3305	21:7799	38§	6:0609	9:8560	65 802	8:7
3478	82§	18:0156	21:8963	94§	6:7469	9:9446	65 803	6:5
3479	21	22:9878	21:9539	24	11:7175	9:8242		
3480	12†	24:7429	21:4913	22	13:4555	9:3025		
3481	16	15:5314	22:0605	18	4:2737	10:1982		
3482	10	23:3667	22:8382	20	12:1308	10:6950		
3483	9	21:0842	23:9049	10	9:8825	11:8441		
3484	26	14:4404	24:9962	26	3:2860	13:1720		
3485	12	17:4928	24:3537	11†	6:3143	12:4210		
3486	9	18:4875	24:7483	4†	7:3200	12:7792		
3487	26	16:5707	25:8378	24	5:4450	13:9355		
3488	65§	16:5905	25:8090	70§	5:4678	13:9053	66 682	7:8
3489	80§	23:8822	25:7051	56§	12:7450	13:5385	66 687	8:3
				63§	2:0556	7:2512	65 797	8:3
				51§	2:2920	9:0415	65 798	8:0
	30§	17:3140	26:1377				66 684	9:0

x réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

Z O N E + 65°.

R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 57 <sup>m</sup>							R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 57 <sup>m</sup> —contd.										
Centre		R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°		R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			Centre		R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°		R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°						
Plate 3123. 1896, May 4.		Plate 322. 1892, April 2.					Plate 3123. 1896, May 4.		Plate 322. 1892, April 2.								
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
B. D.							B. D.										
No.							No.										
Mag.							Mag.										
3490	54§	4°9'30.5	14°8'61.5	60§	16°20'61	2°78'96	65° 808	7.5	3549	15	8°23'03	23°12'09	6†	19°21'57	11°15'46	°	m.
3491	18	5°22'55	14°5'83.3	14	16°50'95	2°51'93			3550	30§	9°46'70	23°78'81	32	20°43'19	11°86'54		
3492	16	10°57'80	14°77'03						3551	10	11°49'06	23°04'16					
3493	35§	2°80'40	15°27'76	32§	14°06'52	3°13'13			3552	20	11°73'12	23°39'64	12	22°70'80	11°55'22		
3494	10	6°92'30	15°44'07	6*	18°16'23	3°46'21			3553	16	3°98'87	24°77'59	14	14°91'89	12°66'57		
3495	8	7°83'92	15°65'43						3554	14†	6°56'83	24°86'22	12	17°49'44	12°84'18		
3496	26	3°14'43	16°13'52	16	14°37'90	4°00'11			3555	18	7°13'13	24°18'41	12	18°08'39	12°17'96		
3497	19	3°72'67	16°35'39	10†	14°95'11	4°23'80			3556	28§	7°37'33	24°10'65	28	18°32'53	12°11'04	66 693	9.5
3498	44§	6°10'26	16°30'53	44§	17°32'59	4°27'09	65 809	8.8	3557	16	9°77'38	24°48'23	9	20°71'11	12°56'54		
3499	12	9°73'89	16°11'12						3558	24	8°92'57	25°07'22	24	19°81'85	13°96'73	66 694	9.5
3500	10	10°60'03	16°52'60						3559	18	11°55'52	25°74'33	10†	22°44'97	13°88'97		
3501	36§	11°58'21	16°95'26	38§	22°77'67	5°10'57			3560	18	12°32'66	25°11'22	8*	23°24'46	13°28'57		
3502	12	12°12'31	16°51'78														
3503	20	13°95'65	16°74'97	8	25°15'60	4°98'75											
3504	8	5°54'56	17°21'73														
3505	10†	8°55'87	17°59'00														
3506	10†	9°16'52	17°22'05														
3507	8	9°62'48	17°48'97														
3508	38§	12°58'52	17°78'46	40§	23°75'53	5°97'18	65 814	9.4									
3509	12	13°07'25	17°76'80														
3510	16	13°47'55	17°91'30	6	24°63'59	6°13'33											
3511	10	3°84'67	18°82'20														
3512	26	3°99'00	18°17'07	14	15°16'33	6°06'10											
3513	16	4°05'33	18°22'54	10†	15°21'48	6°11'77											
3514	16	6°83'14	18°76'83														
3515	14	7°73'03	18°73'78														
3516	18	8°49'08	18°18'68	9	19°65'00	6°23'37											
3517	12	12°36'50	18°60'09														
3518	20	9°77'08	19°45'41	13	20°88'49	7°54'46											
3519	28§	10°28'43	19°75'46	28	21°38'54	7°86'37											
3520	14	11°04'68	19°78'95														
3521	12	12°18'59	19°96'02														
3522	14	13°07'55	19°49'11														
3523	14	13°11'22	19°89'44														
3524	20	5°08'24	20°67'72	4*	16°15'56	8°60'57											
3525	42§	8°23'22	20°90'50	46§	19°29'54	8°94'25	65 811	8.3									
3526	20	9°95'32	20°74'29	18	21°02'24	8°84'25											
3527	16	13°15'65	20°36'48	5†	24°23'52	8°56'92											
3528	12	13°22'84	20°43'61														
3529	7	13°80'66	20°05'98														
3530	18	13°84'76	20°04'28	7	24°93'56	8°27'30											
3531	18	13°98'70	20°78'29														
3532	18	5°33'75	21°69'12	13	16°37'60	9°63'06											
3533	12	7°24'82	21°12'10														
3534	22§	8°18'00	21°88'13	26	19°21'14	9°91'61											
3535	18	9°46'41	21°32'10	10	20°51'46	9°39'90											
3536	38§	12°14'31	21°80'36	38§	23°17'42	9°97'59	65 813	9.1									
3537	20	13°91'04	21°46'62	19	24°95'35	9°69'77											
3538	31§	4°15'27	22°83'46	32§	15°15'30	10°72'98	65 806	9.5									
3539	13	6°45'75	22°39'69														
3540	12	9°37'75	22°38'62														
3541	18	10°21'40	22°71'08	6	21°21'52	10°81'27											
3542	34§	10°68'21	22°38'69	28§	21°69'18	10°50'38											
3543	26§	11°68'86	22°91'34	26	22°68'39	11°06'54											
3544	36§	11°70'76	22°60'11	42§	22°71'12	10°75'46	65 812	9.0									
3545	12	12°64'13	22°32'02														
3546	48§	6°25'99	23°79'60	52§	17°22'45	11°76'40	66 691	8.0									
3547	20	6°35'98	23°53'60	14	17°33'38	11°50'59											
3548	12	6°74'05	23°93'74	6†	17°70'29	11°92'23											

R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 57 <sup>m</sup> —contd.								
Centre		R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°		R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				
Plate 3123. 1896, May 4.		Plate 322. 1892, April 2.						
No.	Diam.	x.	y.	Diam.	x.	y.		
B. D.								
No.								
Mag.								
3549	15	8°23'03	23°12'09	6†	19°21'57	11°15'46	°	m.
3550	30§	9°46'70	23°78'81	32	20°43'19	11°86'54		
3551	10	11°49'06	23°04'16					
3552	20	11°73'12	23°39'64	12	22°70'80	11°55'22		
3553	16	3°98'87	24°77'59	14	14°91'89	12°66'57		
3554	14†	6°56'83	24°86'22	12	17°49'44	12°84'18		
3555	18	7°13'13	24°18'41	12	18°08'39	12°17'96		
3556	28§	7°37'33	24°10'65	28	18°32'53	12°11'04	66 693	9.5
3557	16	9°77'38	24°48'23	9	20°71'11	12°56'54		
3558	24	8°92'57	25°07'22	24	19°81'85	13°96'73	66 694	9.5
3559	18	11°55'52	25°74'33	10†	22°44'97	13°88'97		
3560	18	12°32'66	25°11'22	8*	23°24'46	13°28'57		
	80§	1°83'91	25°72'86				66 687	8.3

R.A. 10 <sup>h</sup> 57 <sup>m</sup> to 11 <sup>h</sup> 6 <sup>m</sup>								
Centre		R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°		R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				
Plate 3123. 1896, May 4.		Plate 3068. 1896, April 10.						
No.	Diam.	x.	y.	Diam.	x.	y.		
B. D.								
No.								
Mag.								
3561	14	15°07'20	14°71'90	8*	3°67'11	2°85'03	°	m.
3562	18	15°67'08	14°51'21	12*	4°26'22	2°62'26		
3563	24§	17°37'57	14°24'29	23	5°95'84	2°29'00		
3564	26§	17°02'52	15°23'86	22	5°64'09	3°29'54		
3565	14	19°14'62	15°74'11	9	7°78'28	3°72'14		
3566	14	19°29'96	15°62'67	11	7°92'71	3°59'73		
3567	16	20°51'47	15°41'30	14	9°13'42	3°34'67		
3568	18	20°76'53	15°26'37	16	9°37'92	3°18'65		
3569	14	14°28'68	16°86'29					
3570	12	15°42'51	16°68'11					
3571	14	15°88'34	16°96'58	5	4°56'21	5°06'51		
3572	18	19°47'03	16°07'68	14	8°11'71	4°04'23		
3573	34§	23°35'46	17°42'17	38§	12°04'54	5°25'12	65 819	9.2
3574	19	23°56'68	17°20'33	14	12°28'24	5°02'38		
3575	40§	23°60'35	17°18'01	44§	12°28'65	4°99'70	65 820	9.0
3576	14	16°10'04	18°50'90	10	4°83'43	6°59'65		
3577	62§	16°96'44	18°07'93	64§	5°68'21	6°13'65	65 817	7.1
3578	24	18°10'48	18°66'45	26	6°84'35	6°68'25		
3579	8	20°03'12	18°87'81	8	8°77'63	6°82'29		
3580	22	20°65'73	18°93'32	20	9°40'47	6°85'49		
3581	12	15°62'24	19°97'75	10	4°41'13	8°08'15		
3582	28§	16°98'67	19°42'86	30	5°75'58	7°48'48	65 818	9.5
3583	7	17°20'43	19°89'98					
3584	27	23°20'25	19°25'87	26§	11°96'21	7°08'85		
3585	18	23°79'23	19°12'98	16	12°54'57	6°93'80		
3586	16	16°03'42	20°46'63	16	4°83'87	8°55'50		
3587	22	16°63'47	20°00'00	22	5°42'40	8°06'54		
3588	12	21°68'58	20°37'01	10	10°48'45	8°25'77		
3589	7	22°08'40	20°36'98	8†	10°88'33	8°24'57		
3590	14	23°60'08	20°04'95	12	12°38'59	7°86'43		
3591	12	14°63'40	21°31'22	7*	3°46'85	9°45'30		
3592	28	24°33'71	21°47'45	24	13°17'55	9°26'40		
2593	38§	24°58'16	21°68'79	36§	13°42'5			

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec. +  $65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec. +  $66^{\circ}$ .



## ZONE + 65°.

							B. D.									B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
R.A. 10 <sup>h</sup> 57 <sup>m</sup> to 11 <sup>h</sup> 6 <sup>m</sup> —contd.									R.A. 11 <sup>h</sup> 15 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>								
Centre R.A. 10 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			Plate 3123. 1896, May 4.			Plate 3068. 1896, April 10.		
Plate 3123. 1896, May 4.			Plate 3068. 1896, April 10.			Plate 2502. 1895, March 29.			Plate 938. 1893, March 29.								
3600	12	16·9659	23·0839	10	5·8669	11·1404	°	m.	3651	26§	16·4082	14·7879	26	5·3066	3·1792	65° 827	9·3
3601	10	17·5003	23·0368	8†	6·3978	11·0700			3652	10	17·5023	15·9585					
3602	10	17·5644	23·7399						3653	8	18·2923	15·1382					
3603	34§	20·3247	23·5501	28§	9·2386	11·4849			3654	12	19·7011	16·7021	10	8·6780	4·9512		
3604	16	20·8355	23·5107	14	9·7479	11·4272			3655	22	22·8095	16·6220	22	11·7761	4·7428		
3605	20	14·5357	24·5501	18	3·4892	12·6905			3656	36§	16·5340	17·0665	36§	5·5253	5·4490	65 829	9·0
3606	10	15·5483	24·8496	5	4·4605	12·8831			3657	12	21·0506	17·0287	10	10·0357	5·2224		
3607	10	18·0357	24·1719						3658	28	23·4588	18·9133	16	12·5199	7·0042		
3608	42§	18·9580	24·7136	38§	7·9159	12·6940	66 698	9·5	3659	12	21·8665	19·5980	8	10·9605	7·7581		
3609	12	14·1252	25·6871						3660	24	24·3985	19·6027	8	13·4881	7·6576		
3610	16	15·8248	25·3731	16	4·8061	13·4696			3661	15	21·8107	20·2474	8†	10·9311	8·4077		
3611	12	17·1649	25·6682	8	6·1552	13·7139			3662	28§	22·0885	20·1781	20§	11·2045	8·3277		
3612	16	19·0082	25·5152	20	7·9961	13·4921			3663	12	15·4377	21·9474					
3613				12	9·6853	13·6881			3664	44§	18·0179	21·0481	42§	7·1733	9·3653	65 830	8·0
R.A. 11 <sup>h</sup> 6 <sup>m</sup> to 11 <sup>h</sup> 15 <sup>m</sup>									3665	24	15·4696	22·0212	16	4·6703	10·4406		
Centre R.A. 11 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			Plate 2502. 1895, March 29.			3666	28§	21·5347	22·5963	24	10·7530	10·7693	65 831	9·3
Plate 2502. 1895, March 29.			Plate 3068. 1896, April 10.						3667	37§	21·7274	22·1929	26§	10·9291	10·3570	65 832	9·2
									3668	40§	24·1805	22·5312	26§	13·3928	10·5916	65 833	9·4
3614	10†	4·3095	14·0376	6*	15·8896	2·0636	°	m.	3669	18	17·9996	23·2671	10	7·2478	11·5809		
3615	16	5·9434	14·3819	19	17·5153	2·4636			3670	42§	18·4597	23·8179	30§	7·7285	12·1144	66 718	9·1
3616	12	10·5737	14·4387	8*	22·1413	2·6688			3671	44§	18·8358	23·4352	34§	8·0903	11·7155	66 719	9·0
3617	14	12·4855	14·8948						3672	12	17·3234	24·6561					
3618	12	4·6533	15·2029	14	16·1957	3·2463			3673	48§	19·8676	24·0691	30§	9·1456	12·3075	66 720	9·0
3619	16	10·9263	15·2200	10†	22·4695	3·4630			3674	14	20·1648	24·0229	12	9·4436	12·2501		
3620	22	2·9977	16·7966	30	14·4932	4·7840			3675	17	21·2814	25·4140	12	10·6146	13·5907		
3621	10	5·5933	16·0405	10*	17·1117	4·1110							25	1·5465	13·6830	66 715	8·8
3622	12	6·2660	16·0130	10	17·7858	4·1039			R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 33 <sup>m</sup>								
3623	12	7·0434	16·7653	13	18·5363	4·8828			Centre R.A. 11 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°			R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			Plate 331a. 1892, April 9.		
3624	12	8·3040	16·1421	7	19·8194	4·3000			Plate 331a. 1892, April 9.			Plate 938. 1893, March 29.					
3625	16	8·6459	16·5462	18	20·1467	4·7148			3676	18	4·2458	14·0319	12†	15·8224	2·0009	°	m.
3626	20§	11·3469	16·1367	28	22·8594	4·3914	65 826	9·5	3677	18	4·1975	15·3903	18†	15·7291	3·3525		
3627	6	2·6787	17·2413	12	14·1588	5·2188			3678	24§	7·0443	15·7350	20	18·5618	3·7987	65 834	9·5
3628	22	5·8382	17·9813	26	17·2940	6·0585			3679	36§	9·8630	16·3982	35§	21·3549	4·5581	65 837	9·2
3629	20	13·0409	17·6713	25	24·5024	5·9786			3680	22§	11·8765	16·7517	17	23·3561	4·9800	65 840	9·5
3630	12	13·0464	17·5418						3681	7	13·5257	16·9538					
3631	8	2·9074	18·0296	14	14·3629	6·0113			3682	32§	8·5442	17·4992	28	19·9987	5·6106	65 835	9·4
3632	12	4·9114	18·3416	14	16·3531	6·3902			3683	10	9·8281	17·4890	6†	21·2841	5·6494		
3633	18	8·3732	18·3625	18	19·8135	6·5214			3684	16	11·3278	17·1881	9†	22·7924	5·3960		
3634	54§	7·5668	19·2932	62§	18·9824	7·4280	65 823	7·0	3685	16	2·8136	18·0112	12	14·2541	5·9294		
3635	12	9·3548	19·8037	5†	20·7522	7·9954			3686	16§	6·9079	18·5104	12†	18·3270	6·5689		
3636	10	12·6646	19·5337	6*	24·0727	7·8275	65 822	9·4	3687	28§	13·5836	18·1372	23	25·0135	6·4204	65 842	9·4
3637	24§	7·4707	20·1505	30§	18·8554	8·2785			3688	18	6·0546	19·6083					
3638	20§	12·0389	20·6815	23	23·4070	8·9568			3689	20	6·0831	19·1832	10	17·4828	7·2125		
3639	10	5·2415	21·5993	16	16·5836	9·6571			3690	12	10·4801	19·6087	5	21·8632	7·7885		
3640	16	9·4494	21·9431	16	20·7756	10·1362			3691	8	11·1162	20·8435					
3641	14	9·9007	21·8645	16	21·2300	10·0723			3692	8	12·8948	20·5157					
3642	30§	9·3870	22·7436	32§	20·6899	10·9356	65 824	9·5	3693	16	7·5288	21·5907	14	18·8449	9·6688		
3643	16	12·0419	22·2934	13	23·3552	10·5679			3694	10	3·1408	22·3057					
3644	36§	8·0575	23·3893	42§	19·3377	11·5374	66 710	9·2	3695	14	7·4700	22·4141	10	18·7578	10·4886		
3645	30§	10·1555	23·4160	28§	21·4342	11·6305	66 713	9·3	3696	11	3·2272	23·9377					
3646	31§	10·5289	23·9948	34§	21·7898	12·2199			3697	22§	6·8966	23·6478	14	18·1429	11·7015		
3647	15	13·5549	24·7900	12	24·7841	13·2001			3698	18	6·9804	23·8427	12	18·2179	11·8997		
3648	26	13·7153	24·6015	19	24·9557	12·9285			3699	56§	8·3793	23·7110	46§	19·6206	11·8148	66 724	7·2
3649	16	5·8488	25·7794	20	17·0554	13·8554			3700	26§	11·3177	23·6655	22§	22·5594	11·8714	66 726	9·5
3650	40§	12·2139	25·1311	42§	23·4356	13·4093	66 715	8·8	3701	10	13·8158	23·0998					

1 réseau interval represents very nearly 5' = 47·3 of R.A. at Dec. + 65°, and 49·2 at Dec. + 66°.

## ZONE + 65°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
No.							No.						
Mag.							Mag.						
R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 33 <sup>m</sup> —contd.							R.A. 11 <sup>h</sup> 42 <sup>m</sup> to 11 <sup>h</sup> 51 <sup>m</sup>						
Centre R.A. 11 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°							Centre R.A. 11 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° R.A. 11 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°						
Plate 331a. 1892, April 9. Plate 938. 1893, March 29.							Plate 2522. 1895, April 10. Plate 2521. 1895, April 10.						
3702	9	3.6463	24.2198				3752	10	7.2148	14.9868	16	18.5971	2.9398
3703	12	8.1260	25.5760	12	19.3010	13.6717	3753	16	7.6290	14.0892	19	19.0448	2.0588
3704	18	12.0796	25.3361	11	23.2634	13.5686	3754	10	10.5979	15.0376	9†	21.9797	3.1104
3705	26§	13.0278	25.4754	16	24.2051	13.7398	3755	12	10.1350	16.4125	13	21.4641	4.4682
3706	10	13.7051	25.1471				3756	12	4.0658	17.5866	12	15.3601	5.4237
R.A. 11 <sup>h</sup> 33 <sup>m</sup> to 11 <sup>h</sup> 42 <sup>m</sup>							3757	4*	6.1315	17.9969	10	17.4083	5.9066
Centre R.A. 11 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° R.A. 11 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°							3758	22	4.2856	18.5742	18	15.5435	6.4200
Plate 331a. 1892, April 9. Plate 2521. 1895, April 10.							3759	5*	5.5747	18.0917	10	16.8489	5.9821
3707	22	15.1854	14.4112	14	3.7430	2.4159	3760	10	8.6188	18.5022	14	19.8776	6.5034
3708	34§	23.6040	14.6619	30§	12.1628	2.3530	3761	26	11.7139	19.1879	25§	22.9461	7.3003
3709	25§	24.2006	14.4403	20	12.7514	2.1084	3762	28	11.8491	19.4687	28	23.0718	7.5856
3710	24	24.2977	14.8643	16	12.8646	2.5279	3763				12	22.1450	8.9431
3711	14	16.0246	15.5465	9†	4.6204	3.5168	3764	20	11.0576	20.5873	22	22.2400	8.6735
3712	22	16.3976	15.1935	17	4.9825	3.1509	3765	40§	10.4069	21.2567	40§	21.5640	9.3218
3713	8	17.3059	15.1516				3766	16	11.4496	21.4782	20	22.6023	9.5795
3714	18	17.9293	15.7910	9	6.5354	3.6906	3767	18	12.7803	21.0920	19	23.9460	9.2390
3715	28§	22.5010	15.1303	26	11.0800	2.8604	3768	24	13.4533	21.2145	26§	24.6125	9.3871
3716	8	14.3414	16.1137				3769	40§	3.0732	22.6744	38§	14.1857	10.4739
3717	14	23.1271	16.2248	12	11.7461	3.9306	3770				12	21.4533	10.3685
3718	10	14.0108	17.2207	7	2.6732	5.2678	3771	16	11.5509	22.5200	18	22.6640	10.6219
3719	40§	16.4143	17.0138	34§	5.0652	4.9695	3772	18	13.1557	22.2134	25	24.2781	10.3726
3720	18	18.1376	17.7490	18	6.8165	5.6389	3773	13†	7.8753	23.6540	14	18.9472	11.6214
3721	26§	16.8993	18.0538	18	5.5900	5.9910	3774	20	9.6836	23.3889	18	20.7663	11.4246
3722	10	17.1150	18.0839	8†	5.8060	6.0139	3775	44§	11.5192	23.2630	44§	22.6076	11.3652
3723	18	23.9897	18.4099	22	12.6884	6.0825	3776	10	13.4990	23.6362	10	24.5710	11.8075
3724	20	15.6762	19.4348	16	4.4188	7.4139	3777				10	21.1806	12.1809
3725	10	15.7669	19.0594	6†	4.4974	7.0388	3778	7	12.2823	24.4010	14	23.3272	12.5313
3726	10	15.7800	19.2637	7	4.5159	7.2422					76§	25.5383	11.7410
3727	16	17.1248	19.5740	12	5.8699	7.5017	R.A. 11 <sup>h</sup> 51 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup>						
3728	8	20.1628	19.2679	6	8.8945	7.0839	Centre R.A. 11 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°						
3729	10	20.9626	19.5885	8†	9.7069	7.3718	Plate 2522. 1895, April 10. Plate 940. 1893, March 29.						
3730	24	14.8234	20.7198	18	3.6137	8.7309	3779	18	15.8228	14.1767	13	4.5613	2.3104
3731	22	15.8395	20.6809	22	4.6286	8.6558	3780	22	15.9194	14.2366	16	4.6616	2.3654
3732	6†	16.4428	20.9377				3781	16	19.6142	14.7377	11	8.3691	2.7313
3733	54§	20.9219	20.3772	46§	9.6938	8.1610	3782	21	24.0322	14.6022	18	12.7790	2.4368
3734	26§	21.3774	20.1898	20	10.1457	7.9598	3783	17	24.0536	14.6229	16	12.8027	2.4574
3735	9	22.6674	20.3900	10	11.4404	8.1125	3784	18	19.2084	15.3984	12	7.9931	3.4086
3736	16	17.4093	22.9341	16	6.2811	10.8508	3785	16	21.2553	15.6279	20	10.0430	3.5583
3737	20	18.2455	22.4679	18	7.0986	10.3519	3786	24	21.6017	15.5767	22	10.3859	3.4978
3738	8	21.9146	22.2204	8	10.7596	9.9687	3787	14	22.0125	15.7549	7	10.8019	3.6605
3739	20	16.2537	23.4012	14	5.1434	11.3591	3788	8	17.3987	16.7087	4†	6.2323	4.7790
3740	16	18.9744	23.3623	12	7.8595	11.2194	3789	34§	16.7749	18.6372	28§	5.6752	6.7300
3741	17	23.6832	23.7576	14	12.5785	11.4387	3790	34§	18.4249	18.9928	30	7.3369	7.0255
3742	10	18.8507	24.7384	10	7.7856	12.5967	3791	18	16.2566	19.6538	11	5.1932	7.7647
3743	23	19.8813	24.5215	24	8.8117	12.3432	3792	38§	16.6256	19.2164	36§	5.5463	7.3164
3744	22	22.4561	24.9510	24	11.3953	12.6767	3793	24	18.7571	19.4288	16	7.6846	7.4503
3745	40§	14.1621	25.0883	36§	3.1145	13.1253	3794	74§	20.8624	19.9765	72§	9.8064	7.9215
3746	14	19.7026	25.2589	10	8.6578	13.0877	3795	26	14.6276	20.2811	22	3.5870	8.4514
3747	12	20.0239	25.9682	16	9.0044	13.7824	3796	18	16.7845	20.9978	10	5.7694	9.0902
3748	17	21.6638	25.8291	12	10.6400	13.5843	3797	42§	22.1643	21.5677	32§	11.1646	9.4674
3749	11	21.9640	25.6510	12	10.9298	13.3936	3798	72§	14.4633	23.5336	72§	3.5423	11.7104
3750				10	10.9684	13.1691	3799	37§	23.4512	23.2198	32§	12.5124	11.0697
3751	8	19.5970	26.0025	6	8.5814	13.8370	3800	31§	18.5395	25.2364	38§	7.6762	13.2619
				103§	2.8250	0.8897	3801	26†	23.9966	25.3056	26	13.1260	13.1315
				40§	8.2412	0.8687							
				57§	13.5562	1.2848							
47§	25.3246	22.8527											

No. 3798. The R.A. given in the B.D. appears to be 1<sup>m</sup> too small.1 réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.



## ZONE + 65°.

B. D.									B. D.								
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 9 <sup>m</sup>									R.A. 12 <sup>h</sup> 9 <sup>m</sup> to 12 <sup>h</sup> 18 <sup>m</sup> — <i>contd.</i>								
Centre	R.A. 12 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			Centre	R.A. 12 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			
	Plate 336. 1892, April 11.			Plate 940. 1893, March 29.				Plate 336. 1892, April 11.			Plate 941. 1893, March 29.			Plate 941. 1893, March 29.			
3802	13	4°0589	14°4251				3851	10	20°2461	18°0778							
3803	18	5°9199	14°1310				3852	14	22°1563	18°1202	10†	10°9620	5°8797				
3804	27§	6°1218	14°0777	28	17°6263	1°8977	3853	43§	22°3737	18°1613	40§	11°1777	5°9102	65	878	8·7	
3805	16	8°0974	14°5347	9†	19°5858	2°4222	3854	13	24°7330	18°8667	15	13°5631	6°5301				
3806	42§	11°7835	14°2906	37§	23°2765	2°3079	3855	14	17°5713	19°0288	13	6°4134	6°9541				
3807	14	11°9132	14°0176				3856	12	17°6865	19°9816	10	6°5638	7°9006				
3808	42§	6°1956	15°9515	40§	17°6353	3°7754	3857	12	21°5652	19°1565							
3809	16	6°4148	15°5690	10	17°8664	3°3975	3858	12	21°8441	19°5731	11†	10°7034	7°3445				
3810	12	8°0960	15°8569				3859	10	20°4575	20°2332	6†	9°3420	8°0496				
3811	12	11°0307	15°3171				3860	23§	24°8763	20°1044	20	13°7542	7°7611				
3812	22	3°8256	16°3067	12	15°2545	4°0438	3861	12	14°4032	21°6603	6	3°3427	9°7014				
3813	10	6°8799	16°0522				3862	10	19°7945	21°5428							
3814	12	9°7441	16°0815				3863	26§	19°8241	21°3542	16	8°7465	9°1969				
3815	14	12°8152	16°0789				3864	32	22°2170	21°0266	24	11°1272	8°7795				
3816	16	4°5470	17°1421	10	15°9466	4°9041	3865	22	22°8604	21°2791	12	11°7807	9°0054				
3817	12	2°7443	18°7947				3866	46§	15°8253	22°7331	46§	4°8054	10°7208	65	877	8·3	
3818	28§	6°9191	18°4421	22	18°2715	6°2877	3867	7	17°6124	22°7164	4	6°5880	10°6401				
3819	18	9°5993	18°6365	16	20°9426	6°5761	3868	10	18°7967	22°0108	4	7°7449	9°8900				
3820	14	3°6344	20°3519	8	14°9201	8°0808	3869	14	19°9593	23°7556	12	8°9712	11°5897				
3821	14	3°7518	20°1503	8	15°0468	7°8851	3870	33§	20°7592	23°4638	30§	9°7607	11°2704	66	755	9·5	
3822	12	7°2099	20°4467				3871	20	22°1636	23°7111	14	11°1726	11°4703				
3823	16	4°1387	21°5817	12	15°3815	9°3297	3872	16	24°0251	23°1565							
3824	18	9°4651	21°9532	14	20°6912	9°8837	3873	30	14°0619	24°7852	23§	3°1161	12°8361				
3825	12	11°1962	21°1028				3874	30	14°3452	25°2892	26	3°4173	13°3290				
3826	16	12°2827	21°5353	10†	23°5221	9°5678	3875	19	17°6576	25°8399	12	6°7505	13°7588				
3827	12	12°4315	21°0876				3876	43§	20°4361	25°1958	46§	9°5024	13°0115	66	754	8·2	
3828	14	3°0991	22°2914														
3829	20	4°2853	22°6614	12	15°4923	10°4125		48§	26°8736	15°3016				65	880	8·6	
3830	26§	7°2973	22°7778	16	18°4972	10°6350											
3831	30§	9°4150	22°8483	26§	20°6103	10°7788											
3832	12	10°8375	22°1140	7	22°0589	10°0928											
3833	14	11°4080	22°7490														
3834	12	11°4713	23°1412														
3835	47§	7°4100	24°9860	52§	18°5314	12°8452											
				32	21°5475	0°7345	65	872									
				30	25°5165	2°1904	65	875									
				46§	27°0232	10°8876	65	877									
R.A. 12 <sup>h</sup> 9 <sup>m</sup> to 12 <sup>h</sup> 18 <sup>m</sup>									R.A. 12 <sup>h</sup> 18 <sup>m</sup> to 12 <sup>h</sup> 27 <sup>m</sup>								
Centre	R.A. 12 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Centre	R.A. 12 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			
	Plate 336. 1892, April 11.			Plate 941. 1893, March 29.				Plate 2022. 1894, May 7.			Plate 941. 1893, March 29.			Plate 941. 1893, March 29.			
3836	37§	14°0199	14°0942	32	2°6827	2°1517	3877	16	3°7844	14°5689	10	15°3740	2°1203				
3837	15	14°2896	14°9952				3878	24	3°9144	14°5356	20	15°5047	2°0911	65	879	9·5	
3838	10	15°2801	14°6263				3879	8	7°2759	14°0422							
3839	15	20°8430	14°1010	8†	9°5027	1°9095	3880	20	11°5108	14°8386							
3840	26§	15°3979	15°9952	19	4°1279	4°0015	3881	40§	4°0079	15°3292	40§	15°5708	2°8898	65	880	8·6	
3841	12	21°6919	15°4100				3882	26	4°3974	15°0794	20	15°9699	2°6518	65	882	9·4	
3842	16	17°0937	16°7347	8†	5°8478	4°6799	3883	8	6°0266	15°8549							
3843	16	21°6859	16°4435	7	10°4299	4°2193	3884	10	6°8570	15°1793							
3844	17	23°1135	16°3235	13	11°8536	4°0479	3885	14	10°9193	15°3125							
3845	10	14°5027	17°1231				3886	8	13°3614	15°3347							
3846	23§	18°4921	17°4186	19	7°2749	5°3114	3887	16	2°6152	16°3924							
3847	14	22°4078	17°4065				3888	8	8°1472	16°5886							
3848	20	22°8428	17°9429	14	11°6425	5°6781	3889	16	3°1234	17°7909							
3849	17	17°0674	18°6253	16	5°8936	6°5691	3890	16	3°8462	17°7592							
3850	22	18°0049	18°2338	21	6°8159	6°1445	3891	22	4°8862	17°7485	16	16°3662	5°3374				
							3892	18	10°4637	17°2906	10*	21°9542	5°0717				
							3893	16	11°3408	17°0665							
							3894	30§	11°8571	17°4694	25	23°3446	5°2931	65	884	9·5	
							3895	14	9°6718	18°0763							
							3896	18	10°6265	18°9986	22	22°0642	6°7801				
							3897	16	11°1333	18°1386							
							3898	36§	4°2746	19°5202	30§	15°6927	7°0850	65	881	9·4	
							3899	26§	5°6932	19°7176	22	17°1053	7°3300	65	883	9·5	
							3900	16	5°7333	19°8192	14	17°1453	7°4318				
							3901	12	5°8971	19°8116							

B.D. 65°868. This is noted in the B.D. as a Nebula. It is not shown either on the Catalogue or Chart Plates.

1 réseau interval represents very nearly 5' = 47°·3 of R.A. at Dec. + 65°, and 49°·2 at Dec. + 66°.

Z O N E + 65°.

R.A. 12 <sup>h</sup> 18 <sup>m</sup> to 12 <sup>h</sup> 27 <sup>m</sup> —contd.									R.A. 12 <sup>h</sup> 36 <sup>m</sup> to 12 <sup>h</sup> 45 <sup>m</sup>										
Centre R.A. 12 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°						Centre R.A. 12 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°							
Plate 2022. 1894, May 7.			Plate 941. 1893, March 29.						Plate 345. 1892, April 25.			Plate 942. 1893, March 29.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
3902	18	11.4543	19.4691	17	22.8723	7.2798	°	m.	3950	14	9.9238	14.3784				°	m.		
3903	8	6.0383	22.4791						3951	22	10.2496	15.0428	25	21.6657	3.0012	65	900	9.5	
3904	12	11.3249	22.2994						3952	38§	8.7236	16.1726	50§	20.0974	4.0802	65	899	8.1	
3905	36§	12.3571	22.6573	36§	23.6648	10.4990	65	885	9.5	3953	10	9.8725	16.2786	10*	21.2415	4.2246			
3906	19	2.9047	23.5266						3954	18	4.0773	17.8513	20	15.3947	5.5939	65	897	9.5	
3907	16	6.9795	23.5066	11	18.2610	11.1616			3955				6	19.4942	5.5865				
3908	16	7.7207	23.1119	14	19.0161	10.7916	66	758	9.5	3956	8	8.9125	17.4452	10	20.2406	5.3599			
3909	32§	9.0613	23.9714	28§	20.3235	11.6998	66	759	9.5	3957	58§	13.7071	17.3985	72§	25.0400	5.4800	65	903	8.0
3910	11	6.4478	24.7653	14	17.6879	12.4000			3958	30§	13.4719	18.8428	42§	24.7489	6.9158	65	902	9.0	
3911	10†	3.6044	25.1093	8	14.8346	12.6457			3959	26§	2.7998	19.8992	30§	14.0475	7.5953	65	896	9.4	
3912	17	8.6961	25.4577	12	19.9099	13.1694			3960	12	8.2140	19.2868	14	19.4790	7.1732				
3913	17	10.0637	25.1526	10	21.2852	12.9107			3961	42§	10.2476	20.3236	44§	21.4751	8.2821	65	901	8.5	
3914	18	11.3535	25.3413	7	22.5658	13.1480			3962	12	4.7898	21.2480	12	15.9875	9.0110				
	58§	10.1194	26.5588				66	761	7.5	3963	14	7.0723	21.8906	18	18.2448	9.7378			
									3964	10	5.8594	22.3077	18	17.0192	10.1102				
									3965	7*	7.3482	22.5177	7	18.4992	10.3698				
									3966	14	12.5103	22.1131	20	23.6743	10.1495				
									3967	14	10.6731	23.6320	16	21.7823	11.6021				
									3968	27	4.4737	24.6206	32§	15.5505	12.3717	66	767	9.0	
									3969	6†	8.2110	24.5494	9	19.2882	12.4368				
									3970	6†	11.1277	24.4382	14	22.2065	12.4219				
									3971	20	11.2389	24.1928	30§	22.3281	12.1841				
									3972	8†	11.4202	24.5624	14	22.4966	12.5627				
									3973				14	18.9147	13.5509				
									3974	44§	12.6251	25.7960	46§	23.6576	13.8370	66	772	8.8	
										40§	1.7301	16.9422				65	894	8.8	
										51§	2.8231	22.8450				65	895	8.3	
								</											

1 réseau interval represents very nearly  $\zeta' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .



Z O N E + 65°.

R.A. 12 <sup>h</sup> 45 <sup>m</sup> to 12 <sup>h</sup> 54 <sup>m</sup> —contd.									R.A. 13 <sup>h</sup> 3 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup> —contd.										
Centre R.A. 12 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 13 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°						
Plate 345. 1892, April 25.				Plate 2526. 1895, April 10.					Plate 1995. 1894, April 21.				Plate 2537. 1895, April 14.						
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
								No.	Mag.									No.	Mag.
4000	23	18°3180	25°8032	208	7°3472	13°6599	°	m.	4044	8	15°2837	15°5994				°	m.		
4001	20	18°4350	25°4867	188	7°4535	13°3409			4045	8	15°4182	15°8981							
4002	1028	21°9170	25°9217	1208	10°9497	13°6548	66	778	5°0	4046	8	20°7151	15°7105	8†	9°4017	3°6277			
										4047	10	18°5503	16°9700	5†	7°2835	4°9640			
				658	2°4606	5°4116	65	903	8°0	4048	14	20°4815	16°4669	14	9°1894	4°3879			
				378	2°2728	6°8591	65	902	9°0	4049	14	20°5288	16°5998	16	9°2448	4°5216			
				368	1°6584	13°8397	66	772	8°8	4050	10	14°8695	17°7717						
	678	25°6640	19°8429				65	913	7°0	4051	14	15°5150	17°8395	9†	4°2780	5°9412			
										4052	12	17°4842	17°5264	12	6°2340	5°5587			
										4053	10	18°2675	17°9309	12	7°0325	5°9350			
										4054	10	14°6655	18°1584						
										4055	8	16°7439	18°0828	8	5°5193	6°1439			
										4056	12	24°0181	18°5264	12	12°7956	6°3192			
										4057	6†	21°1389	19°1596	6	9°9426	7°0560			
										4058	338	22°4055	19°4469	388	11°2201	7°2998			
										4059	428	24°9856	19°7402	428	13°8090	7°5007	65 924 9°3		
										4060	16	15°7525	20°6219	18	4°6176	8°7150			
										4061	388	16°5950	20°3666	368	5°4486	8°4294	65 917 9°5		
										4062	15	22°1477	20°9711	16	11°0190	8°8339			
										4063				12	12°3580	8°8590			
										4064	26	17°7349	21°4605	268	6°6266	9°4809			
										4065				14	12°6350	9°0242			
										4066				10	13°9033	9°6970			
										4067	24	16°1647	22°4993	20	5°0928	10°5759			
										4068	14†	16°9857	22°0868	12	5°8994	10°1351			
										4069	408	18°3999	22°8401	408	7°3408	10°8347	65 920 9°0		
										4070				10	12°1572	10°3649			
										4071	18	14°6237	23°1108	20	3°5762	11°2413			
										4072				12	10°6828	11°8610			
										4073				14	11°3183	11°0501			
										4074	24	15°8651	24°2803	22	4°8595	12°3651			
										4075	22	16°1450	24°6008	20	5°1520	12°6766			
										4076	408	17°9355	24°5299	368	6°9368	12°5392	66 795 9°5		
										4077				10	7°3345	12°4667			
										4078				12	10°0910	12°9713			
										4079	24	22°5193	24°9277	248	11°5321	12°7676			
										4080	27	16°5618	25°3321	208	5°5985	13°5928			
										4081	14	17°4728	25°6475	16	6°5122	13°6722			
										4082	4*	18°6606	25°3704	10	7°6961	13°3543			
										4083	16	20°6987	25°4359	16	9°7353	13°3437			
										4084				12	13°0260	13°8404			
														678	1°2595	3°9257	65 916 8°5		
R.A. 12 <sup>h</sup> 54 <sup>m</sup> to 13 <sup>h</sup> 3 <sup>m</sup>									R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup>										
Centre R.A. 13 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°						
Plate 1995. 1894, April 21.				Plate 2526. 1895, April 10.					Plate 2554. 1895, April 23.				Plate 2537. 1895, April 14.						
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
								No.	Mag.									No.	Mag.
4003	248	5°7939	15°0401	21	17°2277	2°9009	°	m.	4085	12	4°8061	14°4617	14	16°2053	2°3552	°	m.		
4004	14	6°4262	15°7810	9	17°8325	3°6660			4086	10	6°0658	14°9794	12	17°4439	2°9122				
4005	368	7°6988	15°5760	278	19°1128	3°5122	65	914	9°4	4087	18	6°1589	14°6205	268	17°5530	2°5592			
4006	8	8°3251	15°6816							4088	18	7°2461	14°5955	248	18°6383	2°5751			
4007	18	10°5253	15°9125	11	21°9217	3°9543				4089	8	7°6141	14°1512						
4008	388	11°7119	15°5130	438	23°1247	3°6019	65	915	8°9	4090	8	11°2880	14°5821						
4009	508	12°5741	15°7177	518	23°9779	3°8377	65	916	8°5	4091	14	3°1468	15°2773	188	14°5152	3°1109			
4010	22	11°2263	16°3653	14	22°6084	4°4317				4092	12	10°3536	15°1757	23	21°7235	3°2617			
4011	8	12°3439	16°7580							4093	14	13°5058	15°7335						
4012	10	12°8533	16°1525							4094	16	7°3818	16°1126	20	18°7219	4°0926			
4013	16	9°9542	17°1041	13	21°3057	5°1243													
4014	10	13°1147	17°4178																
4015	16	13°4079	17°3156	16	24°7488	5°4682													
4016	12	4°5382	18°0007	14	15°8587	5°8148													
4017	10	4°8563	18°1660	8	16°1720	5°9906													
4018	10	8°1476	18°6942	8	19°4412	6°6475													
4019	788	3°2331	19°6967	788	14°4903	7°4603	65	913	7°0										
4020	22	5°6755	19°1622	12	16°9523	7°0192													
4021	23	4°5510	20°6472	14	15°7729	8°4586													
4022	22	7°2079	20°3037	18	18°4414	8°2190													
4023	10	13°7385	20°0942																
4024	16	10°6078	21°7400	9	21°7859	9°7816													
4025	8	10°7480	21°0044	7†	21°9524	9°0502													
4026	12	11°1688	21°6996	12	22°3475	9°7614													
4027	24	11°2976	21°0029	18	22°5005	9°0723													
4028	37	3°2520	22°4766	248	14°4008	10°2354													
4029	348	11°2429	22°0429	308	22°4073	10°1111													
4030	35	3°5725	23°1088	168	14°6978	10°8761													
4031	11	8°0780	23°7387	8	19°1771	11°6836													
4032	10	13°6940	23°6814																
4033	368	5°6744	24°9304	228	16°7318	12°7821	66	783	9°5										
4034	13	8°4861	24°5403	10	19°5563	12°5005													
4035	12	8°4880	24°2372	10	19°5708	12°1970													
4036	15	9°7598	24°7258	12	20°8214	12°7333													
4037	17	9°7640	24°9279	12	20°8168	12°9352													
4038	25	9°2846	25°2452	14	20°3266	13°2349													
4039	298	10°7040	25°4483	208	21°7351	13°4907													
4040	318	12°3692	25°0928	258	23°4141	13°1993													
R.A. 13 <sup>h</sup> 3 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup>									R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup>										
Centre R.A. 13 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°					Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°						
Plate 1995. 1894, April 21.				Plate 2537. 1895, April 14.					Plate 2554. 1895, April 23.				Plate 2537. 1895, April 14.						
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
								No.	Mag.									No.	Mag.
4041	288	15°0896	13°9993	34	3°7141	2°1183	°	m.	4085	12	4°8061	14°4617	14	16°2053	2°3552	°	m.		
4042	14	18°0641	14°4828	10	6°7045	2°4944			4086	10	6°0658	14°9794	12	17°4439	2°9122				
4043	388	23°1740	14°0369	418	11°7923	1°8650	65	922	9°3	4087	18	6°1589	14°6205	268	17°5530	2°5592			

1 *réseau* interval represents very nearly  $5^{\circ} = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 21 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 21 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.								
Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2554. 1895, April 23.				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 2537. 1895, April 14.				Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2554. 1895, April 23.				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No. Mag.								No. Mag.	
4095	16	11.4060	16.4817	18	22.7299	4.6029		4144	24	22.3604	18.1696	28	11.2347	6.0836		
4096	16	5.7553	17.1912	22	17.0561	5.1139		4145	28§	15.2568	19.4012	34§	4.1818	7.5717	65 933 9.4	
4097	12	9.1500	17.7993	12	20.4307	5.8444		4146	14	23.1830	19.3170	16	12.0966	7.2016		
4098	20§	9.7685	17.4397	28§	21.0608	5.5049	65 928 9.5	4147	40§	23.5591	19.1442	42§	12.4689	7.0139	65 942 8.9	
4099	10	11.2288	17.4011	15	22.5225	5.5174		4148	16†	21.6252	20.5135	18	10.5888	8.4534		
4100	36§	11.6752	17.5128	42§	22.9636	5.6453	65 929 9.3	4149	44§	22.9703	20.9784	44§	11.9453	8.8721	65 941 8.6	
4101	13	3.1286	18.2699	18§	14.3917	6.1005		4150				12	12.4650	8.2019		
4102	11	5.6863	18.0394	14	16.9567	5.9599		4151	10	19.0643	21.4802	14	8.0626	9.5111		
4103	16	7.6190	18.2405	22	18.8841	6.2315		4152	25	24.0370	21.3941	34§	13.0303	9.2476	65 944 9.5	
4104	6	10.0876	18.4094	12	21.3441	6.4859		4153	30	14.0627	22.7897	38§	3.1144	11.0017	65 931 9.0	
4105	10	10.7039	18.1102	13†	21.9743	6.2094		4154	10	14.6650	22.8972	14†	3.7199	11.0892		
4106	6	11.5564	18.8700	6	22.7936	6.9996		4155	18	14.8237	22.5180	22	3.8633	10.7013		
4107	18	13.0376	18.5547	29	24.2871	6.7347		4156	24	22.6479	22.6295	30	11.6854	10.5296		
4108	16	5.6348	19.1129	18	16.8676	7.0311		4157	34	16.6335	23.8162	40§	5.7171	11.9336		
4109	10	9.8295	19.3190	12	21.0552	7.3845		4158	18†	20.5707	23.6596	18	9.6457	11.6363		
4110				12	15.9597	8.2193		4159	15†	21.8131	23.6372	18	10.8855	11.5679		
4111	8†	5.2350	20.4435	14	16.4182	8.3461		4160				12	11.2945	11.7520		
4112	24§	11.3734	20.4514	34§	22.5577	8.5710		4161				14	12.2847	11.8706		
4113	12	11.5856	20.7919	16	22.7557	8.9204		4162				16	13.2751	11.4702		
4114	10	11.8507	20.2116	16	23.0454	8.3481		4163	53§	24.2920	24.3126	46§	13.3873	12.1527	66 810 9.0	
4115				10	14.8493	9.3029		4164	22	15.8422	25.5350	24	4.9920	13.6796		
4116	11	3.7521	21.1612	16	14.9159	9.0097		4165	16†	18.9856	25.7488	18	8.1413	13.7774		
4117	14	4.9592	21.0244	18	16.1254	8.9177						54§	12.9268	1.7578	65 943 8.6	
4118	12	8.8910	21.8122	16	20.0264	9.8450		R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 39 <sup>m</sup>								
4119	50§	8.9189	21.5009	54§	20.0676	9.5331	65 927 8.0	Centre	R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 346. 1892, April 25.				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.			
4120	6	12.4861	21.4232	9	23.6332	9.5835		4166	18	6.8918	14.6430	27	18.5011	2.4715		
4121				14	16.4433	10.6517		4167	10†	3.6503	16.0615	19	15.2132	3.7749		
4122	8†	7.8459	22.8177	14	18.9498	10.8099		4168	20	5.5560	16.3253	34	17.1048	4.1070		
4123	32§	8.2980	22.4632	36§	19.4118	10.4744	65 926 9.0	4169	12	7.3760	16.5422	30	18.9163	4.3888		
4124	20	3.3684	23.9371	26§	14.4347	11.7703		4170	12	7.6971	17.3325	26	19.2102	5.1902		
4125	22	7.4801	23.0927	26§	18.5725	11.0721		4171	24	10.4747	17.0981	37	21.9941	5.0526	65 951 9.4	
4126				10	19.0376	11.3477		4172	98§	13.2053	17.9799	140§	24.6930	6.0325	65 953 6.0	
4127				12	16.6257	12.6404		4173	8†	7.8459	18.0324	12	19.3354	5.8962		
4128	18	9.2303	24.7368	24	20.2619	12.7795	66 803 9.5	4174	36§	7.9928	18.7797	35§	19.4541	6.6480	65 949 8.8	
4129				14	15.3777	13.2039		4175	16	4.2713	19.6360	22	15.7043	7.3697	65 945 9.5	
4130				14	15.3820	13.0409		4176	14	8.4760	19.3460	30	19.9148	7.2291		
4131	31	7.5991	25.9014	32§	18.5931	13.8839		4177	26§	7.1862	20.1022	44§	18.5994	7.9399	65 948 8.7	
4132	7	9.8623	25.1111	14	20.8814	13.1734		4178	16	9.6535	20.9906	38§	21.0349	8.9132	65 950 9.4	
				63§	19.5133	1.7466	65 925 8.3	4179	22§	12.7674	21.6005	40§	24.1246	9.6365		
				34§	25.1607	11.0053	65 931 9.0	4180	11	7.2754	22.4470	20	18.6040	10.2887		
				75§	26.4234	6.5516	65 932 8.0	4181	10	7.5654	22.3548	18	18.8988	10.2029		
R.A. 13 <sup>h</sup> 21 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>								R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 39 <sup>m</sup>								
Centre R.A. 13 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 2554. 1895, April 23.				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 346. 1892, April 25.				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				
4133	12	21.1728	14.3680	12	9.9099	2.3247		4182	12	10.1593	22.8430	20	21.4741	10.7854		
4134	82§	17.4468	16.9585	94§	6.2840	5.0510	65 935 6.7	4183	50§	4.9030	23.4000	85§	16.2027	11.1494	65 946 8.3	
4135	76§	17.5750	16.7674	86§	6.4050	4.8555	65 936 6.7	4184				14	18.6983	11.2614		
4136	10	17.6824	16.7645	12	6.5120	4.8495		4185				12	14.6887	12.2848		
4137	40§	19.3645	16.9155	44§	8.1954	4.9399	65 937 8.9	4186	28	3.7151	24.3179	34§	14.9822	12.0280		
4138	8	14.1578	17.8686	11†	3.0289	6.0840		4187				12	15.7990	12.4203		
4139	16	15.8895	17.2048	22	4.7368	5.3561		4188	12	5.5460	24.5998	20	16.8002	12.3776		
4140	30§	16.3946	17.1363	38§	5.2378	5.2661	65 934 9.2	4189	8†	9.1651	24.8009	16	20.4093	12.7063		
4141	18	21.6138	17.1983	22	10.4552	5.1413	65 940 9.5	4190	9	4.6364	25.2044	14	15.8670	12.9498		
4142	46§	15.1638	18.2972	60§	4.0461	6.4717	65 932 8.0	4191	8	8.3077	25.3729	14	19.5326	13.2482		
4143	36§	20.5237	18.4775	40§	9.4141	6.4576	65 939 9.1	4192	12	9.1095	25.6137	26	20.3238	13.5180	66 815 9.5	
								4193	14	11.7406	25.5190	18	22.9587	13.5169		
												107§	25.3136	11.4591	66 816 7.5	
												46§	26.0170	12.8633	66 817 8.8	



## ZONE + 65°.

R.A. 13 <sup>h</sup> 39 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup>								R.A. 13 <sup>h</sup> 48 <sup>m</sup> to 13 <sup>h</sup> 57 <sup>m</sup> —contd.							
Centre R.A. 13 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 346. 1892, April 25.				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2557. 1895, April 23.				Centre R.A. 13 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2555. 1895, April 23.				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2557. 1895, April 23.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
4194	10	14°0011	14°3450	12	2°6834	2°3968	° m.	4244	12	13°5632	20°6961	9	24°7640	8°8704	° m.
4195	21	25°2034	14°0841	28	13°8662	1°7370		4245	10	8°0613	21°2379	10	14°8242	9°0968	
4196	58	18°3409	15°6551	54	7°0630	3°5497	65 961 7.8	4246	10	5°1101	22°9114	14	19°2480	9°2140	
4197	7	21°5523	15°2271	8	10°2595	3°0118		4247	11	5°4807	22°9513	12	16°2376	10°7796	
4198	32	17°6351	16°0597	28	6°3726	3°9830	65 960 9.1	4248	7	6°7183	22°2253	8	16°6087	10°8351	
4199	14	24°2734	16°2370	20	13°0128	3°9218		4249	20	7°1676	22°2851	20	17°8706	10°1505	
4200	12	23°7149	17°5438	16	12°5015	5°2469		4250	6*	11°8625	22°1003	6	18°3148	10°2278	
4201				10	13°4596	5°3044		4251	18	9°7150	23°2266	18	23°0156	10°2095	
4202	8	15°8649	18°3157	10	4°6842	6°2968		4252	14	10°7375	23°6480	14	20°8288	11°2603	
4203	52	16°5990	20°4936	48	5°4951	8°4520	65 957 8.0	4253	25	13°3586	23°5710	28	21°8360	11°7169	66 826 9.5
4204	9	20°4560	20°3286	8	9°3475	8°1456		4254	26	4°3863	24°8249	24	24°4579	11°7338	
4205	7	23°2037	20°9051	8	12°1096	8°6264		4255	17	9°9363	24°1212	18	15°4429	12°6674	
4206	13	24°1168	20°1907	14	12°9977	7°8776		4256	48	5°8149	25°7849	50	21°0189	12°1615	66 825 7.5
4207	10	16°1419	21°0412	10	5°0594	9°0137		4257	12	8°9563	25°0789	12	15°6873	13°2652	
4208	36	16°9694	21°7107	40	5°9118	9°6537	65 958 8.9	4258	42	8°9868	25°0668	30	16°8405	13°6772	66 823 9.5
4209	10	19°9649	21°4104	12	8°8923	9°2462		4259	16	10°6942	25°4973	12	20°0036	13°0835	
4210	8	21°1794	21°3566	10	10°1034	9°1471		4260	22			16	20°0351	13°0727	
4211	8	15°1092	22°2466	8	4°0702	10°2547		4261	20			14	21°7273	13°5647	
4212	20	21°3030	22°7395	26	10°2787	10°5272						30	25°4122	4°2433	65 970 9.2
4213	32	22°2181	22°6640	34	11°1860	10°4193	65 962 9.1					26	25°3764	9°0147	65 971 9.5
4214				8	11°4342	10°5857		R.A. 13 <sup>h</sup> 57 <sup>m</sup> to 14 <sup>h</sup> 6 <sup>m</sup>							
4215	72	14°0199	23°3799	77	3°0254	11°4256	66 816 7.5	Centre	R.A. 13 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2555. 1895, April 23.	R.A. 14 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2593. 1895, May 4.					
4216	6†	15°1222	23°0206	7*	4°1124	11°0271		4262	20	17°0760	14°8634	16	5°6829	2°9228	° m.
4217	12	15°6149	23°0951	12	4°6068	11°0829		4263	32	17°3225	14°9963	36	5°9331	3°0477	65 972 9.2
4218	12	16°4597	23°0585	16	5°4497	11°0172		4264	32	17°7450	14°2652	32	6°3275	2°3022	65 974 9.3
4219	33	23°1242	23°6166	28	12°1287	11°3384	66 819 9.1	4265	9	21°4837	14°3236				
4220	38	14°7750	24°7579	38	3°8281	12°7761	66 817 8.8	4266	8	14°5062	15°1538				
4221				10	4°1931	13°7263		4267	18	21°8636	15°1405	26	10°4755	3°0285	
4222	18	16°7862	25°6389	18	5°8694	13°5861		4268	7	23°2175	15°3894				
4223	16	17°9991	25°1678	18	7°0634	13°0713		4269	28	14°0448	16°0514	32	2°6940	4°2202	65 970 9.2
4224	14	21°2570	25°0405	16	10°3155	12°8351		4270	6	15°3881	16°1963	4†	4°0425	4°3183	
4225	33	23°3414	25°1448	30	12°4003	12°8582		4271	38	18°5067	16°4218	40	7°1665	4°4265	65 976 9.0
	90	25°9454	16°8891	106	2°0134	6°0555	65 953 6.0 65 963 4.8	4272	8	18°6860	17°9122	10	7°3998	5°9108	
R.A. 13 <sup>h</sup> 48 <sup>m</sup> to 13 <sup>h</sup> 57 <sup>m</sup>								4273	16	14°0331	18°4618	23	2°7684	6°6297	
Centre	R.A. 13 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 2555. 1895, April 23.	R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2557. 1895, April 23.						4274	30	17°8765	18°4711	36	6°6114	6°5002	65 975 8.9
4226	10	11°1171	14°9113	12	23°0246	2°5156	° m.	4275	8	18°4366	18°6227	7†	7°1757	6°6308	
4227	16	11°5992	14°4077	20	21°4574	3°8967	65 965 9.5	4276	20	18°6124	18°6961	26	7°3546	6°6987	
4228	26	10°0837	15°8464	20	25°0786	3°9943	65 968 9.5	4277	8	20°1790	18°2910	10	8°9050	6°2373	
4229	17	13°7027	15°8132	20	14°7091	4°5142	65 963 4.8	4278	12	21°2263	18°5816	10	9°9624	6°4903	
4230	102	3°3599	16°7045	96	25°2609	4°2570	65 969 9.2	4279	12	22°5718	18°6855	10	11°3085	6°5479	
4231	30	13°8937	16°0703	24	20°7238	5°1579		4280	7	24°9708	18°8721	12	13°7134	6°6475	
4232	10	9°3922	17°1311	9†	20°9542	5°7585		4281	18	17°8506	19°5212	24	6°6226	7°5504	
4233	10	9°6445	17°7210	10				4282	26	22°7195	19°1195	24	11°4738	6°9743	
4234	10	12°2098	17°2522					4283	8	22°8607	19°9528	12	11°6424	7°8022	
4235	8	13°9490	17°2724					4284	14	23°1470	19°4941	14	11°9130	7°3345	
4236	4*	5°7873	18°7547	6	17°0610	6°6483		4285	12	23°2459	19°7794	14	12°0237	7°6154	
4237	14	7°8600	18°4199	12	19°1469	6°3928		4286	20	14°1790	20°8231	30	3°0010	8°9831	65 971 9.5
4238	12	9°8743	18°7237	12	21°1489	6°7653		4287	12	15°4528	20°6444	16	4°2668	8°7578	
4239	6†	11°0336	18°3879	8†	22°3196	6°4712		4288	20	23°2361	20°0974	24	12°0254	7°9320	
4240	54	12°4186	18°4847	46	23°7008	6°6157	65 966 7.2	4289	8	18°6678	22°8838	12	7°5602	10°8798	
4241	20	12°9775	19°2959	23	24°2277	7°4486		4290	6	19°2489	22°0503	8	8°1133	10°0288	
4242	10	4°1514	20°0545	9	15°3801	7°8927		4291	14	19°3594	22°2674	16	8°2286	10°2426	65 977 9.5
4243	6†	4°3047	20°2364	8	15°5289	8°0798		4292				10	10°5267	10°8746	
								4293	4	22°4358	22°1711	7	11°3005	10°0354	
								4294	9	17°1369	23°4261	14	6°0502	11°4788	

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 13 <sup>h</sup> 57 <sup>m</sup> to 14 <sup>h</sup> 6 <sup>m</sup> — <i>contd.</i>									R.A. 14 <sup>h</sup> 15 <sup>m</sup> to 14 <sup>h</sup> 24 <sup>m</sup>										
Centre		R.A. 13 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 14 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°					Centre		R.A. 14 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				
Plate 2555.		1895, April 23.			Plate 2593.			1895, May 4.		Plate 2568.		1895, April 24.			Plate 2559.			1895, April 23.	
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.			
							No.	Mag.								No.	Mag.		
4295	10	17.2637	23.1403	12	6.1641	11.1885	°	m.	4339	20	14.1150	14.8831	26	2.7373	3.0320	65°	988	m.	
4296	36§	19.5558	23.8867	36§	8.4837	11.8542	66	829	8.6	4340	10	14.1690	14.7575					9.4	
4297				10	13.2941	11.5237				4341	20	21.2815	14.4054	20	9.8830	2.3032			
4298	40§	23.3396	24.8514	36§	12.3003	12.6782	66	832	8.7	4342	32§	16.0587	15.1344	30§	4.6854	3.2169	65	990	9.3
4299	8	23.6235	24.4498	14	12.5690	12.2693				4343	18	17.8893	15.7254	22	6.5379	3.7391			
4300	26	15.7670	25.4379	22§	4.7514	13.5383				4344	16	18.6599	15.0715	22	7.2859	3.0608			
										4345	24§	23.4202	15.4260	28§	12.0549	3.2479			
				34	2.5445	4.2456	65	969	9.2	4346	20	23.9297	15.8633	14	12.5772	3.6664			
				77§	1.1567	6.7091	65	966	7.2	4347	28§	14.6906	16.2378	33§	3.3609	4.3653	65	989	9.5
							65	980	9.0	4348	32§	17.3899	16.5849	30§	6.0703	4.6150	65	992	9.3
	43§	25.3744	19.2570				66	834	7.8	4349	44§	22.0155	16.4318	42§	10.6858	4.3018	65	994	7.5
	76§	26.0307	26.5439							4350	12	23.5268	16.0055	10	12.1820	3.8204			
										4351	14	14.0999	17.1876	10	2.8036	5.3378			
										4352	10	20.9850	19.8832	8	9.7768	7.7864			
										4353	10	21.9584	19.3228	8	10.7300	7.1920			
										4354	8	18.1782	20.8511	8	7.0079	8.8517			
										4355	6*	23.2119	20.9456	6	12.0410	8.7688			
										4356	8	24.8930	20.2857	14	13.6978	8.0528			
										4357	14	17.7770	21.3649	16	6.6241	9.3804			
										4358	37§	23.4983	21.3748	36§	12.3422	9.1899	65	995	8.8
										4359	10	18.7309	22.2042	12	7.6087	10.1843			
										4360	64§	18.7846	23.8164	74§	7.7176	11.7944	66	842	7.0
										4361	26	22.3168	23.7123	28§	11.2455	11.5651	66	845	9.5
										4362	13†	23.3709	23.8032	14	12.3021	11.6196			
										4363	16	24.1153	23.0808	16	13.0203	10.8708			
										4364	21†	24.9342	23.9568	16	13.8659	11.7180			
										4365	12	17.9070	24.0091	12	6.8465	12.0153			
										4366	43§	21.9484	24.2143	36§	10.8927	12.0804	66	844	9.1
										4367				10	13.3373	12.2188			
										4368	10	15.5960	25.0280	12	4.5756	13.1191			



## ZONE + 65°.

B. D.								B. D.									
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .		
R.A. 14 <sup>h</sup> 24 <sup>m</sup> to 14 <sup>h</sup> 33 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 33 <sup>m</sup> to 14 <sup>h</sup> 42 <sup>m</sup> —contd.									
Centre R.A. 14 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R.A. 14 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R.A. 14 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°					
Plate 2074. 1894, May 31.				Plate 2559. 1895, April 23.				Plate 2074. 1894, May 31.				Plate 2560. 1895, April 23.					
4392	10	8.3267	20.7343	8	19.5102	8.7145	°	m.	4445	22	14.4765	22.2589	21	3.3086	10.3789	°	m.
4393	10	8.7399	20.2540	6	19.9393	8.2492			4446	12	19.8369	22.4187	6†	8.6692	10.3418		
4394	8	9.9029	20.7940	6*	21.0823	8.8269			4447	8	24.7648	22.0604	14	13.5795	9.7977		
4395	38§	10.2347	20.4882	36§	21.4251	8.5329	65 998	9.0	4448	22	14.1337	23.2873	18	3.0054	11.4209		
4396	36§	13.6560	20.5428	31	24.8448	8.7099	65 1001	9.5	4449	42§	15.4142	23.8401	36§	4.3049	11.9246	66 859	9.1
4397	18	10.2652	21.4498	14	21.4233	9.4942			4450	6†	24.4080	23.5985	12	13.2793	11.3431		
4398	12	5.2756	22.6270	12	16.3937	10.4963			4451	12†	20.2516	24.9781	6	9.1803	12.8806		
4399	22	7.6598	22.1613	20	18.7955	10.1147			4452	8†	20.9139	24.6395	6	9.8311	12.5154		
4400	12	10.3968	22.3114	10†	21.5238	10.3609			4453	6†	23.4127	24.4803	8	12.3178	12.2632		
4401	10	8.5532	23.1109	10	19.6532	11.0952			4454	12†	15.1937	25.0383	10†	4.1286	13.1299		
4402	92§	12.1823	23.9294	82§	23.2533	12.0398	66 855	6.7	4455	28	15.3006	25.1995	22	4.2421	13.2865	66 858	9.5
4403	22	13.7370	23.7131	11	24.8133	11.8802			4456	7	16.9133	25.4080	7	5.8644	13.4374		
4404	15†	3.6652	24.8153	12	14.7052	12.6287			4457	40§	17.9079	25.2299	36§	6.8495	13.2222	66 860	9.1
4405				6	17.7526	12.0199											
4406				8	16.2863	13.1125											
4407	15†	7.1881	25.8127	14	18.1952	13.7489											
	53§	1.1766	21.4610				65 995	8.8									
R.A. 14 <sup>h</sup> 33 <sup>m</sup> to 14 <sup>h</sup> 42 <sup>m</sup>								R.A. 14 <sup>h</sup> 42 <sup>m</sup> to 14 <sup>h</sup> 51 <sup>m</sup>									
Centre R.A. 14 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R.A. 14 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				Centre R.A. 14 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				R.A. 14 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°					
Plate 2074. 1894, May 31.				Plate 2560. 1895, April 23.				Plate 2639. 1895, May 27.				Plate 2560. 1895, April 23.					
4408	12	22.1924	14.1008				°	m.	4458	44§	5.1666	14.7396	70§	16.5673	2.4293	65 1012	7.8
4409	12	24.0401	14.5700						4459	32§	9.2646	14.1560	60§	20.6808	1.9780	65 1018	8.6
4410	12	18.4943	15.9877						4460	42§	10.0876	14.0388	73§	21.5068	1.8871	65 1019	8.0
4411	22§	21.2316	15.6257	20	9.8085	3.4982	65 1006	9.4	4461	24	13.0567	14.6085	50	24.4572	2.5552	65 1022	9.5
4412	16	21.4268	15.1898	12	9.9853	3.0545			4462	12†	2.7873	15.8969	11	14.1465	3.5121		
4413	36§	21.8065	15.3624	38§	10.3730	3.2141	65 1007	9.3	4463	18	3.2927	15.6196	28	14.6642	3.2481	65 1008	9.5
4414	22§	21.9213	15.7476	22	10.5012	3.5943			4464	18	3.5014	15.5655	20	14.8741	3.2001		
4415	12	24.0518	15.1799	10	12.6103	2.9499			4465	30§	6.3873	15.9905	40§	17.7456	3.7207	65 1013	8.9
4416	10	15.2191	16.8244						4466	14†	5.3651	16.7292	16	16.6960	4.4245		
4417	12	19.1957	16.4444	8†	7.8076	4.3946			4467	12	13.6252	16.5309	13	24.9604	4.4985	65 1023	9.5
4418	8	20.5039	16.1192						4468	10	4.3481	18.0703	8	15.6356	5.7324		
4419	20	20.9648	16.1714	16	9.5638	4.0517			4469	16§	12.0151	18.5068	37	23.2870	6.4188	65 1020	9.5
4420	14	21.0872	16.9090	8	9.7135	4.7866			4470	28§	3.9378	19.0100	40§	15.1948	6.6603	65 1009	8.8
4421	33§	24.7882	16.0902	30	13.3816	3.8281			4471	18	4.3780	19.3149	28§	15.6260	6.9757	65 1010	9.5
4422	7	25.3401	16.4247	6	13.9484	4.1438			4472				12	20.6701	7.7687		
4423	10	15.8126	17.8800						4473				16	16.6578	8.6893		
4424	10	18.6238	17.5812						4474	40§	8.8498	20.6530	44§	20.0559	8.4617	65 1017	8.3
4425	18	22.7928	17.1884	12	11.4268	5.0022			4475	12	9.7659	21.9443	14	20.9259	9.7831		
4426	8	20.7020	18.1203						4476	12	11.7396	21.9265	26	22.9011	9.8279		
4427	12	20.7174	18.0971	10	9.3881	5.9863			4477	14	12.2068	21.2525	24	23.3885	9.1706	65 1021	9.5
4428	10	23.5840	18.7195	8	12.2726	6.5012			4478	46§	7.5476	22.1606	58§	18.7023	9.9262	65 1015	7.5
4429	40§	18.6929	19.6790	36§	7.4244	7.6423	65 1004	8.8	4479				13	23.3676	10.2083		
4430	16	19.5069	19.0506	10	8.2144	6.9865			4480	52§	4.6053	23.2031	40§	15.7267	10.8715	65 1011	8.5
4431	16	20.8653	19.8079	10	9.6001	7.6908			4481	30§	8.0604	23.5074	40§	19.1702	11.2880	65 1016	8.8
4432	12	14.4168	20.6884						4482	10	11.4426	23.0894	20	22.5639	10.9804		
4433	10	15.9616	20.7074						4483	20	4.3192	24.8641	28	15.3817	12.5228		
4434	12	18.5932	20.3787						4484	46§	7.5574	24.9777	54§	18.6217	12.7391	66 870	8.0
4435	20	19.7410	20.8720	14	8.5178	8.7956			4485				16	14.2062	13.1535		
4436	6	20.0562	20.2289	4*	8.8013	8.1429			4486				10	14.3668	13.7866		
4437	28§	20.0833	20.7967	22§	8.8544	8.7092	65 1005	9.5	4487				16	15.1113	13.7179		
4438	11	21.7736	20.6763	6†	10.5401	8.5274			4488	4*	9.2732	25.4908	12	20.3158	13.3098		
4439	16	22.5630	20.7620	12	11.3294	8.5826			4489	46§	10.4297	25.5734	56§	21.4725	13.4303	66 872	8.3
4440	26§	17.9270	21.1535	24	6.7149	9.1472	65 1003	9.4	4490	14	12.6676	25.2373	24	23.7173	13.1677		
4441	8	18.4380	21.8446														
4442	32§	18.7880	21.9175	20	7.6040	9.8756							57§	18.5022	1.5016	65 1014	8.0
4443	9	23.0763	21.8575	8	11.8845	9.6585							94§	27.3628	2.7824	65 1024	7.5
4444	32§	23.2349	21.5237	24§	12.0326	9.3189							52§	25.4865	13.7980	66 876	8.5
																66 873	7.3

1 réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.

## ZONE + 65°.

R.A. 14 <sup>h</sup> 51 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>								R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 9 <sup>m</sup>							
Centre R.A. 14 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 2639. 1895, May 27.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 2654. 1895, June 5.				Centre R.A. 15 <sup>h</sup> 9 <sup>m</sup> Dec. + 65° Plate 359. 1892, April 29.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 2654. 1895, June 5.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.
4491				15	3°16'41	2°25'30		4547	20	2°84'51	14°71'32	268	14°30'98	2°73'69	
4492	448	15°9'666	14°73'90	508	4°61'61	2°68'23	65 1024 7.5	4548	14	4°85'52	14°05'97	18	16°34'26	2°15'65	
4493				6	5°23'90	2°63'78		4549	6*	7°19'28	14°10'81	10	18°68'00	2°29'23	
4494				12	7°47'71	2°14'73		4550	508	10°01'58	14°95'72	548	21°46'57	3°24'73	65 1036 7.2
4495	14	20°34'13	14°41'97	228	8°97'59	2°20'18		4551	8	11°48'70	14°86'04	11	22°94'12	3°20'34	
4496	24	20°69'62	14°47'51	308	9°33'20	2°24'43	65 1025 9.5	4552	18	3°21'26	15°63'34	248	14°64'09	3°66'95	
4497	26	22°37'30	14°30'62	268	11°00'27	2°01'27		4553	16	12°42'17	15°88'40	16	23°83'62	4°26'11	
4498				16	7°15'77	3°01'57		4554				10	14°13'67	4°47'92	
4499				14	12°17'37	3°64'41		4555	308	6°62'71	16°20'19	308	18°03'21	4°36'21	65 1033 9.0
4500				12	13°60'88	3°73'52		4556	12	10°96'15	16°24'38	17	22°36'50	4°56'60	
4501				8	8°00'82	4°65'50		4557	18	8°57'35	16°99'76	248	19°94'92	5°23'19	
4502				6	8°76'92	4°48'68		4558				12	14°19'81	5°89'01	
4503	22	22°74'63	16°95'92	288	11°47'39	4°64'92	65 1028 9.5	4559	328	10°17'10	17°30'15	348	21°53'54	5°59'59	65 1037 9.1
4504				11	3°58'25	5°32'00		4560	248	11°19'62	17°14'52	258	22°56'56	5°47'53	65 1038 9.5
4505				10	8°54'25	5°60'85		4561	8†	11°99'98	17°77'87	13	23°34'22	6°14'07	
4506				8	8°90'46	5°81'66		4562	14	13°11'47	17°31'41	16	24°47'60	5°71'80	
4507				8	10°34'69	5°71'97		4563	10	5°22'94	18°62'70	10	16°54'59	6°73'68	
4508	24	21°66'42	17°37'35	288	10°40'75	5°10'29	65 1027 9.5	4564	16	5°85'58	18°00'41	188	17°19'54	6°13'66	
4509	388	22°95'02	17°90'84	408	11°71'27	5°59'07	65 1029 9.0	4565				8	17°38'82	6°24'38	
4510				8	13°83'71	5°75'26		4566	18	5°53'66	19°65'30	198	16°81'62	7°77'27	
4511				18	3°39'22	6°90'04		4567	6	10°82'46	19°47'22	12	22°10'87	7°78'96	
4512				8	6°20'62	6°80'13		4568	8	12°98'02	19°58'76	13	24°25'54	7°98'29	
4513				16	7°22'16	6°17'90		4569	7	2°87'22	20°50'33	12	14°12'36	8°52'44	
4514				8	7°83'14	6°67'34		4570				6	14°61'87	8°14'40	
4515				12	8°48'55	6°51'65		4571				6	14°58'17	9°04'94	
4516	308	21°44'46	18°21'55	308	10°21'82	5°95'32	65 1026 9.5	4572	10	7°96'63	20°86'64	14	19°20'22	9°07'65	
4517				8	11°86'16	6°04'23		4573	18	9°67'96	20°78'78	188	20°91'66	9°06'12	
4518	8	14°80'85	19°29'34	14	3°63'00	7°27'70		4574	4*	8°50'99	21°74'36	6	19°71'44	9°97'19	
4519				8	10°81'34	7°67'18		4575	4†	11°04'45	21°35'76	8	22°26'02	9°68'30	
4520				10	13°56'00	7°51'24		4576	9	3°36'41	22°79'24	12	14°53'04	10°82'97	
4521	338	24°95'44	19°19'96	348	13°76'24	6°81'22	65 1031 9.0	4577	15	3°48'99	22°51'99	208	14°66'52	10°56'13	
4522				8	6°77'73	8°13'54		4578				7	15°40'17	10°52'55	
4523	14	19°45'31	20°54'12	188	8°31'61	8°35'26		4579	8†	9°91'04	22°51'38	12	21°08'12	10°79'24	
4524				12	9°74'69	8°56'99		4580				8	15°83'88	11°80'71	
4525	26	23°33'65	20°30'22	268	12°18'75	7°97'07	65 1030 9.2	4581				12	15°96'55	11°85'17	
4526				6	3°07'34	9°24'85		4582	20	8°28'73	23°64'35	348	19°41'76	11°86'12	65 1035 9.3
4527				8	6°57'21	9°78'09		4583				10	21°76'76	11°17'56	
4528				8	8°61'19	9°89'19		4584				8	15°56'83	12°68'25	
4529				8	9°09'22	9°53'05		4585				10	18°81'09	12°81'22	
4530	22	21°09'54	21°94'04	328	10°00'57	9°69'05		4586				10	21°23'05	12°84'05	
4531				8	11°63'42	9°20'76		4587	22	12°17'93	23°96'40	268	23°29'49	12°32'82	66 891 9.5
4532	8†	14°11'78	22°07'83	16	3°04'25	10°08'19		4588				6	14°63'67	13°79'63	
4533				8	6°66'65	10°31'69		4589				6	15°13'98	13°28'90	
4534				8	9°68'08	10°77'22		4590				7	16°02'35	13°32'14	
4535				16	12°92'96	10°93'17		4591	22	5°43'90	25°08'09	228	16°51'81	13°19'44	
4536	24	17°26'99	23°58'87	188	6°24'51	11°47'85		4592	22	6°86'64	25°72'84	248	17°92'17	13°89'43	66 888 9.4
4537				8	12°24'78	11°33'80		4593	16	12°84'49	25°04'07	168	23°92'20	13°43'01	
4538				12	9°15'08	12°79'95									
4539				208	9°62'30	12°37'13						288	19°65'20	0°75'50	65 1034 9.2
4540	618	23°04'26	24°73'50	708	12°05'78	12°40'96	66 882 7.2					758	23°02'88	1°19'00	65 1039 6.8
4541				8	13°64'67	12°96'47						328	26°03'11	12°60'70	66 893 9.4
4542	368	14°45'52	25°80'75	368	3°51'62	13°80'18	66 876 8.5		308	2°44'85	18°80'37				65 1031 9.0
4543				16	3°77'75	13°81'20			38	3°24'31	26°75'39				66 884 9.0
4544				10	9°37'03	13°26'59									
4545				14	9°51'58	13°26'31									
4546				8	13°39'86	13°25'42									
				418	13°99'43	1°10'46	65 1032 8.8								



## ZONE + 65°.

R.A. 15 <sup>h</sup> 9 <sup>m</sup> to 15 <sup>h</sup> 18 <sup>m</sup>								R.A. 15 <sup>h</sup> 18 <sup>m</sup> to 15 <sup>h</sup> 27 <sup>m</sup>									
Centre R.A. 15 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°				Centre R.A. 15 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				Centre R.A. 15 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°				Centre R.A. 15 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°					
Plate 359. 1892, April 29.				Plate 2655. 1895, June 5.				Plate 2044. 1894, May 17.				Plate 2655. 1895, June 5.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.		
4594	6	20°0624	14°1509	16	9°5823	2°3259		4651	22§	8°4684	14°3593	28§	19°8646	2°4006	65° 1053	9°5	
4595	6	22°6615	14°0868	16§	11°2756	2°2031		4652				12	20°6725	2°3564			
4596				12	12°1683	2°8240		4653				9	22°0675	2°8409			
4597				16	4°7133	3°5113		4654				6	18°2316	3°2068			
4598				14	5°8579	3°7636		4655				9	19°9150	3°4738			
4599				10	8°0435	3°1350		4656				12	20°1604	3°8352			
4600	12	21°0909	15°2815	16§	9°7478	3°4517		4657				16	22°1275	3°4828			
4601	8†	24°1682	15°0104	14	12°8142	3°0747		4658	10	12°2855	15°6212	16	23°6352	3°8015			
4602				8	4°2722	4°7557		4659	8	6°1144	16°4306	14§	17°4381	4°3827			
4603				7	6°0187	4°6328		4660	8†	8°0536	16°0806	16§	19°3848	4°1029			
4604	36§	19°0282	16°8565	32§	7°7396	5°0983	65 1044	9.1	4661	32§	12°4846	16°5279	36§	23°8022	4°7148	65 1054	9.0
4605	13	24°1874	16°2043	16§	12°8745	4°2668		4662	12	12°5304	16°5740	16	23°8456	4°7593			
4606	36§	18°9739	17°0127	36§	7°6903	5°2555	65 1043	8.7	4663			10	14°5308	5°9903			
4607	6*	19°1358	17°5260	8	7°8712	5°7629		4664	8	6°0979	17°6419	10	17°3775	5°5935			
4608				8	9°3050	5°5266		4665	18	4°4943	18°5510	22§	15°7416	6°4435			
4609	12	21°8641	17°7457	12	10°6077	5°8905		4666	8†	5°8729	18°3312	10	17°1253	6°2725			
4610	36§	23°5138	17°6337	32§	12°2489	5°7214	65 1045	8.9	4667	8†	6°5766	18°6238	16§	17°8178	6°5904	65 1051	9.5
4611	10	23°6836	17°5035	12	12°4140	5°5851		4668	44§	6°8627	18°5603	40§	18°1075	6°5387	65 1052	8.5	
4612	30§	24°3448	17°7662	24§	13°0839	5°8233	65 1047	9.5	4669			10	20°5645	6°2850			
4613	8	14°9724	18°2926	12	3°7371	6°6725		4670				10	21°4447	6°1455			
4614	10	15°2438	18°4353	12	4°0126	6°8052		4671	14	12°5175	18°6905	18	23°7546	6°8751			
4615	14	23°1944	18°6496	18	11°9663	6°7459		4672				8	25°1715	6°6643			
4616	10	23°7862	18°4236	12	12°5531	6°5006		4673	22	3°7827	19°7022	22§	14°9865	7°5655	65 1049	9.5	
4617	24§	23°9906	18°5333	26§	12°7566	6°6033	65 1046	9.5	4674			8	19°4700	7°2928			
4618				8	5°8683	7°4111		4675	32	5°8884	20°6031	30§	17°0575	8°5439	65 1050	9.5	
4619	6†	17°6277	19°5180	10	6°4316	7°8042		4676				12	17°2251	8°8526			
4620	8	22°1124	19°2194	8	10°9042	7°3514		4677	12	7°1463	20°9932	12	18°3020	8°9820			
4621	9	24°3014	19°7314	16§	13°1110	7°7903		4678	10	10°1340	20°6332	16	21°3007	8°7285			
4622	16	14°8168	20°9099	20§	3°6729	9°2959		4679				14	21°9520	8°2165			
4623				8	4°8703	9°0666		4680	12	13°0147	20°6387	15	24°1801	8°8401			
4624	26§	18°6730	20°4075	24§	7°5077	8°6600	65 1042	9.5	4681	12	5°9952	21°1677	16	17°1457	9°1106		
4625	24§	19°4871	20°7098	26§	8°3335	8°9350		4682	28	13°5640	21°2139	27§	24°7079	9°4349	65 1056	9.5	
4626	12	19°8212	20°9587	14§	8°6744	9°1687		4683				9	24°8088	9°7039			
4627	6†	15°4535	21°1054	10	4°3154	9°4665		4684	17	3°1974	22°4652	20§	14°3000	10°3050			
4628				8	4°8756	9°6073		4685	23	4°7324	22°0305	26§	15°8501	9°9252			
4629				8	6°3561	9°4662		4686				10	15°9374	10°1385			
4630	26	21°9689	20°8874	24§	10°8205	9°0234		4687				6	16°3894	10°1192			
4631	36§	16°0645	21°8547	36§	4°9516	10°1969	65 1041	8.9	4688			10	17°4275	10°6675			
4632	10	20°3155	21°3471	14	9°1798	9°5420		4689				12	20°9535	10°3118			
4633	23	21°7850	21°6372	30§	10°6629	9°7807		4690	14	13°5532	22°6106	22§	24°6437	10°8312	65 1055	9.5	
4634	12	15°0667	22°2261	14§	3°9686	10°6031		4691	10†	13°8447	22°0386	14	24°9587	10°2702			
4635	8	19°9403	22°6899	10	8°8560	10°8966		4692				18	25°0644	10°7755			
4636	12	20°8138	22°1678	14§	9°7085	10°3432		4693	26	9°3281	23°4209	28§	20°3912	11°4874			
4637				6	11°3539	10°6214		4694				12§	21°0536	11°8932			
4638				8	12°0813	10°7554		4695	12	10°5747	23°5133	20§	21°6331	11°6253			
4639				10	3°3500	11°4282		4696	24	10°6237	23°1901	26§	21°6945	11°3032			
4640				10	4°4054	11°2235		4697	16	11°0663	23°5311	15§	22°1266	11°6644			
4641				8†	8°5083	11°5862		4698	30	13°2299	23°7704	28§	24°2795	11°9799			
4642	64§	24°0147	23°2972	72§	12°9466	11°3626	65 1048	7.8	4699			11	24°4852	11°1338			
4643	17	24°6346	23°6924	22§	13°5811	11°7380		4700	17	3°1700	24°4619	28§	14°2005	12°2988	66 905	9.5	
4644	30§	14°9218	24°1386	26§	3°8887	12°5174	66 893	9.4	4701	9†	7°6359	24°7059	18§	18°6549	12°7071		
4645				10	3°9363	12°5528		4702				8	19°1015	12°7572			
4646	6	16°0875	24°9825	12	5°0821	13°3192		4703				12	20°3628	12°2779			
4647				12	9°5918	12°8744		4704				18§	23°4793	12°8268			
4648				14	11°5591	12°6674		4705	12	13°3228	24°5300	17§	24°3404	12°7398			
4649				12	13°7064	12°7137		4706				8	14°3549	13°4353			
4650	8	14°2159	25°4386	16	3°2295	13°8410		4707				16	14°8210	13°8454			
								4708				6	14°8537	13°1981			
								4709				14	15°2518	13°7973			
	63§	15°1706	25°8977				66 894	7.0									
	40	24°7880	26°2506				66 902	8.9									

## ZONE + 65°.

R.A. 15 <sup>h</sup> 18 <sup>m</sup> to 15 <sup>h</sup> 27 <sup>m</sup> — <i>contd.</i>									R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 45 <sup>m</sup> — <i>contd.</i>																	
Centre R.A. 15 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°			R.A. 15 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			Plate 2044. 1894, May 17.			Centre R.A. 15 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°			Plate 2657. 1895, June 5.			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°			Plate 2606. 1895, May 6.					
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\nu$ .	$\gamma$ .	B.D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\nu$ .	$\gamma$ .	B.D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\nu$ .	$\gamma$ .	B.D.	
							No.	Mag.								No.	Mag.								No.	Mag.
4710				12	19'4115	13'7028			4748	14	5'7994	16'7802	9	17'1615	4'6381			4786	14	5'7994	16'7802	9	17'1615	4'6381		
4711				10	19'5541	13'1298			4749	16§	6'0402	16'9149	18	17'3970	4'7805			4789	20	11'9593	23'1208	20	23'0816	11'2027		
4712				8	21'4014	13'4969			4750	12	6'7743	16'1915						4791	12	13'3693	23'9864					
4713				12	21'6130	13'0882			4751	16	8'2212	16'3205	7	19'5962	4'2659			4792	18	13'6062	23'2557	15	24'7228	11'3988		
4714				8	23'8122	13'8874			4752	26§	9'0867	16'1667	34§	20'4689	4'1457			4793	18§	10'8955	24'3228	13	21'9747	12'3633		
									4753	10	9'1180	16'6277						4794	25§	5'9017	25'2689	24§	16'9467	13'1219		
	83§	1'8792	23'5723	57§	27'0416	8'7237	65 1057	8.8	4754	7	10'4791	16'4609						4795	18	6'7276	25'6806	12	17'7557	13'5649		
	32	2'8669	26'4631				65 1048	7.8	4755	20§	12'8246	16'2762	13	24'2025	4'3937			4796	14	7'0493	25'5270	6	18'0833	13'4238		
							66 902	8.9	4756	40§	4'0621	17'2944	50§	15'4068	5'0841	65 1066	9.1	4797	12	9'8198	25'5073	8	20'8531	13'5072		
									4757	10	4'3108	17'7797	10	15'6352	5'5812			4798	14	10'5716	25'3286	14	21'6135	13'3559		
									4758	8	9'2387	17'4256						4799	12	11'1136	25'8181					
									4759	12	9'2671	17'5320	10	20'5993	5'5149			4800	28§	11'2378	25'8283	24§	22'2590	13'8813		
									4760	12	4'6053	18'2008	12	15'9123	6'0120			4801	12	13'6788	25'1554					
									4761	34§	5'1878	18'7213	38§	16'4794	6'5513	65 1068	9.5									
									4762	8	7'7698	18'2702														
									4763	24§	8'1061	18'9195	20	19'3856	6'8599	65 1071	9.5									
									4764	8	10'6052	18'7664														
									4765	34§	13'5525	18'0477	34	24'8617	6'1899	65 1078	9.2									
									4766	14	4'5834	19'5271	12	15'8389	7'3381											
									4767	18§	6'1163	19'8789	18	17'3628	7'7472											
									4768	8	7'0358	19'0564	9	18'3118	6'9562											
									4769	26§	10'2363	19'6446	32	21'4899	7'6642											
									4770	10	11'0338	19'1509														
									4771	16	12'6071	19'2386	7	23'8721	7'3449											
									4772	14	13'2589	19'0284	15†	24'5334	7'1592											
									4773	31§	3'6392	20'9152	34§	14'8473	8'6903	65 1065	9.5									
									4774	11	3'9473	20'0002														
									4775	11	4'2166	20'4805														
									4776	12	5'9919	20'4743	8	17'2139	8'3365											
									4777	24§	7'0196	20'1979	24	18'2551	8'0966											
									4778	12	11'5633	20'6405	12	22'7770	8'7073											
									4779	12	13'8922	20'0129														
									4780	18	5'6543	21'7343	12	16'8307	9'5835											
									4781	14	6'0764	21'5356	5†	17'2626	9'4005											
									4782	12	9'7455	21'9482	6	20'9126	9'9478											
									4783	16	7'1866	22'3680	14	18'3382	10'2731											
									4784	38§	8'4625	22'3585	42§	19'6157	10'3114	65 1072	8.9									
									4785	24§	8'7451	22'1100	22§	19'9056	10'0735	65 1073	9.5									
									4786	14	11'5277	22'6049														
									4787	34§	8'8611	23'3693	38§	19'9741	11'3326	65 1074	9.5									
									4788	24§	10'5902	23'5567	24	21'6973	11'5886	65 1075	9.5									
									4789	20	11'9593	23'1208	20	23'0816	11'2027											
									4790	14	12'6295	23'1127														
									4791	12	13'3693	23'9864														
									4792	18	13'6062	23'2557	15	24'7228	11'3988											
									4793	18§	10'8955	24'3228	13	21'9747	12'3633											
									4794	25§	5'9017	25'2689	24§	16'9467	13'1219											
									4795	18	6'7276	25'6806	12	17'7557	13'5649											
									4796	14	7'0493	25'5270	6	18'0833	13'4238											
									4797	12	9'8198	25'5073	8	20'8531	13'5072											
									4798	14	10'5716	25'3286	14	21'6135	13'3559											
									4799	12	11'1136	25'8181														
									4800	28§	11'2378	25'8283	24§	22'2590	13'8813											
									4801	12	13'6788	25'1554														
																						</				



ZONE + 65°.

R.A. 15 <sup>h</sup> 45 <sup>m</sup> to 15 <sup>h</sup> 54 <sup>m</sup>							R.A. 15 <sup>h</sup> 45 <sup>m</sup> to 15 <sup>h</sup> 54 <sup>m</sup> —contd.										
Centre		R.A. 15 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			Centre		R.A. 15 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°			R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				
Plate 2657. 1895, June 5.		Plate 2659. 1895, June 5.			Plate 2657. 1895, June 5.			Plate 2657. 1895, June 5.		Plate 2659. 1895, June 5.			Plate 2659. 1895, June 5.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
4802	12	14°3420	14°0213	17	2°9216	2°2212	°	m.	4861	12	19°1689	23°2002	18	8°0760	11°2173	°	m.
4803	8	21°6263	14°2544	5	10°2095	2°1892			4862	9	23°5516	23°2376	14	12°4580	11°0973		
4804	11	21°8418	14°8595	10	10°4468	2°7876			4863	12	14°0035	24°6240	16	2°9668	12°8310		
4805	368	23°5199	14°9377	388	12°1274	2°8055	65 1086	9.1	4864	14	14°0175	24°6813	14	2°9845	12°8843		
4806	20	24°5598	14°8058	14	13°1577	2°6362			4865	468	14°0212	24°5868	508	2°9838	12°7903	66 918	8.1
4807	16	24°9265	14°9495	16	13°5318	2°7642			4866	14	14°5709	24°4769	14	3°5288	12°6598		
4808	10	14°9477	15°3152						4867	18	17°2205	24°6983	16	6°1835	12°7854		
4809	8	16°2370	15°9093						4868	12	18°0731	24°1479	10	7°0162	12°2050		
4810	788	19°0923	15°1862	818	7°7099	3°2125	65 1081	6.8	4869				10	11°6147	12°8942		
4811	208	22°1840	15°8308	20	10°8226	3°7463			4870	16	17°5412	25°5750	14	6°5363	13°6524		
4812	308	22°3729	15°5804	268	11°0022	3°4875			4871	20	18°2983	25°4868	18	7°2902	13°5362		
4813	10	23°1512	15°0210	6	11°7602	2°9010			4872	7†	19°8096	25°3638	8	8°7941	13°3565		
4814	8	15°9371	16°9700	9†	4°6211	5°1109			4873	13	20°0991	25°6998	12	9°0980	13°6833		
4815	6	19°9385	16°6980	4†	8°6127	4°6892			4874				6	11°1425	13°9100		
4816	9	21°7086	16°1064	6†	10°3580	4°0371			4875				14	13°6200	13°4605		
4817	328	21°7266	16°1911	328	10°3801	4°1227	65 1085	9.5					32	0°8513	2°8504	65 1077	9.5
4818	27	24°7962	16°6555	208	13°4636	4°4760											
4819	14	19°8088	17°9157	14	8°5248	5°9133											
4820	22	21°1156	17°1751	208	9°8040	5°1267											
4821	16	21°3179	17°5727	12	10°0210	5°5174											
4822	428	21°7175	17°0097	408	10°4013	4°9382	65 1084	9.1									
4823	7†	22°9711	17°3397	7†	11°6640	5°2237											
4824	8†	23°7405	17°2642	8	12°4303	5°1221											
4825	8	24°8258	17°2924	12	13°5151	5°1098											
4826	32	25°0653	17°9054	268	13°7779	5°7137											
4827	14	14°1140	18°6689	14	2°8623	6°8730											
4828	12	16°1037	18°0300	18	4°8243	6°1600											
4829	10	18°1566	18°9131	8†	6°9097	6°9695											
4830	10	19°1984	18°4567	12	7°9341	6°4768											
4831	10	20°1687	18°8222	10	8°9160	6°8069											
4832	7	21°1291	18°7895	6	9°8734	6°7418											
4833	12	21°9379	18°1520	8	10°6594	6°0742											
4834	20	23°7283	18°2943	16	12°4548	6°1505											
4835	168	14°7090	19°3246	20	3°4801	7°5073											
4836	168	14°9121	19°6807	17	3°6965	7°5255											
4837	208	18°8862	19°6960	18	7°6678	7°7243	65 1080	9.5									
4838	10	22°2656	19°0986	10	11°0211	7°0058											
4839	8	22°3742	19°5382	6	11°1448	7°4433											
4840	11	23°4566	19°1626	12	12°2162	7°0298											
4841	368	18°8142	20°2961	428	7°6166	8°3266	65 1079	7.3									
4842	208	19°5716	20°7169	188	8°3871	8°7237											
4843	14	21°6189	20°2515	12	10°4173	8°1851											
4844	188	21°8721	20°8735	18	10°6921	8°7963											
4845	12	16°8368	21°4540	12	5°6847	9°5575											
4846	16	17°1972	21°0891	16	6°0319	9°1802											
4847	388	21°0669	21°8726	368	9°9232	9°8248	65 1083	9.3									
4848	688	23°3099	21°0663	768	12°1379	8°9388	65 1087	6.5									
4849	12	14°9491	22°0413	10	3°8171	10°2138											
4850	14	19°9763	22°7065	12	8°8629	10°6965											
4851	308	20°3236	22°5040	328	9°2057	10°4833	65 1082	9.5									
4852	348	20°6197	22°7009	308	9°5065	10°6669											
4853	228	20°9278	22°3586	208	9°8043	10°3156											
4854	14	22°2952	22°8972	12	11°1874	10°8037											
4855	10	14°7849	23°2890	12	3°6981	11°4626											
4856	248	16°3342	23°4329	228	5°2520	11°5534											
4857	16	17°5100	23°5108	14	6°4289	11°5882											
4858	14	18°1185	23°8516	14	7°0503	11°9058											
4859	16	18°2460	23°7873	14	7°1742	11°8375											
4860	18	18°3458	23°5807	14	7°2671	11°6269											

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .

## ZONE + 65°.

R.A. 15 <sup>h</sup> 54 <sup>m</sup> to 16 <sup>h</sup> 3 <sup>m</sup> —contd.									R.A. 16 <sup>h</sup> 3 <sup>m</sup> to 16 <sup>h</sup> 12 <sup>m</sup> —contd.																
Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°												
Plate 2046. 1894, May 17.				Plate 2659. 1895, June 5.					Plate 2046. 1894, May 17.				Plate 2651. 1895, June 2.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.									
								No.									No.								
								Mag.									Mag.								
4910	19	11'4665	24'9407	22§	22'4776	13'0845	°	m.	4958				8	13'4534	10'2071	°	m.								
4911				12	18'7928	13'4062			4959	11	15'4771	24'1303	16	4'4424	12'2753										
4912				10	21'1872	13'7842			4960				8	10'2099	12'2745										
4913	45§	12'5449	25'5610	46§	23'5280	13'7452	66	930	4961				8	10'3477	12'3055										
4914				12	24'6873	13'2975	66	932	4962	29§	15'6064	25'0920	36§	4'6100	13'2290	66	935								
	30	0'7477	15'0461	64§	26'9794	9'2998	65	1097					66§	5'3205	1'4951	65	1098								
							65	1086					48§	1'5615	13'8080	66	930								
								9'1								65	1105								
										30	25'9537	19'9526				66	942								
										28	26'8996	25'5497													
R.A. 16 <sup>h</sup> 3 <sup>m</sup> to 16 <sup>h</sup> 12 <sup>m</sup>									R.A. 16 <sup>h</sup> 12 <sup>m</sup> to 16 <sup>h</sup> 21 <sup>m</sup>																
Centre R.A. 16 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°					Centre R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 65°				R.A. 16 <sup>h</sup> 21 <sup>m</sup> Dec. + 66°												
Plate 2046. 1894, May 17.				Plate 2651. 1895, June 2.					Plate 423. 1892, June 13.				Plate 2651. 1895, June 2.												
4915				12	8'7971	2'8674	°	m.	4963	46§	9'8146	14'4035	49§	21'2473	2'2814	65	1112								
4916				14	10'8671	2'8350			4964	20§	13'6365	14'1407	39	25'0793	2'1585		9'0								
4917	40§	19'2846	15'1848	42§	7'9366	3'2036	65	1099	4965	44§	6'3385	15'0503	46§	17'7543	2'8016	65	1108								
4918	12	21'2263	15'2183	16	9'8777	3'1662			4966	44§	7'5138	15'7513	42§	18'8998	3'5470	65	1110								
4919				12	10'1487	3'8875			4967				17	21'5756	3'1594										
4920	14	14'2557	16'2691	20	2'9520	4'4599			4968	7	4'4262	16'4524	14	15'7890	4'1351										
4921				7	4'6521	4'2243			4969				10	16'7762	4'5881										
4922				10	4'8542	4'5451			4970	13	5'8627	16'0544	22§	17'2396	3'7860										
4923				8	5'0546	4'3863			4971	52§	12'1450	16'5996	44§	23'4986	4'5607	65	1115								
4924	8	17'0285	16'1550	10	5'7160	4'2487			4972				6	14'6417	5'1569										
4925				10	8'5396	4'1442			4973				6	14'1179	5'7169										
4926	12	15'0274	17'2712	16	3'7566	5'4377			4974				6	15'2838	5'6770										
4927				8	8'2879	5'6710			4975				12	15'4957	5'6051										
4928				14	13'4837	5'6636			4976				6	17'0293	5'6785										
4929				12	6'9440	6'7072			4977				6	17'0453	5'0918										
4930				10	8'7261	6'9229			4978				12	17'6869	5'7558										
4931				10	10'1994	6'7757			4979	18	10'2150	17'0668	21	21'5491	4'9583										
4932				8	10'2076	6'7692			4980	50§	5'6297	18'0698	46§	16'9314	5'7936	65	1107								
4933				8	11'8510	6'5448			4981	18	13'6751	17'8590	26	24'9812	5'8745		7'8								
4934	20	14'6026	19'0330	22§	3'3906	7'2128			4982				12	14'2842	6'8097										
4935	8	20'0854	19'2265	12	8'8789	7'2132			4983	15	3'8513	19'0376	18	15'1192	6'6960										
4936	11	20'7998	19'3612	14	9'5948	7'3255			4984				7	15'7665	6'9391										
4937	8	22'0450	19'1906	12	10'8354	7'1117			4985				10	15'5098	7'5201										
4938				8	10'9248	7'1501			4986	21§	7'3800	19'8459	26§	18'6197	7'6318	65	1109								
4939	22	22'4124	19'4933	22§	11'2105	7'4041	65	1102	4987	27§	3'5346	20'0904	30§	14'7659	7'7370	65	1105								
4940				12	11'8197	7'3674			4988	30§	5'4649	20'1899	38§	16'6913	7'9064	65	1106								
4941	15	23'4982	19'0598	16§	12'2798	6'9263			4989	12	9'8297	20'9578	14	21'0251	8'8320		9'0								
4942	45§	24'5523	19'8564	36§	13'3569	7'6874	65	1104	4990	9	5'9958	21'6511	18	17'1667	9'3899										
4943	8	14'8145	20'9212	10	3'6697	9'0927			4991	8	8'8437	21'0698	14	20'0373	8'9089										
4944	8	15'7521	20'2771	12	4'5857	8'4148			4992	18	11'5346	21'7235	20	22'7008	9'6602										
4945	54§	15'8252	20'9908	50§	4'6821	9'1253	65	1097	4993	8	12'7764	21'9328	14	23'9362	9'9154										
4946				6	9'3971	8'9870			4994				8	19'0131	10'6953										
4947				8	10'7519	8'1670			4995	8†	8'0168	22'7606	16	19'1498	10'5710										
4948				8	10'7725	8'1356			4996	11	10'7588	22'3280	18	21'9037	10'2355										
4949				10	4'5198	9'2963			4997	30§	11'9706	22'8771	32§	23'0947	10'8306	65	1114								
4950				8	8'2909	9'4357			4998	29§	12'4115	23'2564	32§	23'5190	11'2262	65	1116								
4951				6	8'4226	9'7922			4999	18	12'8639	23'2471	18	23'9751	11'2306		9'3								
4952				6	8'4710	9'8668			5000	13	4'1446	24'0422	18	15'2315	11'7099		9'0								
4953				8	9'7099	9'8955			5001	13†	4'4745	24'2494	20	15'5533	11'9245										
4954	24	16'7747	22'6588	28§	5'6873	10'7580			5002	34	7'0957	24'1204	34§	18'1823	11'8944										
4955	8	16'8865	22'4576	12	5'7924	10'5536			5003	36§	8'0944	24'2194	32§	19'1723	12'0255	65	1111								
4956	20	20'1310	22'5503	20§	9'0382	10'5353	65	1100									9'5								
4957	19	21'9270	22'3104	24§	10'8253	10'2354	65	1101																	



Z O N E + 65°.

1 réseau interval represents very nearly  $5' = 47^{\circ}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\circ}.2$  at Dec.  $+ 66^{\circ}$ .

Z O N E + 65°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.
<b>R.A. 16<sup>h</sup> 30<sup>m</sup> to 16<sup>h</sup> 39<sup>m</sup>—contd.</b>								
Centre	R.A. 16 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				
	Plate 392. 1892, May 23.			Plate 2660. 1895, June 5.				
5104	42§	11·1083	25·7922	34§	22·1149	13·6915	66° 965	m.
5105	28	13·9045	25·9776	20	24·9029	13·9783		
				45§	16·5902	0·8159	65 1127	9·0
				45§	26·2331	5·8344	65 1138	9·0
	43§	2·7397	22·8074				65 1124	9·3
<b>R.A. 16<sup>h</sup> 39<sup>m</sup> to 16<sup>h</sup> 48<sup>m</sup></b>								
Centre	R.A. 16 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				
	Plate 392. 1892, May 23.			Plate 427. 1892, June 15.				
5106	40§	14·5401	14·2957	19	3·1646	2·4721	65 1136	m.
5107	28§	19·9185	14·0501	8†	8·5306	2·0338		9·5
5108	24§	21·6283	14·2043				65 1142	9·5
5109	32§	22·3644	14·8950	7	11·0051	2·7890	65 1144	9·5
5110	10	15·6111	15·6350					
5111	8	18·9663	15·6302					
5112	28§	19·8859	15·7967	8	8·5624	3·7794		
5113	12	21·3036	15·0746					
5114	12	23·3742	15·1191					
5115	12	23·9763	15·5904					
5116	38§	24·5554	15·6589	9	13·2241	3·4735	65 1146	9·3
5117	12	15·4899	16·2474					
5118	12	20·4699	16·8687					
5119	10	21·0470	16·8964					
5120	18§	21·8996	16·4802	10	10·5974	4·3898		
5121	28§	22·1810	16·9066	5	10·8944	4·8054		
5122	12	23·0940	16·6028					
5123	16	23·1112	16·6883					
5124	40§	14·9316	17·7872	14	3·6843	5·9504	65 1138	9·0
5125	20	19·4488	17·8940	7	8·1984	5·8885		
5126	42§	21·5861	17·7064	16	10·3311	5·6249	65 1143	9·4
5127	12	22·2281	17·1286					
5128	12	23·5905	17·6462					
5129	12	15·8615	18·8556					
5130	10	20·5006	18·2437					
5131	10	20·5791	18·8292					
5132	20§	21·2447	18·9527	6	10·0326	6·8818		
5133	8	24·0268	18·0542					
5134	22	24·5797	18·9101	5	13·3676	6·7218		
5135	8	15·6831	19·9466					
5136	52§	19·8509	19·2478	26§	8·6518	7·2308	65 1141	8·0
5137	8	16·3614	20·7347					
5138	16	19·7701	20·5548	8	8·6175	8·5402		
5139	16	15·1683	21·3093	4	4·0458	9·4580		
5140	18§	15·3459	21·9247	4	4·2435	10·0659		
5141	14	16·0115	21·2796					
5142	38§	16·6633	21·2252	16	5·5353	9·3207	65 1139	9·5
5143	12	18·8156	21·6053					
5144	28§	21·9490	21·5731	8	10·8328	9·4791		
5145	20§	14·2304	22·7862	6	3·1646	10·9684		</

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .



## ZONE + 65°.

R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 16 <sup>h</sup> 57 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 57 <sup>m</sup> to 17 <sup>h</sup> 6 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 437. 1892, June 20.				Centre R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 427. 1892, June 15.				Centre R.A. 16 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 437. 1892, June 20.				Centre R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2661. 1895, June 5.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.
5202	4	3°1805	24°0239				° m.	5252	14	17°3008	23°0939	14	6°2674	11°1503	° m.
5203	16	3°0333	24°4314					5253	22	18°0685	23°4930	18	7°0504	11°5216	
5204	28	4°6886	24°9510	10	15°7912	13°0100		5254	12	18°2691	23°0911	14	7°2353	11°1160	
5205	23	5°1625	24°5319	4	16°2773	12°6053		5255	8	18°5312	23°8571	8	7°5254	11°8688	
5206	28§	12°2855	24°5778	8	23°3945	12°9090		5256	36§	18°7722	23°7089	40§	7°7637	11°7099	65 1163 9°5
5207	20	8°5010	25°7903	4	19°5678	13°9835		5257	16	19°3148	23°5613	14	8°2968	11°5489	
5208	6	10°1735	25°7855					5258	12	17°1847	24°9485	14	6°2216	13°0120	
5209	32§	10°8931	25°0986	12	21°9863	13°3785	65 1155 9°5	5259				10	8°7934	12°1041	
	30§	1°7837	15°5120				65 1146 9°3	5260	6	23°2326	24°0217	18	12°2278	11°8707	
	69§	4°3474	26°5384				66 978 9°0	5261	34	24°7587	24°2205	26§	13°7631	12°0168	
R.A. 16 <sup>h</sup> 57 <sup>m</sup> to 17 <sup>h</sup> 6 <sup>m</sup>								5262	26§	14°8413	25°1120	26§	3°8826	13°2524	
Centre R.A. 16 <sup>h</sup> 57 <sup>m</sup> Dec. + 65° Plate 437. 1892, June 20.				Centre R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2661. 1895, June 5.				5263	14†	15°1005	25°6001	14	4°1579	13°7316	
5210	12	16°5099	14°6891	10	5°1892	2°7753	° m.	5264	30	21°2613	25°0053	24§	10°2938	12°9250	65 1164 9°5
5211	38§	16°7957	14°5516	30§	5°4722	2°6302	65 1162 9°5	5265				12	12°2866	13°3404	
5212	30	21°7452	14°3936	24	10°4129	2°3039	65 1165 9°4	5266	48§	24°2756	25°9400	34§	13°3415	13°7518	66 994 9°1
5213	12	15°7525	15°5493	9	4°4625	3°6610		5267	46§	24°2343	25°9417	26§	13°2948	13°7549	
5214	14	16°1685	15°1992	14	4°8620	3°3014						102§	1°3319	4°4841	65 1159 6°7
5215	18	21°0752	15°9277	20	9°7927	3°8564						133§	0°8098	5°6594	65 1157 5°3
5216	24	21°4195	15°2870	22	10°1152	3°2051		R.A. 17 <sup>h</sup> 6 <sup>m</sup> to 17 <sup>h</sup> 15 <sup>m</sup>							
5217	12	23°1358	15°3182	16	11°8329	3°1760		Centre R.A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2048. 1894, May 17.				Centre R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2661. 1895, June 5.			
5218	58§	24°8372	15°0009	52§	13°5242	2°7994	65 1168 8°5	5268	8†	4°1440	14°6616	6	15°6262	2°5578	° m.
5219	20	14°8618	16°3927	18	3°6030	4°5357		5269	14	12°0752	14°8121	10†	24°7171	2°8877	
5220	24	16°2761	16°9997	24	5°0340	5°0926		5270	14	13°2378	14°6568	8	17°1553	3°2166	
5221	10	22°1805	16°9674	10	10°9350	4°8589		5271	6†	5°7000	15°2638	12	18°0813	3°8430	
5222				14	6°9043	5°9440		5272	10	6°6412	15°8598	12	22°7185	3°5805	
5223	6†	22°3217	17°4324	8	11°0908	5°3161		5273	16†	11°2710	15°4260	18	23°8035	3°5973	
5224	44§	23°5324	17°6907	46§	12°3128	5°5356	65 1167 8°9	5274	22	12°3548	15°3993	10	14°6052	4°4691	
5225	46§	16°2998	18°2429	40§	5°1018	6°3368	65 1161 9°1	5275	8*	3°1938	16°6058	18	22°6148	4°3710	
5226	40§	16°3494	18°2448	34§	5°1524	6°3365		5276	20	11°1950	16°2167	14	14°5241	5°4617	
5227	26	17°8216	18°9777	26	6°4673	7°0195		5277	14	3°1509	17°6052	10†	17°8612	5°3548	
5228	14	21°8026	18°4725	16	10°6101	6°3746		5278	12†	6°4827	17°3750	18	21°0386	5°8261	
5229	34§	22°4244	18°2004	36§	11°2213	6°0820	65 1166 9°2	5279	16	9°6727	17°7288	12	17°1648	6°6708	
5230	22	14°2815	19°4277	20	3°1248	7°5899		5280	12†	5°8336	18°7162	18	17°9458	6°3164	
5231	26	15°0902	19°7260	26	3°9445	7°8600		5281	18	6°6044	18°3314	8	19°6885	6°9793	
5232	10	19°3043	19°8570	10	8°1575	7°8443		5282	6	8°3699	18°9299	20	20°8287	6°4310	
5233	12	20°3901	19°1039	18	9°2188	7°0561		5283	16	9°4877	18°3402	22	22°2444	6°4317	
5234				12	13°6890	7°1017		5284	20	10°8996	18°2896	11	24°6828	6°5633	
5235	30§	16°4294	20°6302	34§	5°3145	8°7171		5285	4†	13°3415	18°3285	16	19°6091	7°2733	
5236	18	17°0594	20°9099	16	5°9527	8°9709		5286	16	8°2957	19°2254	44§	20°7813	7°6046	65 1172 8°8
5237				10	7°1886	8°9447		5287	46§	9°4827	19°5149	26	23°3167	8°1443	
5238	16	19°0270	20°8119	16	7°9152	8°8105		5288	22	12°0363	19°9593	26	23°3848	7°2920	
5239	12	21°6683	20°0784	12	10°5318	7°9872		5289	24	12°0723	19°1088	11	24°1083	8°0587	
5240	10	16°6633	21°2505	16	5°5711	9°3303		5290	16	12°8237	19°8473	32§	19°0779	9°0295	
5241	20	16°7084	21°1414	22	5°6132	9°2203		5291	32§	7°8321	20°9995	14	20°1238	8°5635	
5242	18	18°2358	21°1515	22	7°1356	9°1764		5292	12	8°8597	20°4983	18	20°2106	8°3949	
5243	20	19°0596	21°9593	18	7°9901	9°9516		5293	18	8°9390	20°3248	22	20°4252	9°0005	
5244	16	18°3457	22°3760	14	7°2908	10°3974		5294	22	9°1778	20°9215	26§	22°3385	8°6184	
5245	18	19°3698	22°5509	16	8°3221	10°5379		5295	28§	11°0743	20°4699	14	25°2200	9°2106	
5246	18	20°1196	22°9891	20	9°0856	10°9472		5296	10	13°9755	20°9529	18	17°0234	9°7302	
5247	8	20°8976	22°8801	16	9°8577	10°8100		5297	18	5°8067	21°7797	32§	21°9463	9°6243	
5248				6	13°2902	10°6118		5298	36§	10°7186	21°4894	12	22°2507	10°1427	
5249				16	13°3484	10°1149		5299	10	11°0436	21°9967	8	22°3225	9°6456	
5250	39§	24°5823	22°9311	32§	13°5439	10°7374	65 1169 9°3	5300	8	11°0968	21°4963	30§	24°5771	9°5640	65 1173 9°3
5251	32	24°6172	22°6712	26	13°5670	10°4755		5301	30	13°3474	21°3322	16	15°1461	10°0314	
								5302	14	3°9421	22°1499				

1 réseau interval represents very nearly 5' = 47°3 of R.A. at Dec. + 65°, and 49°2 at Dec. + 66°.

ZONE + 65°.

R.A. 17 <sup>h</sup> 6 <sup>m</sup> to 17 <sup>h</sup> 15 <sup>m</sup> — <i>contd.</i>								R.A. 17 <sup>h</sup> 15 <sup>m</sup> to 17 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									
Centre		R.A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				Centre		R.A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°					
Plate 2048. 1894, May 17.				Plate 2661. 1895, June 5.				Plate 2048. 1894, May 17.				Plate 446. 1892, June 24.					
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		
							No.	Mag.								No.	Mag.
5303	4†	7.9547	22.2217	10	19.1567	10.2545	°	m.	5350				14	12.9255	3.9299	°	m.
5304	20	8.0195	22.0519	16	19.2249	10.0874			5351	18§	25.1955	16.0106	32§	13.9179	3.8374		
5305	24§	10.2633	22.8647	22§	21.4357	10.9792			5352	24	14.7935	17.0370	35§	3.5572	5.2315		
5306	10	10.3048	22.5998	14	21.4899	10.7161			5353				10	4.3574	5.4929		
5307				10	22.1938	10.4431			5354				20	5.6141	5.1176		
5308	10	13.3645	21.9276	8	24.5724	10.1576			5355				12	5.7455	5.4385		
5309	8	3.3402	23.9209	16	14.4816	11.7781			5356	12	22.2877	17.2978	20	11.0551	5.2272		
5310				12	16.5283	11.2375			5357	32§	24.8333	17.1181	40§	13.5891	4.9531	65 1180	9.4
5311	42§	8.0801	23.6737	40§	19.2247	11.7097	65 1171	9.5	5358				12†	3.5377	6.4597		
5312				12	19.3333	11.4884			5359	9†	15.8788	18.3205	20	4.6901	6.4781		
5313	12	8.4283	23.8479	16	19.5656	11.8928			5360	10†	16.0125	18.9071	14	4.8437	7.0586	65 1175	9.0
5314	18	9.9133	23.1317	20	21.0778	11.2346			5361	44§	16.2045	18.9333	44§	5.0364	7.0768		
5315	24	10.5743	23.6498	20	21.7200	11.7761			5362				12	7.3057	6.4197		
5316	14	12.3240	23.5065	16	23.4745	11.6988			5363				14	8.9721	6.3616		
5317				16	14.0476	12.7726			5364	8†	20.3133	18.8989	16	9.1423	6.8952		
5318				6†	16.6437	12.3377			5365				14	13.5145	6.7513		
5319	242§	5.9440	24.0847	180§	17.0786	12.0330	65 1170	3.0	5366				10	13.9566	6.4874		
5320	22	11.7395	24.6400	22	22.8456	12.8062			5367	14	14.6788	19.1993	18	3.5240	7.3975		
5321				14	15.0951	13.7252			5368				12	5.1031	7.5483		
5322				9	15.1143	12.9984			5369	18	16.5407	19.5281	18	5.3938	7.6596		
5323	25	7.4054	25.1097	28§	18.5001	13.1133			5370	16	19.1144	19.6465	20	7.9726	7.6840		
5324				14	21.1188	13.3830			5371	24	20.9030	19.6732	28§	9.7602	7.6498		
5325	20	12.5250	25.1094	20	23.6158	13.3063			5372	16	21.2531	19.0788	18	10.0851	7.0411		
	54§	2.0524	14.9805				65 1168	8.5	5373				16	13.3957	7.7015		
	30	2.2270	25.9396				66 994	9.1	5374	16	14.0732	20.4453	24§	2.9650	8.6658		
	42	2.2728	25.9343				66 1001	9.5	5375				16	3.0749	8.3859		
	34§	10.3775	26.3796						5376	30§	16.4026	20.9258	30§	5.3068	9.0623		
									5377	14	19.3432	20.2195	18	8.2199	8.2507		
									5378				10	9.0946	8.1467		
									5379	26	23.1109	20.1644	28§	11.9829	8.0613	65 1177	9.5
									5380				10	13.8548	8.6555		
									5381				10	4.6792	9.7284		
									5382				10	5.1092	9.2324		
									5383	8	16.3313	21.7466	10	5.2686	9.8861		
									5384	22	17.0480	21.6705	20	5.9787	9.7824		
									5385	11	18.7624	21.4476	16	7.6850	9.4988		
									5386	20	19.5817	21.2704	20	8.4928	9.2919		
									5387	18	20.2244	21.4424	22§	9.1446	9.4412		
									5388				14	9.7614	9.3859		
									5389	22	23.2517	21.8703	30§	12.1819	9.7641		
									5390				10	3.9716	10.7338		
									5391				10	5.0163	10.4839		
									5392	64§	20.6436	22.8173	72§	9.6113	10.8011	65 1176	7.5
									5393				14	11.1459	10.2562		
									5394				14	13.1141	10.9102		
									5395	22§	24.9238	22.1894	28§	13.8647	10.0158	65 1181	9.2
									5396	34§	14.3589	23.3613	38§	3.3535	11.5710	65 1174	9.4
									5397	22§	14.6840	23.8099	28§	3.6938	12.0046		
									5398	16	14.7321	23.9296	22	3.7457	12.1198		
									5399				8	7.4445	11.5999		
									5400				10	9.5196	11.2147		
									5401				12	12.3580	11.5136		
									5402				14	3.7658	12.1624		
									5403	40§	17.0198	24.6036	42§	6.0540	12.7170		
									5404				12	7.3963	12.9442		
									5405				10	7.4645	12.5140		
									5406				14	10.0242	12.9122		
									5407				18	3.4594	13.6927		
									5408				14	3.9750	13.1225		

~~No. 100 is S. I. L. 100~~

1 *réseau* interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .



R.A. 17 <sup>h</sup> 15 <sup>m</sup> to 17 <sup>h</sup> 24 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup> —contd.						
Centre		R.A. 17 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°		Centre		R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			
Plate 2048. 1894, May 17.		Plate 446. 1892, June 24.		Plate 2672. 1895, June 8.		Plate 446. 1892, June 24.							
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
						B. D.							
						No.	Mag.						
5409				10	4.7984	13.2764							
5410	418	17.8262	25.7676	428	6.9037	13.8470	66	1011	9.3				
5411	34	18.9517	25.2685	308	8.0075	13.3090							
5412	14	19.5555	25.7587	288	8.6290	13.7765							
	23	26.1930	24.0397				65	1183	9.5				
R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup>							R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 33 <sup>m</sup>						
Centre		R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°		Centre		R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°		R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			
Plate 2672. 1895, June 8.		Plate 446. 1892, June 24.		Plate 2672. 1895, June 8.		Plate 446. 1892, June 24.							
5413	14	11.4183	13.9840	12	22.8681	2.0620							
5414	12	3.5349	14.4711	16	14.9742	2.2814							
5415	308	4.1128	14.6546	368	15.5433	2.4851							
5416	8†	5.9937	14.9936	22	17.4136	2.8895							
5417	8	6.1587	14.8258	8	17.5834	2.7281							
5418	12	6.8667	14.3026	16	18.3068	2.2277							
5419	14	8.8772	14.5652	21	20.3087	2.5598							
5420	10†	10.7580	14.4153	10	22.1940	2.4741							
5421	15	11.9353	14.7599	21	23.3576	2.8598							
5422	22	4.0349	15.1753	24	15.4472	3.0050							
5423	12†	4.8873	15.1378	10	16.3007	2.9952							
5424	14	5.6278	15.1114	10	17.0432	2.9950							
5425	428	8.6708	15.7889	448	20.0587	3.7768	65	1189	9.4				
5426	6†	12.0189	15.6901										
5427	14	12.0704	15.7542	22	23.4579	3.8560							
5428	14	12.0812	15.8086	16	23.4668	3.9108							
5429	16	12.8666	15.7051	19	24.2570	3.8327							
5430	8†	3.0609	16.2208	10	14.4361	4.0180							
5431	348	3.8788	16.4838	368	15.2478	4.3065							
5432	14	4.1611	16.0501	18	15.5450	3.8810							
5433	6*	5.2033	16.4837	8	16.5724	4.3510							
5434	8	5.6942	16.3729	10									

1 réseau interval represents very nearly  $5' = 47^s.3$  of R.A. at Dec.  $+ 65^\circ$ , and  $49^s.2$  at Dec.  $+ 66^\circ$ .

ZONE + 65°.

R.A. 17 <sup>h</sup> 33 <sup>m</sup> to 17 <sup>h</sup> 42 <sup>m</sup>								R.A. 17 <sup>h</sup> 33 <sup>m</sup> to 17 <sup>h</sup> 42 <sup>m</sup> —contd.									
Centre R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2672. 1895, June 8.				Centre R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.				Centre R.A. 17 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2672. 1895, June 8.				Centre R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
5515	16	15°3774	14°4276	528	10°9319	2°4906	65 1203	8°0	5574	13	24°2740	23°6658	14	13°2276	11°3964	65 1209	9°5
5516	488	22°3079	14°6807	18	6°2561	3°1742			5575	32	24°5431	23°8710	348	13°5044	11°5945		
5517	228	17°6113	15°1918						5576	12	15°8813	24°1761	12	4°8636	12°2160		
5518	14	20°1536	15°3506						5577	16	15°4866	25°1693					
5519	14	21°5467	15°7782						5578	24	20°9411	25°8872	24	9°9826	13°7407		
5520	10	22°2122	15°6716						5579	20	21°9623	25°2951	22	10°9788	13°1094		
5521	10	22°8542	15°5336						5580	468	24°2892	25°8136	408	13°3242	13°5442	65 1208	8°2
5522	24	22°9155	15°6700	20	11°5752	3°4558			5581	19†	24°6601	26°1154	22	13°7006	13°8289		
5523	12	23°2711	15°2255														
5524	8	23°7709	15°6864									588	3°9408	1°4088	64 1207	9°0	
5525	16	19°4440	16°7363									31	1°3619	8°2851	65 1195	9°4	
5526	22	21°8755	16°4103	18	10°5641	4°2376						428	1°5079	12°2443	65 1194	9°3	
5527	508	15°4657	17°8772	488	4°2133	5°9394	65 1196	8°7									
5528	10	15°8140	17°4146														
5529	12	20°4794	17°2099														
5530	24	23°4480	17°8031	20	12°1855	5°5697											
5531	428	23°8512	17°3393	468	12°5734	5°0904	65 1206	8°2									
5532	18	24°1404	17°9699	14	12°8857	5°7102											
5533	18	25°0393	17°6424	16	13°7672	5°3509											
5534	12	15°8012	18°9567														
5535	10	17°7992	18°4817	10	6°5653	6°4521											
5536	368	20°7447	18°9013	328	9°5250	6°7675											
5537	308	21°5694	18°6753	308	10°3420	6°5109	65 1202	9°1									
5538	468	22°4159	18°7086	408	11°1899	6°5136	65 1205	8°5									
5539	12	15°0459	19°5316														
5540	24	15°2437	19°3441	18	4°0451	7°4101											
5541	14	15°4194	19°5963	4†	4°2332	7°6596											
5542	408	20°1821	19°5848	408	8°9898	7°4706	65 1201	9°2									
5543	12	22°7774	19°2113	10	11°5670	7°0039											
5544	328	17°3457	20°0672	288	6°1745	8°0562	65 1198	9°5									
5545	12	17°5131	20°0425	10†	6°3393	8°0261											
5546	10	21°0897	20°2906														
5547	268	21°3494	20°5412	20	10°1860	8°3843											
5548	448	22°1438	20°3505	408	10°9770	8°1631	65 1204	9°1									
5549	20	22°7210	20°5250	16	11°5599	8°3164											
5550	16	23°0848	20°1608	12	11°9062	7°9404											
5551	22	23°6566	20°5859	14	12°4965	8°3416											
5552	478	24°8541	20°6896	408	13°6973	8°4039	65 1210	9°1									
5553	14	16°4187	21°1867	12	5°2851	9°2104											
5554	14	17°2732	21°7927	10	6°1631	9°7841											
5555	368	18°8413	21°9396	308	7°7361	9°8744	65 1199	9°3									
5556	14	19°4145	21°3506														
5557	7	23°2207	21°1921	10	12°0841	8°9679											
5558	13	23°3505	21°9184	10	12°2394	9°6867											
5559	14	15°4676	22°8360														
5560	24	17°2896	22°5961	18	6°2088	10°5847											
5561	368	18°8978	22°4532	308	7°8103	10°3831	65 1200	9°5									
5562	16	20°0396	22°5666	8†	8°9541	10°4549											
5563	16	21°4006	22°1938	7†	10°3033	10°0303											
5564	328	22°2524	22°2203	308	11°1566	10°0274											
5565	18	15°1645	23°1382	16	4°1061	11°2063											
5566	22	15°8191	23°5050	12	4°7745	11°5493											
5567	388	16°0295	23°5480	388	4°9858	11°5844											
5568	348	16°0445	23°0226	32	4°9831	11°0561	65 1197	9°3									
5569	18	19°4170	23°1153	10	8°3563	11°0269											
5570	25	20°1459	23°3106	16	9°0903	11°1962											
5571	8	22°2972	23°1324	12	11°2340	10°9392											
5572	28	24°1867	23°0096	30	13°1197	10°7455	65 1207	9°3									
5573	10†	24°2702	23°2288	12	13°2078	10°9609											

<sup>1</sup> *réseau* interval represents very nearly  $5' = 47^{\circ}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\circ}.2$  at Dec.  $+ 66^{\circ}$ .



## ZONE + 65°.

R.A. 17 <sup>h</sup> 42 <sup>m</sup> to 17 <sup>h</sup> 51 <sup>m</sup> — <i>contd.</i>							R.A. 17 <sup>h</sup> 51 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>						
Centre R.A. 17 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 2673. 1895, June 8.							Centre R.A. 17 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 2673. 1895, June 8.						
R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.							R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 441. 1892, June 23.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
5623	12	11°5435	20°8739				5669	12	18°5945	18°045	10†	7°3533	6°4993
5624	26§	13°1039	20°4435	24	24°3350	8°5558	5670	22§	18°8697	18°4956	20§	7°6261	6°4800
5625	10	13°2369	20°6013				5671	8	19°5863	18°2595			
5626	22	5°2168	21°4625	16	16°4150	9°3094	5672	10	20°1450	18°3976			
5627	32§	12°6707	21°8757	30§	23°8540	9°9733	5673	8†	20°8030	18°7881	7*	9°5657	6°6991
5628	8	3°0594	22°8083	6†	14°2116	10°5803	5674	10	22°5998	18°7951	8†	11°3643	6°6369
5629	26	5°4355	22°0106	24	16°6148	9°8654	5675	6	22°7758	18°6483			
5630	18	6°8924	22°6085	12	18°0523	10°5118	5676	14	23°6521	18°6949	10	12°4140	6°4981
5631	12	12°1950	22°9773				5677	8	16°0850	19°7998	6	4°8947	7°8906
5632	20§	12°5168	22°6291	16	23°6751	10°7214	5678	34§	18°3213	19°7560	32§	7°1273	7°7609
5633	38§	3°7296	23°0523	32§	14°8739	10°8466	5679	14	21°2336	19°3301	8	10°0194	7°2249
5634	26§	7°4756	23°4238	20§	18°6051	11°3466	5680	36§	23°2241	19°4204	32§	12°0136	7°2399
5635	12	9°0039	23°4422	9	20°1328	11°4171	5681	7	23°8492	19°3539			
5636	20§	12°1696	23°0500	13	23°3125	11°1312	5682	12	24°0901	19°5469	10	12°8830	7°3308
5637	10	12°7339	23°2099				5683	12	14°0251	20°1844			
5638	14	13°1599	23°5927				5684	16	14°5582	20°2420	18	3°3844	8°3910
5639	24	6°1866	24°9203	18	17°2680	12°7964	5685	8	15°2890	20°1883			
5640	18	7°036	24°9367	16	18°7839	12°8637	5686	12	16°2989	20°1185	12†	5°1230	8°2000
5641	10	9°4317	24°7308				5687	17§	18°0093	20°6002	18†	6°8453	8°6178
5642	17	9°6620	24°6924	12	20°7493	12°6877	5688	10	24°6856	20°6741	14	13°5228	8°4366
5643	20	13°5702	24°7686	12	24°6510	12°8973	5689	10	15°6617	21°4103	6	4°5347	9°5160
5644	13*	4°0286	25°7731	8	15°0805	13°5764	5690	26§	16°1289	21°3029	28§	4°9954	9°3904
5645	16	9°4848	25°1607	12	20°5551	13°1507	5691	8	16°7718	21°5601			
5646	12	13°0252	25°2592				5692	34§	19°6698	21°1089	26§	8°5248	9°0602
5647	40§	3°9065	26°0424	28§	14°9505	13°8394	5693	12	20°2001	21°0485	7†	9°0514	8°9803
5648	18	4°9775	26°1110	16	16°0170	13°9438	5694	10	23°5340	21°7356	10	12°4141	9°5406
							5695	12	23°6136	21°0710	10	12°4649	8°8747
	51§	1°2326	17°3761	33	25°4766	12°0166	5696	22	14°2151	22°0395	20	3°1133	10°1998
	48§	2°2717	25°8009				5697	16	14°4425	22°4494	12	3°3547	10°6009
							5698	32§	14°5322	22°5709	32§	3°4481	10°7201
							5699	10	16°1457	22°9946	8	5°0757	11°0804
							5700	14	16°3162	22°1730	12	5°2165	10°2538
							5701	26	19°6757	22°0210	20	8°5679	9°9715
							5702	18	21°5748	22°2988	16	10°4745	10°1793
							5703	30§	22°0938	22°7874	24§	11°0090	10°6486
							5704	38§	14°3655	23°8571	38§	3°3305	12°0141
							5705	26§	16°7307	23°8332	20§	5°6928	11°8969
							5706	20	18°3979	23°8839	14	7°3628	11°8806
							5707	38§	18°9825	23°2648	34§	7°9190	11°2407
							5708	40§	19°4708	23°5381	38§	8°4188	11°4968
							5709	12	19°8147	23°6635	6†	8°7686	11°6086
							5710	10	20°0325	23°2452			
							5711	16	21°0345	23°8601	18	9°9935	11°7573
							5712	26§	15°7289	24°5015	18	4°7205	12°6018
							5713	8	19°4665	24°0596			
							5714	19	19°4984	24°4716	18	8°4832	12°4289
							5715	24§	19°5398	24°9713	26§	8°5454	12°9246
							5716	14	19°6138	24°0957	12	8°5847	12°0483
							5717	13	20°1575	24°3931	12	9°1405	12°3220
							5718	38§	21°1023	24°0030	36§	10°0650	11°9003
							5719	37§	24°4526	24°5023	28§	13°4338	12°2693
							5720	20	14°1568	25°2900	18	3°1777	13°4514
							5721	25§	19°5610	25°1893	22§	8°5731	13°1403
							5722	9	22°4051	25°3640	18	11°4227	13°2063
							5723	28§	22°7368	25°0464	24§	11°7430	12°8780
								62§	25°7476	24°9902			
								96§	26°4890	25°6047			
												65 1232	8°5
												65 1233	7°0

There is no star on the plates, nor on the corresponding Chart Plates, whose place corresponds with that of B. D. 65°, 1224.

1 réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.

Z O N E + 65°.

R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 9 <sup>m</sup>										R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 9 <sup>m</sup> —contd.									
Centre		R.A. 18 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				Centre		R.A. 18 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			
Plate 2697. 1895, June 17.						Plate 441. 1892, June 23.				Plate 2697. 1895, June 17.		Plate 441. 1892, June 23.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
5724	12	5.6925	14.7168	9	17.0694	2.6401	°	m.	5781				248	20.6357	13.3371	°	m.		
5725	728	9.2084	14.7547	708	20.5840	2.7986	65 1241	7.3	5782	22	11.7608	25.8007	26	22.7526	13.9221	65 1244	9.5		
5726	20	12.2988	14.7710	121	23.6732	2.9196													
5727	12	7.1939	15.4278	10	18.5477	3.3980							478	25.5712	5.8232	65 1246	9.0		
5728	14	11.3129	16.7815	9	22.6147	4.8929							648	26.8371	6.4742	65 1247	8.0		
5729	14	5.2343	17.8041	14	16.5049	5.7094													
5730	12	8.1130	17.1625	14	19.4038	5.1693													
5731	12	12.3405	17.6525	101	23.6141	5.8016													
5732	12	4.4504	18.5377	14	15.6966	6.4134													
5733	388	5.2861	18.2535	308	16.5428	6.1596	65 1235	9.5											
5734	18	6.4926	18.4337	16	17.7426	6.3806													
5735	22	7.0349	18.8446	20	18.2724	6.8109													
5736	20	7.5614	18.6804	18	18.8013	6.6628													
5737	16	8.5375	18.3123	14	19.7907	6.3295													
5738	428	8.6372	18.3268	408	19.8900	6.3473	65 1239	9.2											
5739	61	3.0255	19.7209	14	14.2320	7.5492													
5740	448	7.7422	19.5101	408	18.9542	7.5005	65 1236	8.8											
5741	20	9.3385	19.5513	20	20.5485	7.5950													
5742	101	10.5841	19.7853	11	21.7846	7.8715													
5743	26	10.8837	19.3860	28	22.0977	7.4832													
5744	8	11.2887	19.3392	81	22.5048	7.4516													
5745	10	13.5556	19.0781	91	24.7806	7.2622													
5746	18	4.9331	20.9842	268	16.0948	8.8745													
5747				6	20.8387	8.4617													
5748	101	10.0439	20.4925	14	21.2202	8.5607													
5749	81	10.5394	20.0328	10	21.7289	8.1198													
5750	10	11.1642	20.1074	10	22.3537	8.2141													
5751	28	12.0134	20.2303	22	23.1961	8.3698													
5752	22	13.8713	20.9772	14	25.0289	9.1778													
5753	26	8.9964	21.3820	28	20.1422	9.4102													
5754	12	9.8559	21.7739	12	20.9899	9.8327													
5755	20	10.1009	21.4864	18	21.2432	9.5537													
5756	8*	10.7499	21.2997	8	21.8953	9.3906													
5757				14	14.3247	10.2904													
5758				12	17.9103	10.2551													
5759	428	7.9893	22.5371	408	19.0943	10.5312	65 1237	8.7											
5760	+	9.1015	22.0986	8	20.2212	10.1308													
5761	428	9.1201	22.5157	428	20.2262	10.5503	65 1240	6.8											
5762	8	10.4282	22.1081	12	21.5476	10.1921													
5763	13	12.1336	22.9934	18	23.2239	11.1314													
5764	14	13.3551	22.6585	16	24.4538	10.8406													
5765	12	13.7436	22.5635	16	24.8452	10.7590													
5766	15	4.8662	23.4112	18	15.9469	11.3006													
5767	10	6.0360	23.3501	22	17.1151	11.2752													
5768	12	10.0332	23.9824	14	21.0847	12.0487													
5769	448	10.6884	23.5307	428	21.7568	11.6191	65 1243	9.0											
5770	28	11.2070	23.6974	348	22.2719	11.8008													
5771	12	12.7977	23.6309	18	23.8630	11.7904													
5772	46	3.7174	24.8594	468	14.7463	12.7037	65 1232	8.5											
5773	17	5.0040	24.9304	22	16.0286	12.8203	65 1234	9.5											
5774	308	9.4989	24.2997	388	20.5435	12.3473													
5775	488	9.8059	24.2030	468	20.8531	12.2609	65 1242	9.0											
5776	788	11.3644	24.4122	708	22.4027	12.5230	65 1245	7.5											
5777	828	4.5001	25.4204	828	15.5118	13.2908	65 1233	7.0											
5778	40	6.2397	25.6167	408	17.2384	13.5506													
5779	20	8.3254	25.8467	24	19.3153	13.8504	65 1238	9.5											
5780	16	8.3746	25.6275	20	19.3746	13.6315													

A *ressau* interval represents very nearly  $5' = 47^{\text{s}}.3$  of R. A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .



## ZONE + 65°.

R.A. 18 <sup>h</sup> 18 <sup>m</sup> to 18 <sup>h</sup> 27 <sup>m</sup>								R.A. 18 <sup>h</sup> 18 <sup>m</sup> to 18 <sup>h</sup> 27 <sup>m</sup> —contd.								
Centre R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				Centre R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				
Plate 2700. 1895, June 17.				Plate 2689. 1895, June 16.				Plate 2700. 1895, June 17.				Plate 2689. 1895, June 16.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
5831	468	2°9912	14°9369	428	14°3232	2°8518	65° 1258	9.5	5890	8	12°0373	23°4988				
5832	328	3°3496	14°4212	28	14°6987	2°3491			5891	6†	12°0394	23°6839	5*	23°0567	11°9163	
5833	10	5°6841	14°1037						5892	20	13°1635	23°7722	16	24°1729	12°0414	
5834	24	6°6434	14°3387	18	17°9943	2°3847			5893	448	4°7059	24°1834	388	15°7093	12°1548	
5835	268	13°0937	14°1494	18†	24°4480	2°4187			5894	7*	4°7167	24°9965	9†	15°6857	12°9677	
5836	12	13°7943	14°9960						5895	22	6°1795	24°2462	268	17°1789	12°2704	
5837	368	2°9338	15°2747	348	14°2527	3°1926			5896	6	10°1348	24°1405				
5838	16	7°0453	15°4191	14	18°3576	3°4750			5897	6†	12°9446	24°6450	7*	23°9254	12°9058	
5839	16	7°5663	15°0012	13	18°8915	3°0749			5898	16	7°8725	25°1005	20	18°8380	13°1883	
5840	14	9°2936	15°9419						5899	15	8°0331	25°7423	16	18°9809	13°8325	
5841	18	10°1435	15°9303	14	21°4339	4°0984			5900	468	9°9543	25°3245	428	20°9141	13°4785	
5842	18	12°6980	15°1102						5901	408	11°8714	25°3598	408	22°8296	13°5822	
5843	5	13°5994	15°7566						5902	14	13°8842	25°1786	8	24°8453	13°4732	
5844	16	13°9350	15°4224						R.A. 18 <sup>h</sup> 27 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup>							
5845	12	5°0168	16°4535	12	16°2926	4°4395			Centre R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°	R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°						
5846	24	6°3209	16°4403	28	17°5971	4°4722			Plate 2700. 1895, June 17.	Plate 2690. 1895, June 16.						
5847	12	7°1251	16°3855	7	18°4050	4°4446			5903	228	15°6742	14°3457	24	4°3117	2°4909	
5848	7	9°2446	16°1200	6†	20°5275	4°2532			5904	388	15°6897	14°3686	34	4°3267	2°5120	
5849	448	10°6876	16°2617	488	21°9661	4°4497	65 1267	8.4	5905	8	16°0497	14°8167				
5850	18	11°4375	16°0965	8	22°7235	4°3090			5906	588	16°9620	14°2903	708	5°5953	2°3867	
5851	8	12°4549	16°9975						5907	10	24°7748	14°0561	8†	13°3941	1°8736	
5852	10	12°9027	16°3445						5908	678	25°1246	14°0016	708	13°7442	1°8049	
5853	18	13°8869	16°0643	10†	25°1687	4°3643			5909	16	14°8505	15°9492	12	3°5462	4°1223	
5854	22	2°9105	17°1468	20	14°1633	5°0565			5910	288	15°0719	15°6258	22	3°7544	3°7907	
5855	28	4°6588	17°0790	24	15°9128	5°0499	65 1260	9.4	5911	328	18°9890	15°9494	368	7°6840	3°9704	
5856	14	4°9403	17°2217	16	16°1902	5°2062			5912	14	20°6970	15°0354	14	9°3540	2°9984	
5857	488	5°2095	17°3210	468	16°4544	5°3144	65 1262	8.0	5913	348	21°7133	15°6075	368	10°3908	3°5316	
5858	26	10°8330	17°8879	22	22°0523	6°0792			5914	368	22°1146	15°7590	388	10°7976	3°6714	
5859	288	11°7709	17°1303	27	23°0173	5°3543	65 1269	9.4	5915	14	22°4479	15°3160	12	11°1152	3°2173	
5860	468	12°1976	17°1412	578	23°4451	5°3795	65 1270	8.6	5916	20	14°2811	16°5318	16	2°9986	4°7247	
5861	7	5°6748	18°8454	8*	16°8631	6°8558			5917	228	14°5722	16°0640	21	3°2709	4°2463	
5862	9	5°9078	18°0397	7†	17°1277	6°0591			5918	16	15°4457	16°1808	11	4°1481	4°3298	
5863	268	6°2803	18°8576	24	17°4725	6°8880			5919	18	15°8497	16°2208	11	4°5564	4°3564	
5864	18	8°6736	18°8083	20	19°8645	6°9233			5920	248	16°8007	16°1579	218	5°5043	4°2551	
5865	388	10°2371	18°3491	348	21°4433	6°5201			5921	12	19°7759	16°0341	14	8°4740	4°0294	
5866	288	11°1823	18°0870	23	22°3964	6°2904			5922	18	19°8667	16°7634	22	8°5874	4°7536	
5867	16	12°9421	18°0355	10	24°1572	6°3003			5923	32	22°2733	16°9919	328	11°0038	4°8924	
5868	12	13°0944	18°1827	4†	24°3068	6°4558			5924	368	22°3696	16°3269	368	11°0751	4°2277	
5869	20	13°8362	18°4345	6	25°0403	6°7329			5925	21	24°4373	16°2051	308	13°1357	4°0324	
5870	408	4°9377	19°2198	388	16°1147	7°2048	65 1261	9.1	5926	12	14°5651	17°5736				
5871	488	8°8210	19°9512	468	19°9711	8°0701	65 1265	9.1	5927	10	14°7478	17°2406				
5872	8	11°6911	19°3788						5928	16	14°9062	17°1311	16	3°6422	5°2999	
5873	1068	12°3536	19°9653	1028	23°5068	8°2111	65 1271	5.0	5929	14	15°0193	17°0691	14	3°7553	5°2329	
5874	14	12°4352	19°0305	6†	23°6143	7°2788			5930	16	15°7107	17°4522	12	4°4585	5°5942	
5875	10	13°5175	19°2004						5931	14	16°8408	17°2906	8	5°5849	5°3914	
5876	13	3°1544	20°8090	12	14°2815	8°7312			5932	12	19°3078	17°5193	10	8°0555	5°5295	
5877	228	7°5107	20°7926	208	18°6291	8°8654			5933	528	19°7898	17°5280	488	8°5368	5°5221	
5878	20	8°1945	20°7666	22	19°3172	8°8624			5934	6	21°6055	17°5304	10	10°3528	5°4622	
5879	12	11°2922	20°3417	13†	22°4321	8°5454			5935	7†	23°2693	17°4967	8	12°0150	5°3658	
5880	12	9°9938	21°7837	14	21°0806	9°9407			5936	8	14°9687	18°0584	7*	3°7390	6°2261	
5881	6	11°5756	22°3067	10	22°6382	10°5212			5937	12	17°0430	18°6298	14	5°8297	6°7224	
5882	488	11°7549	22°3266	488	22°8160	10°5463	65 1268	8.4	5938	10	17°2683	18°7081				
5883	14	13°0476	22°3596	10†	24°1129	10°6257			5939	14	18°8426	18°6583	12	7°6325	6°6850	
5884	228	13°4139	22°6818	208	24°4642	10°9632			5940	848	18°9225	18°2940	848	7°6962	6°3180	
5885	8	13°5248	22°9086	6†	24°5699	11°1937			5941	228	18°9735	18°3825	228	7°7550	6°4057	
5886	20	3°4475	23°1729	26	14°4857	11°1010			5942	6	20°8940	18°1591	8†	9°6653	6°1101	
5887	328	5°9277	23°0398	368	16°9695	11°0574	65 1263	9.4								
5888	288	6°0558	23°4716	288	17°0837	11°4947	65 1264	9.4								
5889	12	7°2965	23°6922	12	18°3159	11°7607										

1 réseau interval represents very nearly 5' = 47°.3 of R.A. at Dec. + 65°, and 49°.2 at Dec. + 66°.

ZONE + 65°.

R.A. 18 <sup>h</sup> 27 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup> —contd.										R.A. 18 <sup>h</sup> 36 <sup>m</sup> to 18 <sup>h</sup> 45 <sup>m</sup> —contd.											
Centre		R.A. 18 <sup>h</sup> 27 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				Centre		R.A. 18 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°					
Plate 2700.		1895, June 17.				Plate 2690.				Plate 1321.		1893, Aug. 2.				Plate 2690.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.					
								No.	Mag.										No.	Mag.	
5943	38§	21.6996	18.2568	40§	10.4757	6.1821	65 1279	m.	5989	8	8.8144	14.3162	5*	20.3000	2.3363	o	m.				
5944	108§	25.1102	18.9469	94§	13.9062	6.7460	65 1283	9.2	5990	12	6.8957	15.1895	24	18.3546	3.1370						
5945	28	14.2281	19.9320	24	3.0677	8.1241	65 1272	9.5	5991	7†	3.3243	16.4007	8	14.7392	4.2287						
5946	24§	15.7909	19.4894	24	4.6129	7.6256			5992	10	3.3313	16.4043	14	14.7449	4.2317						
5947	10	19.4384	19.7520	10	8.2649	7.7569			5993	22	3.3856	16.3981	36§	14.8030	4.2254	65 1284	9.5				
5948	9	22.6273	19.2103	12	11.4342	7.1001			5994	6†	5.4273	16.8044	8	16.8281	4.7091						
5949	13	23.2419	19.0718	22	12.0446	6.9386			5995	10	6.8817	16.5105	14	20.0897	4.5252						
5950	14	14.1473	20.9500	8	3.0223	9.1418			5996	12	9.1667	16.0199	16	20.5933	4.0514						
5951	22	14.6632	20.5178	23	3.5249	8.6937			5997	16	9.2531	16.4988	18	20.6634	4.5319						
5952	6†	15.3291	20.5193	8†	4.1893	8.6692			5998	42§	9.3584	16.7408	50§	20.7629	4.7792	65 1286	8.5				
5953	12	16.5697	20.5480	12	5.4285	8.6522			5999	32§	9.6469	16.4392	48§	21.0596	4.4876	65 1287	9.0				
5954	26	20.7230	20.4694	26	9.5775	8.4272			6000	18	13.2122	16.1246	25	24.6319	4.2978	65 1290	9.3				
5955	6	21.9535	20.4514	10	10.8032	8.3656			6001	22	3.7121	17.1787	32§	15.0992	5.0176						
5956				12	11.7103	8.2996			6002	6	4.1841	17.8008	6*	15.5473	5.6543						
5957	22	14.3324	21.4276	18	3.2237	9.6123			6003	6	9.3670	17.4191	16	20.7447	5.4553						
5958	10	14.8752	21.3788	8†	3.7047	9.5455			6004	12	10.5175	17.9721	18	21.8756	6.0543						
5959	12	14.8899	21.1958	6	3.7749	9.3633			6005	14	11.0533	17.5453	27	22.4250	5.6465						
5960	6	16.2390	21.6776	8	5.1386	9.7982			6006	10	5.7100	18.4600	22	17.0519	6.3675						
5961	26	19.3830	21.7764	28§	8.2857	9.7828			6007	10	6.0088	18.3667	20	17.3543	6.2852						
5962	16	20.9847	21.4233	14	9.8742	9.3715			6008	10	7.2131	18.4900	18	18.5551	6.4483						
5963	8	24.5728	21.1039	14	13.4478	8.9222			6009	14	7.8595	18.0321	26	19.2153	6.0169						
5964	12	14.1611	22.5596	12	3.0950	10.7516			6010	16	8.3958	18.7992	32	19.7247	6.8038						
5965	6*	17.3765	22.9505	8	6.3237	11.0222			6011	6	9.8346	18.7979	4*	21.1616	6.8520						
5966	6*	19.0916	22.4907	8	8.0151	10.5083			6012	10	11.9975	18.5068	23§	23.3348	6.6382						
5967	11	20.5184	22.7437	14	9.4536	10.7073			6013	6†	4.5951	19.3010	14	15.9064	7.1692						
5968	15	20.8310	22.9298	20	9.7740	10.8799			6014	6	8.2650	19.7336	16	19.5633	7.7322						
5969	7†	21.2620	22.7946	10	10.1965	10.7334			6015	6	3.8920	20.9338	14	15.1460	8.7780						
5970	28	21.8971	22.4691	30§	10.8223	10.3831			6016	21	4.4522	20.8111	30	15.7122	8.6736						
5971	12	23.0952	22.2436	14	12.0128	10.1149			6017	6	5.5150	20.8775	8†	16.7691	8.7796						
5972	20	23.1494	22.5201	24	12.0780	10.3910			6018	8	7.0851	20.4715	24	18.3601	8.4286						
5973	13	24.2568	22.9344	14	13.1964	10.7633	65 1282	9.0	6019	8	10.3908	20.5416	12	21.6601	8.6163						
5974	40§	24.8192	22.4771	38§	13.7418	10.2850			6020	10	10.9402	19.9035	18	22.2326	7.9974						
5975	34§	19.5373	23.0999	32§	8.4855	11.0999			6021	14	11.0047	20.3094	32	22.2813	8.4027						
5976	12	19.7705	23.8581	18	8.7495	11.8489			6022	20	7.9967	21.2720	28	19.2419	9.2623						
5977	8	24.1284	23.8085	20	13.0974	11.6379			6023	14	9.1467	21.0342	24	20.3975	9.0624						
5978	18	14.1720	24.6439	16	3.1788	12.8331			6024	12	10.1571	21.1507	18	21.4007	9.2153						
5979	12	16.0492	24.8535	14	5.0641	12.9772			6025				10	16.5641	10.2315						
5980	40§	16.3636	24.4206	40§	5.3609	12.5317	65 1274	9.5	6026	16	5.5358	22.8977	26	16.7236	10.7967						
5981	8†	16.8509	24.1295	12	5.8383	12.2228			6027				12	17.0759	10.3660						
5982	22	17.4117	24.4101	26	6.4072	12.4829			6028	10	8.1626	22.3035	20	19.3681	10.2957						
5983	15	16.9631	25.2300	20	5.9926	13.3200			6029	14	10.3956	22.5504	24	21.5926	10.6239						
5984	7	17.4804	25.5487	16	6.5189	13.6181	65 1281	9.5	6030	22	12.3534	22.7780	40§	23.5376	10.9174	65 1289	9.0				
5985				20	13.4520	13.9477			6031				12	19.6408	11.5327						
									6032	10	9.0556	23.2637	18	20.2290	11.2875						
									6033	6*	9.0509	23.0724	6	20.2268	11.0991						
	48§	18.8785	26.6086	121§	1.1953	8.2298	65 1271	5.0	6034	32§	7.1937	24.1508	42§	18.3345	12.1114	65 1285	8.8				
	57§	22.6101	26.9683				66 1108	8.7	6035	21	7.2345	24.3571	34§	18.3684	12.3176						
							66 1113	8.7	6036				10	18.4463	12.3339						
									6037				10	18.0387	13.2674						
									6038	18	11.0308	25.1839	34§	22.1346	13.2756	65 1288	9.5				

1 réseau interval represents very nearly  $\zeta' = 47^{\text{s}}.3$  of R.A. at Dec. +  $65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec. +  $66^{\circ}$ .



## ZONE + 65°.

R.A. 18 <sup>h</sup> 45 <sup>m</sup> to 18 <sup>h</sup> 54 <sup>m</sup>								R.A. 18 <sup>h</sup> 45 <sup>m</sup> to 18 <sup>h</sup> 54 <sup>m</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 1321. 1893, Aug. 2.				R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 443. 1892, June 23.				Centre R.A. 18 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 1321. 1893, Aug. 2.				R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 443. 1892, June 23.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
6039				14	7.6370	2.1861	° m.	6098				8	10.0355	10.6344	° m.
6040	12	19.3086	14.7789	32	7.9676	2.7866		6099	6*	21.2956	22.3321	14	10.2422	10.2566	
6041	10	19.9069	14.5979	23	8.5599	2.5805		6100				16	11.8043	10.3905	
6042	8	20.7187	14.5890	16	9.3689	2.5410		6101				16	12.3056	10.7569	
6043	12	20.8832	14.8815	22	9.5453	2.8293		6102	12	14.0606	23.7255	32	3.0655	11.9260	65 1291 9.5
6044				10	9.8954	2.2531		6103	6*	17.2170	23.4148	14	6.2073	11.4914	
6045	16	22.6505	14.2317	32	11.2886	2.1112		6104				14	8.3959	11.6402	
6046	8	23.1591	14.6751	16	11.8098	2.5351		6105				21	9.4958	11.0916	
6047	12	23.7845	14.0703	25	12.4157	1.9047		6106	16	22.9103	23.6769	38§	11.9067	11.5392	65 1303 9.5
6048	26§	23.8434	15.0435	40§	12.5111	2.8771	65 1304 9.0	6107	14	14.9390	24.8277	34§	3.9858	12.9926	65 1294 9.3
6049	26§	23.8536	14.8897	41§	12.5149	2.7226	64 1301 9.4	6108	34§	14.9408	24.6806	64§	3.9851	12.8445	65 1293 8.5
6050	8	19.5259	15.3641	14	8.2062	3.3614		6109				20	5.4514	12.8059	
6051	34§	21.4699	15.3162	48§	10.1504	3.2400	65 1301 8.4	6110				20	7.9570	12.7508	
6052	10	23.0245	15.9638	26	11.7252	3.8266		6111	16	14.2758	25.5342	40§	3.3488	13.7249	65 1292 9.4
6053	6*	15.8872	16.1834	14	4.6053	4.3170		6112				13	3.3965	13.8620	
6054	4*	16.2010	16.4451	8	4.9268	4.5689		6113				28§	8.6117	13.5145	
6055	8	18.5206	16.4324	28	7.2443	4.4666		6114				18	9.9626	13.6708	
6056	10	18.6508	16.5086	28	7.3764	4.5378		6115				10	10.4873	13.7045	
6057	6	18.8394	16.3574	12	7.5606	4.3797		6116				18	11.5831	13.6211	
6058	6	19.2217	16.7742	12	7.9572	4.7833						44§	1.3234	11.0428	65 1289 9.0
6059	8†	21.1316	16.8199	12	9.8671	4.7537									
6060				8	4.1401	5.1336									
6061	10	16.8274	17.7672	22	5.6057	5.8641									
6062	8	17.9538	17.7904	16	6.7260	5.8477									
6063	20§	18.2618	17.4196	38§	7.0228	5.4617	65 1298 9.5								
6064	14	21.3687	17.0343	26	10.1141	4.9589									
6065	4	21.7057	17.4716	12	10.4651	5.3819									
6066	16§	21.7664	17.8160	30§	10.5415	5.7252									
6067	14	23.1537	17.6194	26	11.9171	5.4750									
6068	7	24.7265	17.0295	22	13.4685	4.8233									
6069				10	13.5159	4.8020									
6070	4	14.7158	18.4830	18	3.5159	6.6602									
6071				10	5.2433	6.4494									
6072	18§	18.9429	18.1341	38§	7.7303	6.1508									
6073	6	18.9536	18.1597	8	7.7418	6.1739									
6074	34§	19.1045	18.4594	46§	7.9046	6.4698	65 1300 8.6								
6075	14§	20.4886	18.6468	26§	9.2949	6.6039									
6076	8	21.0638	18.8341	10	9.8746	6.7699									
6077	8	21.2348	18.1210	16	10.0198	6.0496									
6078	10	21.5181	18.6157	24	10.3219	6.5339									
6079	20§	15.5533	19.4602	36§	4.3948	7.6061	65 1295 9.5								
6080	6	19.3574	19.0199	8	8.1790	7.0221									
6081				12	13.5641	7.5808									
6082	10	16.1466	20.5693	32	5.0311	8.6915									
6083	20§	18.1084	20.1783	40§	6.9770	8.2214	65 1297 9.5								
6084				10	9.0844	8.0811									
6085				14	9.4241	8.7918									
6086	15	23.8546	20.9294	34§	12.7466	8.7558									
6087	17§	25.0970	20.0401	34§	13.9546	7.8206	65 1306 9.3								
6088	10	17.6636	21.7269	28§	6.5903	9.7884	65 1296 9.5								
6089				12	8.3860	9.3715									
6090	8	20.2614	21.2000	20	9.1645	9.1636									
6091	8†	20.4170	21.9519	22§	9.3502	9.9126									
6092				10	9.4777	9.3070									
6093	7†	23.0312	21.4519	16	11.9388	9.3115									
6094	34§	25.0459	21.0109	40§	13.9385	8.7917	65 1305 9.5								
6095				16	3.6116	10.9866									
6096	10	14.9141	22.0684	30§	3.8537	10.2374									
6097	8	18.4792	22.1039	24§	7.4201	10.1351	65 1299 9.5								

1 réseau interval represents very nearly 5' = 47.3 of R.A. at Dec. + 65°, and 49.2 at Dec. + 66°.

## ZONE + 65°.

R.A. 18 <sup>h</sup> 54 <sup>m</sup> to 19 <sup>h</sup> 3 <sup>m</sup> — <i>contd.</i>								R.A. 19 <sup>h</sup> 3 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup>							
Centre		R.A. 19 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°		R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		Plate 1274. 1893, July 7.		Centre		R.A. 19 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°		R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°		Plate 444. 1892, June 23.	
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							

No. 6170. B. D. 65°1307. The declination given in the B. D. is about 2' smaller than that shown on the plate.

1 réseau interval represents very nearly 5' = 47°3 of R.A. at Dec. + 65°, and 49°2 at Dec. + 66°.



## ZONE + 65°.

R.A. 19 <sup>h</sup> 3 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>								R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 19 <sup>h</sup> 3 <sup>m</sup> Dec. + 65° Plate 1274. 1893, July 7.				Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 444. 1892, June 23.				Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 534. 1892, Sept. 3.				Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 444. 1892, June 23.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.								B. D.							
No.				Mag.				No.				Mag.			
6261				16	9.2466	8.7296	°	6310	30§	3.9154	14.1205	28§	15.3283	1.9820	°
6262	8*	21.7721	20.8183	12	10.6492	8.6156		6311	14	4.1951	14.9435	10	15.5806	2.8136	
6263	8*	23.9906	20.9796	10	12.8796	8.6908		6312	27	4.2820	14.5629	20	15.6786	2.4379	
6264				16	12.9242	8.4776		6313	17	6.6390	14.3202	11	18.0437	2.2713	
6265	10	24.3426	20.2598	10	13.2038	7.9524		6314	15	8.3556	14.1792	13	19.7646	2.1844	
6266				12	13.3215	7.9354		6315	22	9.6745	14.2035	21	21.0797	2.2562	
6267				18	13.6629	8.5328		6316	20	10.4649	14.9255	17	21.8442	3.0030	
6268	8	14.3135	21.6006	18	3.2385	9.7083		6317	39§	10.5080	14.8368	39§	21.8947	2.9140	64 1343
6269				8	3.9104	9.1182		6318	17	12.8104	14.0262	22†	24.2200	2.1828	
6270	12	16.7877	21.6999	12	5.7152	9.7029		6319	17	3.1767	15.8303	12†	14.5349	3.6660	
6271	20	22.3287	21.9402	24	11.2609	9.7138		6320	12	3.5228	15.0965	10	14.9012	2.9440	
6272				12	13.7677	9.2971		6321	25	3.9748	15.4761	21	15.3404	3.3385	
6273	8	14.7873	22.6301	16	3.7566	10.7153		6322	79§	5.3693	15.1889	78§	16.7486	3.0972	65 1333
6274	13†	15.4502	22.9026	16	4.4277	10.9612		6323	8†	6.5719	15.1470	12	17.9487	3.0932	
6275				10	4.5043	10.4361		6324	14	6.9618	15.6973	10	18.3189	3.6562	
6276				16	4.7110	10.4379		6325	41§	9.9159	15.9865	45§	21.2635	4.0445	65 1340
6277	18	16.3403	22.7614	22	5.3153	10.7841	65 1320	6326	16	10.2839	15.4528	11	21.6513	3.5212	
6278	28	18.2501	22.9707	35§	7.2304	10.9131	9.5	6327	12	12.2992	15.2845				
6279	10	18.7042	22.1858	14	7.6551	10.1053		6328	12	13.4302	15.0952				
6280				10	8.8074	10.3053		6329	36§	2.7613	16.4834	37§	14.0955	4.3073	65 1330
6281	18	20.5805	22.0906	18	9.5188	9.9389		6330	24	3.2544	16.7691	20	14.5806	4.6069	
6282				8	12.4298	10.0745		6331	12	6.4514	16.5662	11	17.7813	4.5086	
6283				12	3.9788	11.9348		6332	10†	9.9050	16.5670	10	21.2319	4.6240	
6284				10	5.9453	11.1144		6333	21	11.4744	16.3638	22	22.8086	4.4741	
6285				10	7.2309	11.4224		6334	12	13.9630	16.7309	12	25.2870	4.9216	
6286				10	7.7896	11.7825		6335	21	3.7337	17.6628	16	15.0287	5.5162	
6287	26	18.9000	23.3494	30§	7.8948	11.2631		6336	10	5.3927	17.3118	8	16.6994	5.2250	
6288				8†	8.2015	11.7248		6337	18	7.4540	17.5916	18	18.7515	5.5668	65 1336
6289	18	19.5604	23.8070	20	8.5751	11.6925		6338	8	7.6094	17.8264	6	18.9883	5.8063	9.5
6290	20	21.0328	23.8596	24	10.0426	11.6839		6339	24	9.2735	17.5728	21	20.5712	5.6077	
6291	132§	21.7861	23.9077	118§	10.7959	11.7013	65 1326	6340	9	10.4498	17.3877	9	21.7529	5.4641	
6292				18	3.2416	12.7636		6341	10	10.4348	17.7662	4	21.7223	5.8435	
6293				10	5.6808	12.6468		6342	30§	11.6737	17.7121	32§	22.9640	5.8293	65 1341
6294				16	5.8660	12.2342		6343	27§	13.0176	17.4674	31	24.3151	5.6278	9.5
6295	10	17.5934	24.0074	16	6.6153	11.9761		6344	10*	4.3028	18.0065	6	15.5877	5.8762	
6296				8	7.0879	12.6534		6345	22	4.6213	18.4646	20	15.8887	6.3461	
6297				8†	12.2721	12.0108		6346	13	4.8117	18.1745	6	16.0900	6.0630	
6298	18	15.1006	25.2854	22	4.1817	13.3533		6347	40§	5.6051	18.6207	40§	16.8668	6.5360	65 1334
6299				8	4.5663	13.8086		6348	20	5.6251	18.9353	18	16.8791	6.8505	
6300				8	6.3886	13.1452		6349	14†	5.8907	18.3284	9	17.1635	6.2516	
6301	8*	17.6411	25.5988	8	6.7341	13.5590		6350	40§	7.9934	18.4538	40§	19.2603	6.4485	65 1337
6302				10	8.5857	13.7508		6351	12	9.5009	18.4776	12	20.7658	6.5191	
6303	16	19.4654	25.1444	22	8.5337	13.0362		6352	16	9.8028	18.8131	13	21.0574	6.8661	
6304	54§	22.1082	25.4006	46§	11.1809	13.1838	65 1327	6353	8†	11.3052	18.8885	8	22.5590	6.9885	
6305				6	11.2103	13.6437	8.9	6354	16	11.8225	18.9632	19	23.0699	7.0828	
6306	10*	22.6151	25.6103	18	11.6943	13.3703		6355	8	11.8781	18.3781	11	23.1494	6.5012	
								6356	40§	12.1618	18.3554	43§	23.4287	6.4853	65 1343
				50§	2.5480	2.3167	64 1320	6357	14	12.4233	18.2355	17	23.6943	6.3752	
				54§	1.6536	6.7469	65 1318	6358	11	12.7116	18.8194	15	23.9650	6.9700	
	48§	25.3856	16.6517				65 1330	6359	18	13.6494	18.7299	24	24.9057	6.9104	
R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup>								6360	14	3.3569	19.5280	12	14.5891	7.3654	
Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 534. 1892, Sept. 3.				Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 444. 1892, June 23.				6361	8	6.3740	19.2354	4	17.6177	7.1754	
6307	30§	4.4355	13.9837	25	15.8525	1.8646	°	6362	20	6.6639	19.6109	16	17.8927	7.5592	
6308	30§	3.1889	14.5118	25§	14.5907	2.3484		6363	10	7.4586	19.8028	6	18.6808	7.7786	
6309	15	3.7680	14.2117	11	15.1778	2.0712		6364	13	8.9013	19.8684	12	20.1224	7.8897	
								6365	19	9.2641	19.0935	19	20.5093	7.1270	
								6366	10	10.2333	19.2110	12	21.4749	7.2772	
								6367	12	10.9502	19.8412	11	22.1697	7.9311	
								6368	8	10.9681	19.9683	6†	22.1843	8.0593	

No. 6316 is not given in the B.D., but is given as No. 10401 in the *Helsingfors (A. G.) Catalogue*. Mag. 9.5.

1 réseau interval represents very nearly 5' = 47°.3 of R.A. at Dec. + 65°, and 49°.2 at Dec. + 66°.

ZONE + 65°.

R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 21 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 21 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 534. 1892, Sept. 3.				Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 444. 1892, June 23.				Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 534. 1892, Sept. 3.				Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 1236. 1893, June 24.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
6369	16	12.2580	19.2328	17	23.4975	7.3640	°	6414	10	18.9724	14.0153	8†	7.5505	2.0099	°	
6370	42§	4.0438	20.3275	36§	15.2522	8.1879	65 1331	9.5	6415	8	19.2586	14.3370	6	7.8434	2.3208	°
6371	24	4.5212	20.9877	10	15.7080	8.8623			6416	36§	21.7639	14.8724	36§	10.3688	2.7611	°
6372	18	5.3619	20.7583	13	16.5519	8.6625			6417	12	14.0648	15.6249	14	2.7067	3.8024	°
6373	14	6.3224	20.8691	10	17.5088	8.8051			6418	18	14.6589	15.2897	14	3.2875	3.4416	°
6374	10	7.4352	20.0814	8*	18.6513	8.0556			6419	16	14.7656	15.9351	21	3.4206	4.0851	°
6375	8	8.4728	20.5506	4	19.6708	8.5589			6420	30	17.3611	15.9943	41§	6.0139	4.0473	65 1355
6376	14	8.7946	20.2066	12	20.0040	8.2262			6421	40§	19.3090	15.4340	50§	7.9354	3.4158	65 1360
6377	14	10.5921	20.7140	17	21.7824	8.7939			6422	7	22.2587	15.7601	8	10.8947	3.6283	°
6378	12	11.5366	20.9587	13	22.7179	9.0665			6423	48§	22.5239	15.0854	48§	11.1360	2.9412	64 1353
6379	20	12.6667	20.5075	17	23.8631	8.6527			6424	8†	25.2552	15.0261	8	13.8626	2.7832	°
6380	131§	12.9462	20.2275	143§	24.1542	8.3802	65 1345	5.3	6425	6†	18.5076	16.8294	7	7.1887	4.8387	°
6381	16	13.9736	20.9238	19	25.1537	9.1125			6426	6	19.5648	16.8988	6	8.2450	4.8688	°
6382	8	8.7445	21.4714	6	19.9125	9.4874			6427	7	19.7013	16.6867	8	8.3757	4.6499	°
6383	8	8.9626	21.5613	7	20.1303	9.5867			6428	30§	20.6262	16.5498	34§	9.2963	4.4775	°
6384	10	10.1951	21.1610	10	21.3698	9.2272			6429	40§	22.0242	16.9870	38§	10.7073	4.8615	65 1363
6385	38§	13.6843	21.5715	35§	24.8440	9.7500	65 1349	9.5	6430	6†	22.0844	16.9872	8†	10.7697	4.8575	°
6386	8	13.7995	21.9989	6	24.9451	10.1803			6431	18	23.4830	16.4754	11	12.1475	4.3012	°
6387	22	4.7776	22.1700	24	15.9236	10.0535			6432	10	15.9214	17.2095	8	4.6193	5.3141	°
6388	13	6.6068	22.0510	9	17.7552	9.9990			6433	6†	16.7603	17.2790	4†	5.4593	5.3496	°
6389	12	8.4319	22.3283	11	19.5714	10.3339			6434				19	5.6877	5.8225	°
6390	19	10.9756	22.0325	19	22.1209	10.1235			6435	6	19.9478	17.1784	8	8.6429	5.1323	°
6391	14	12.0395	22.9115	9*	23.1578	11.0369			6436	8†	20.4807	17.8217	7	9.1595	5.9658	°
6392	20	12.0591	22.3941	22	23.1936	10.2518			6437	7	20.4815	17.8230	14	9.1961	5.7545	°
6393	22§	12.5557	22.2230	27§	23.6949	10.3664			6438	8	22.5109	17.3943	8	11.2103	5.2513	°
6394	10	12.9043	22.6885	8†	24.0245	10.8416			6439	30	22.8440	17.7973	34§	11.5589	5.6422	°
6395	44§	13.2235	22.0397	45§	24.3655	10.2047	65 1347	9.0	6440	9†	24.3451	17.5399	14	13.0476	5.3301	°
6396	36§	13.5460	22.3165	38§	24.6803	10.4928	65 1348	9.2	6441	14	24.8043	17.7174	18	13.5164	5.4900	°
6397	17	6.7642	23.3215	8	17.8711	11.2696			6442	12	16.8560	18.3371	16	5.5969	6.4046	°
6398	10	10.0798	23.7397	8	21.1689	11.7967			6443	30	16.9413	18.4494	30	5.6847	6.5159	°
6399	14	10.7061	23.7419	12	21.7956	11.8229			6444	52§	17.1433	18.8376	52§	5.9007	6.8949	65 1353
6400	15	12.1746	23.9004	8†	23.2573	12.0315			6445	8	17.2274	18.2834	16	5.9645	6.3373	°
6401	12	13.3943	23.4038	17	24.4929	11.5720			6446	10	18.4454	18.4713	18	7.1904	6.4784	°
6402	12	13.5649	23.0240	11	24.6758	11.1994			6447	10	18.4573	18.3994	14	7.1958	6.4064	°
6403	16	13.8537	23.0707	17	24.9629	11.2544			6448				16	13.9024	6.6904	°
6404	41§	4.7469	24.5091	38§	15.8138	12.3917	65 1332	8.8	6449	22	15.4832	19.9586	29	4.2850	8.0776	°
6405	6	11.4441	24.1394	4*	22.5161	12.2438			6450	8	15.5651	19.7710	16	4.3583	7.8871	°
6406	13	12.6703	24.1215	14	23.7460	12.2645			6451	38§	17.1826	19.4418	48§	5.9648	7.4982	65 1354
6407	12	12.7420	24.3234	10†	23.8068	12.4715			6452	18	17.5147	19.9300	13	6.3151	7.9745	°
6408	10†	5.8056	25.9399	11	16.8250	13.8573			6453	8	19.1259	19.7672	14	7.9159	7.7493	°
6409	20§	6.5175	25.6506	26§	17.5474	13.5908			6454	16	19.1887	19.3129	8	7.9649	7.2961	°
6410	65§	6.7070	25.2916	75§	17.7482	13.2373	65 1335	8.0	6455				18	8.7740	7.9047	°
6411	38§	8.4155	25.1471	36§	19.4598	13.1507	65 1338	9.0	6456				10	10.8970	6.9719	°
6412	9	9.3199	25.5007	5	20.3513	13.5316			6457	36§	23.9502	19.5589	36§	12.7295	7.3619	°
6413	42§	13.0183	25.1015	42§	24.0617	13.2571	65 1346	8.9	6458	30	16.0215	20.3143	28	4.8347	8.4129	65 1352
									6459	20	18.1167	20.5523	12	6.9363	8.5728	°
									6460	20	18.4098	20.8480	12	7.2433	8.8554	°
									6461	28	22.0431	20.9000	24	10.8733	8.7739	°
									6462	14	22.7264	20.0965	20	11.5315	7.9414	°
									6463	25	22.8112	20.5802	28	11.6306	8.4244	°
									6464				8	11.8283	8.0831	°
									6465				14	12.8554	8.2458	°
									6466	26§	14.7397	21.4253	28§	3.5964	9.5714	°
									6467	14	15.4735	21.4351	18	4.3291	9.5517	°
									6468	16	15.4800	21.6413	22	4.3460	9.7605	°
									6469	44§	15.7141	21.1454	50§	4.5621	9.2596	65 1351
									6470	20	18.2495	21.4992	20	7.1098	9.5156	°
									6471	18	18.5446	21.5057	16	7.4016	9.5123	°
									6472	28§	18.8442	21.6501	36§	7.7066	9.6436	°

No. 6416 is not given in the B. D., but is given as No. 10521 in the *Helsingfors (A. G.) Catalogue*. Mag. 9'4.

1 réseau interval represents very nearly  $5' = 47^{\text{s}}.3$  of R.A. at Dec.  $+ 65^{\circ}$ , and  $49^{\text{s}}.2$  at Dec.  $+ 66^{\circ}$ .



## ZONE + 65°.

R.A. 19 <sup>h</sup> 21 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							B. D.		R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 39 <sup>m</sup> — <i>contd.</i>							B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
Centre R.A. 19 <sup>h</sup> 21 <sup>m</sup> Dec. + 65° Plate 534. 1892, Sept. 3.									Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 1236. 1893, June 24.								
6473	38§	21°6750	21°0409	46§	10°5141	8°9272	65°1362	m.	6518				9	16°9890	3°9620		m.
6474	13	22°6067	21°0380	20	11°4425	8°8905			6519				6	18°3469	3°3990		
6475	26	23°6404	21°3572	30	12°4872	9°1714			6520	39§	7°1201	15°0034	42§	18°5127	2°7631	64 1358	8.9
6476	9	24°7255	21°5736	22	13°5795	9°3449			6521	6	8°8547	15°7930	20	20°2172	3°6152		
6477	18	15°9240	22°2295	16	4°8101	10°3320			6522	12†	10°7039	15°6575	20	22°0714	3°5464		
6478	10	16°1177	22°2707	20	5°0056	10°3644			6523	48§	13°7558	15°7341	73§	25°1198	3°7339	65 1384	7.6
6479	10	16°5210	22°8921	12	5°4343	10°9714			6524				14	14°3319	4°5331		
6480	12	16°9729	22°8421	20	5°8819	10°9063			6525				8	14°7017	4°5169		
6481	10	17°7873	22°0484	14	6°6672	10°0810			6526	29	3°9604	16°5803	31§	15°2966	4°2243		
6482	16	19°1087	22°9807	14	8°0209	10°9637			6527				10	15°6349	4°1519		
6483				12	10°1044	10°3300			6528	21	5°7021	16°8744	26	17°0264	4°5833		
6484				20	13°4137	10°8385			6529	17	6°4374	16°3679	22	17°7814	4°1035		
6485	38§	14°3255	23°7243	44§	3°2728	11°8854	65 1350	9.4	6530	13	7°5829	16°2654	18	18°9296	4°0416		
6486	14	14°4466	23°2502	12	3°3727	11°4072			6531	5†	7°6030	16°6636	15	18°9366	4°4412		
6487	34§	17°5569	23°5735	30§	6°4930	11°6160			6532	27§	8°0154	16°4237	39§	19°3567	4°2185		
6488	60§	21°2842	23°7595	58§	10°2247	11°6595	65 1361	8.7	6533	56§	13°3073	16°1447	75§	24°6567	4°1288	65 1381	7.5
6489	36	21°6443	23°5514	32§	10°5760	11°4405			6534	11	13°6849	16°2710	25	25°0264	4°2697		
6490	17	21°7643	23°5794	8	10°6934	11°4622			6535				14	14°1673	5°2532		
6491	22	22°5259	23°3329	18	11°4486	11°1892			6536				6	14°8213	5°1893		
6492	13	23°0567	23°9764	16	12°0020	11°8071			6537				12	15°6239	5°7060		
6493	17	24°7556	23°9512	18	13°6976	11°7212			6538				7	17°6021	5°7259		
6494	8	15°1793	24°9122	12	4°1659	13°0407			6539	80§	6°9530	17°9500	67§	18°2364	5°7038	65 1369	7.5
6495	28	15°6661	24°6611	28	4°6456	12°7724			6540	39§	7°0619	17°8946	34§	18°3497	5°6521	65 1370	9.4
6496	20	15°7079	24°9017	20	4°6940	13°0107			6541				6	18°4246	5°8803		
6497	32§	16°5734	24°0226	36§	5°5256	12°0987			6542				17	21°6859	5°5991		
6498	32§	17°8571	24°8137	32§	6°8374	12°8420	65 1357	9.5	6543				17	22°1159	5°5422		
6499	50§	18°4354	24°0004	44§	7°3861	12°0091	65 1359	9.5	6544	19	11°3339	17°7936	22	22°6250	5°7027		
6500				6	9°1670	12°1934			6545				6	22°7745	5°5739		
6501	36§	22°6381	24°8325	34§	11°6151	12°6816			6546	10	12°4213	17°1377	21	23°7332	5°0888		
6502				16	12°3894	12°8535			6547	20	13°4785	17°0239	32	24°7950	5°0119		
6503				16	13°8264	12°1284			6548				8	14°4038	6°1171		
6504	28	15°4008	25°0936	30§	4°3966	13°2115			6549				8	14°5271	6°8946		
6505	14	16°4300	25°3002	18	5°4312	13°3826			6550				8	15°7370	6°5991		
6506	26	17°6930	25°3316	24	6°6934	13°3689	65 1356	9.5	6551	17	4°8349	18°9620	19	16°0858	6°6386		
6507	8	17°7271	25°0938	8	6°7249	13°1294			6552	30§	6°3084	18°3002	34§	17°5840	6°0305	65 1368	9.3
6508	37§	21°8372	25°4211	34§	10°8372	13°2994			6553	40§	7°6328	18°7454	42§	18°8911	6°5254	65 1371	8.9
6509	4*	22°4929	25°4385	5	11°4953	13°2946			6554	12	7°9894	18°2206	19	19°2650	6°0140		
									6555				12	19°9078	5°9881		
				83§	0°5428	1°5122	64 1345	8.5	6556	34§	10°8002	18°6687	35§	22°0592	6°5595	65 1375	9.4
				55§	2°1596	1°9080	64 1347	9.0	6557	42§	11°4727	18°8829	48§	22°7249	6°7993	65 1377	8.7
				184§	1°7586	8°4404	65 1345	5.3	6558				10	14°9166	7°3233		
				62§	2°1030	10°2476	65 1347	9.0	6559	12	3°6849	19°0165	16	14°9351	6°6534		
				62§	2°0150	13°3129	65 1346	8.9	6560				10	15°3021	7°5808		
	78§	26°5153	22°9667				65 1365	8.0	6561	15	5°0000	19°4186	17	16°2357	7°1020		
	70§	25°5882	26°7276				65 1364	8.3	6562				6	17°2759	7°5290		
									6563				8	17°6069	7°6570		
									6564	10	6°4827	19°6453	16	17°7071	7°3813		
									6565	12	7°0342	19°5449	18	18°2636	7°3016		
									6566				12	23°4242	7°2434		
									6567	10	13°5007	19°7470	13	24°7152	7°7356		
									6568	19	13°5303	19°8146	30	24°7452	7°8044	65 1382	9.5
									6569	28	4°4466	20°8346	34§	15°6277	8°4966	65 1366	9.5
									6570	39§	8°5762	20°2463	45§	19°7798	8°0576	65 1372	9.3
									6571	26§	12°1596	20°6863	35§	23°3443	8°6277	65 1380	9.4
									6572	36§	13°6583	20°0753	49§	24°8656	8°0691	65 1383	9.3
									6573				8	14°0571	9°1802		
									6574				10	14°7336	9°7523		
									6575	7	6°5474	21°5830	13	17°7043	9°3198		
									6576	9	6°7623	21°1297	10	17°9343	8°8756		
R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 39 <sup>m</sup>																	
Centre R.A. 19 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 426. 1892, June 13.									Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 1236. 1893, June 24.								
6510	24	4°1042	14°6646	32§	15°5092	2°3177		m.									
6511	13	5°6396	14°9954	24	17°0307	2°7033											
6512	13	5°8165	14°2477	21	17°2363	1°9639											
6513	8†	9°2914	14°3582	20	20°7043	2°1954											
6514	16	9°4006	14°4797	30	20°8102	2°3254	64 1363	9.3									
6515	19	9°5043	14°2435	37	20°9231	2°0900											
6516	17	3°0159	15°7813	21	14°3839	3°3952											
6517				6	14°6881	3°4325											

## ZONE + 65°.

R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 39 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 39 <sup>m</sup> to 19 <sup>h</sup> 48 <sup>m</sup> —contd.									
Centre R.A. 19 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 426. 1892, June 13.				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 1236. 1893, June 24.				Centre R.A. 19 <sup>h</sup> 39 <sup>m</sup> Dec. + 65° Plate 426. 1892, June 13.				R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2290. 1894, Oct. 16.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
6577				11	19°21'73	9°24'49	°	m.	6625	16	21°73'04	16°78'56	18	10°38'16	4°45'07	°	m.
6578	9	9°29'91	21°69'29	19	20°44'88	9°52'97			6626	47§	23°33'57	16°04'51	44§	11°96'04	3°65'86	65 1400	8.2
6579	34§	9°34'50	21°36'22	38§	20°50'54	9°20'15	65 1374	9.4	6627	43§	24°53'08	16°68'61	38§	13°17'55	4°25'99	65 1404	8.5
6580				11	20°93'70	9°26'16			6628	21	15°85'65	17°41'33	20	4°52'92	5°28'05		
6581	6*	11°06'69	21°46'37	8	22°22'59	9°36'35			6629				5	6°56'83	5°29'53		
6582	8	13°14'68	21°89'20	9	24°28'75	9°86'49			6630				8	9°67'22	5°56'03		
6583	12	3°55'94	22°98'80	21§	14°66'51	10°61'75			6631	10	23°74'81	17°65'23	12	12°42'57	5°24'95		
6584	8†	6°40'16	22°61'34	15	17°52'11	10°34'28			6632	52§	14°69'85	18°25'13	34	3°39'92	6°15'63	65 1386	9.1
6585	21	7°54'64	22°84'14	25	18°65'49	10°61'26			6633	48§	15°63'44	18°43'44	37§	4°34'47	6°30'97	65 1389	8.3
6586	25§	8°16'83	22°11'16	29§	19°30'45	9°90'47			6634	9	16°19'59	18°16'49	13	4°89'41	6°01'82		
6587	7	8°36'42	22°38'05	14	19°48'63	10°18'23			6635	7	16°43'76	18°80'68	4†	5°15'95	6°65'50		
6588	12	10°01'20	22°96'40	20	21°11'56	10°82'51			6636	10	18°00'21	18°72'43	16	6°71'80	6°51'70		
6589	9	10°06'75	22°32'91	14	21°19'43	10°19'29			6637	10	18°24'10	18°43'26	14	6°95'00	6°21'64	65 1393	9.5
6590	15	10°93'47	22°52'18	25	22°05'65	10°41'46	65 1376	9.5	6638	4*	24°72'50	18°41'99	8	13°42'73	5°98'67		
6591	8	10°93'95	22°66'66	12	22°05'33	10°55'94			6639				4†	5°26'30	7°15'99		
6592				9	22°10'11	10°16'30			6640	6	18°18'02	19°13'15	12	6°91'07	6°91'92		
6593	8†	13°04'18	22°22'66	16	24°17'20	10°19'66			6641	10	20°04'03	19°63'52	13	8°78'52	7°35'96		
6594				15	24°64'48	10°22'66			6642	6	23°29'13	19°32'44	8	12°02'70	6°93'72		
6595	56§	4°31'34	23°01'33	60§	15°42'09	10°66'87	65 1365	8.0	6643				8	13°01'55	6°88'77		
6596				13	15°69'47	11°58'28			6644	19	17°01'01	20°66'92	22	5°79'46	8°49'32		
6597				18	16°15'77	11°21'76			6645	4*	19°48'06	20°92'43	8	8°27'29	8°66'34		
6598	43§	5°83'98	23°87'26	51§	16°91'51	11°58'09	65 1367	8.2	6646	19	20°19'88	20°65'13	20	8°98'12	8°36'97		
6599				13	19°36'12	11°43'37			6647				8	9°90'06	8°71'58		
6600	35§	9°14'47	23°16'71	42§	20°24'35	10°99'84	65 1373	9.4	6648				4	10°16'52	8°09'44		
6601				8	21°16'45	11°58'06			6649				8	12°50'37	8°55'94		
6602				7	21°82'45	11°52'08			6650	32	24°04'53	20°97'82	30§	12°83'54	8°56'06	65 1403	9.1
6603				6	23°58'51	11°50'69			6651				6	13°12'40	8°92'47		
6604				6†	23°68'90	11°09'92			6652				6	13°66'89	8°79'69		
6605				6	24°21'17	11°25'98			6653				6†	4°12'08	9°31'93		
6606	17	13°39'32	23°43'04	25	24°47'64	11°41'19			6654	8	16°27'90	21°88'78	11	5°10'58	9°73'76		
6607	33	4°90'72	24°45'06	40§	15°95'70	12°12'77			6655				8	7°08'43	9°21'54		
6608	15	9°31'52	24°18'20	24	20°37'46	12°01'45			6656				4	7°45'53	9°73'02		
6609	8†	10°90'63	24°80'98	12	21°94'43	12°70'04			6657	6*	20°90'51	21°82'08	4	9°72'59	9°51'76		
6610				9	14°72'36	13°43'81			6658	4	20°93'58	21°85'05	8	9°75'86	9°54'15		
6611	18	5°35'25	25°39'07	29§	16°37'34	13°08'12			6659	35§	21°38'03	21°52'77	31	10°19'25	9°20'10		
6612				14	16°83'13	13°66'13			6660	10	21°67'26	21°54'08	12	10°48'48	9°20'43		
6613				8	17°44'18	13°07'00			6661	6	22°59'29	21°51'97	8	11°40'47	9°15'59		
6614				4	18°41'18	13°49'02			6662				6	13°98'43	9°25'99		
6615				6	18°53'01	13°87'19			6663	12	15°92'93	22°42'95	10	4°77'35	10°29'04		
6616	19	11°87'76	25°57'00	27	22°88'63	13°49'64	65 1379	9.5	6664	23	16°12'68	22°07'54	29	4°96'10	9°93'07	65 1390	9.5
6617	6*	12°98'19	25°31'14	7	23°99'82	13°27'75			6665				6	5°18'74	10°54'25		
6618				16	24°86'68	13°72'93			6666	10	16°54'12	22°72'71	6	5°39'49	10°56'89		
				40	20°53'55	1°62'42	64 1360	9.0	6667	14	19°82'29	22°08'69	16	8°65'45	9°81'47		
				65§	26°90'29	6°50'21	65 1389	8.3	6668	6	21°02'18	22°38'37	8	9°86'48	10°07'11		
	56§	3°66'89	26°83'61				65 1364	8.3	6669	16	22°81'35	22°71'99	15	11°66'43	10°34'43		
									6670	16	23°19'56	22°52'27	15	12°04'08	10°13'68		
									6671	16	23°61'05	22°44'54	15	12°45'40	10°04'76		
									6672	29	24°28'88	22°16'52	26§	13°12'14	9°74'01	65 1405	9.5
									6673	15	24°58'60	22°95'75	14	13°44'47	10°52'19		
									6674	16	14°23'75	23°61'39	17	3°12'53	11°53'16		
									6675	17	15°54'17	23°96'79	20	4°44'37	11°84'06	65 1387	9.4
									6676	6	16°07'82	23°77'73	8	4°96'94	11°63'46		
									6677	19	16°86'83	23°14'84	24	5°73'64	10°97'97	65 1392	9.5
									6678	14	21°87'49	23°58'58	16	10°75'56	11°24'10		
									6679				8	12°57'28	11°22'13		
									6680	27	24°43'54	23°80'97	19	13°32'38	11°37'99		
									6681	26	14°25'13	24°49'20	26§	3°16'86	12°41'01	65 1385	9.5
									6682	23§	18°90'21	24°18'99	24§	7°80'57	11°94'60		
									6683	34§	19°38'90	24°82'07	35§	8°31'40	12°56'09	65 1395	9.0



## ZONE + 65°.

R.A. 19 <sup>h</sup> 39 <sup>m</sup> to 19 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 57 <sup>m</sup> —contd.									
Centre		R.A. 19 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			Centre		R.A. 19 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				
Plate 426. 1892, June 13.					Plate 2290. 1894, Oct. 16.			Plate 2270. 1894, Oct. 12.					Plate 2290. 1894, Oct. 16.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
6684	388	19.5779	24.5502	368	8.4946	12.2879	65° 1396	8.7	6729	448	11.0456	20.6656	488	22.3001	8.8098	65° 1416	9.0
6685	12	20.5311	24.0750	12	9.4307	11.7797			6730	24	11.4123	20.3364	26	22.6753	8.4942	65 1417	9.5
6686	38	23.2142	24.8202	338	12.1349	12.4313	65 1401	9.5	6731	14	12.4448	20.8008	12	23.6912	8.9984		
6687				6	12.9706	12.5128			6732	32	4.1386	21.3832	26	15.3685	9.2833	65 1407	9.5
6688	11	14.8727	25.4465	16	3.8203	13.3409			6733	6	5.5425	21.9225	8	16.7554	9.8719		
6689	6†	15.2933	25.3334	8†	4.2351	13.2173			6734	20	6.1612	21.9742	18	17.3664	9.9472		
6690	21	15.3831	25.1723	25	4.3226	13.0500			6735	6	8.2933	21.1137	6	19.5280	9.1649		
6691				8	5.3136	13.0747			6736	588	3.3546	22.3804	488	14.5493	10.2502		
6692	12†	16.5307	25.6792	12	5.4848	13.5206			6737	488	3.4654	22.2213	388	14.6653	10.0989	65 1406	8.5
6693	13	17.5341	25.5659	14	6.4848	13.3734			6738	7†	5.3317	22.9215	10	16.5068	10.8618		
6694				6†	7.2942	13.3515			6739	7†	5.4260	22.8707	6	16.6042	10.8176		
6695	25	18.4649	25.6534	23	7.4167	13.4284	65 1394	9.5	6740	28	5.9796	22.0702	288	17.1840	10.0359	65 1410	9.5
6696	19	18.5915	25.9652	19	7.5573	13.7317			6741	14	10.3309	22.5255	20	21.5163	10.6408		
6697	6*	19.6982	25.0548	8	8.6298	12.7907			6742	21	6.4961	23.3884	24	17.6551	11.3709		
6698	408	20.8270	25.4426	408	9.7741	13.1357	65 1397	9.0	6743	7*	7.9319	23.6065	8	19.0845	11.6373		
6699	368	21.0295	25.5420	308	9.9783	13.2307	65 1398	9.3	6744	28	7.9628	23.4595	28	19.1150	11.4914	65 1412	9.0
6700				8	11.4558	13.5141			6745	20	11.1587	23.6707	22	22.3050	11.8177	65 1415	9.5
6701	5	22.6090	25.1273	10	11.5415	12.7545			6746	6†	11.6335	23.7689	7	22.7756	11.9327		
6702				21	12.4222	13.6973			6747				6	15.6786	12.8888		
				488	6.4246	1.3272	64 1379	9.0	6748	16	4.5989	24.5352	18	15.7155	12.4493		
				578	2.3703	3.6717	65 1384	7.6	6749	10	8.3085	24.5741	16	19.4250	12.6198		
				788	1.9343	4.0963	65 1381	7.5	6750	9†	10.8587	24.3964	9†	21.9813	12.5299		
	518	25.8210	22.5747				65 1406	8.5	6751	11	8.9256	25.8548					
	688	25.7002	22.7200														
	26	15.5164	27.1877				64 1388	9.2		398	1.7720	16.4366				65 1404	8.5
	51	22.2732	27.0335				65 1399	9.0		478	11.9834	26.2916				65 1418	8.4
R.A. 19 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 57 <sup>m</sup>								R.A. 19 <sup>h</sup> 57 <sup>m</sup> to 20 <sup>h</sup> 6 <sup>m</sup>									
Centre		R.A. 19 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			Centre		R.A. 19 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				
Plate 2270. 1894, Oct. 12.					Plate 2290. 1894, Oct. 16.			Plate 2270. 1894, Oct. 12.					Plate 2338. 1894, Nov. 8.				
No.	Diam.	x.	y.	Diam.	x.	y.	°	m.	No.	Diam.	x.	y.	Diam.	x.	y.	°	m.
6703	10	2.5962	14.3169	10	14.0745	2.1714			6752	12	15.5554	14.8867					
6704	20	4.8511	14.5373	22	16.3224	2.4697			6753	24	20.1527	14.9274	25	8.8816	2.8804		
6705	6	7.5624	14.4727	9†	19.0147	2.5394			6754	8	21.6132	14.5229	6*	10.3238	2.4252		
6706	15	7.0284	15.4519	14	18.4705	3.4606			6755	17	24.9249	14.1387	16	13.6221	1.9173		
6707	12	7.6543	15.8795	9	19.0763	3.9093			6756	6	14.0822	15.9484					
6708	16	11.9355	15.4193						6757	6	20.0412	15.7502					
6709	10	13.0813	15.7910						6758	11	20.1963	15.2426					
6710	11	4.1809	16.6860	16	15.5752	4.5909			6759	14	21.6798	15.6127	14	10.4327	3.5109		
6711	16	7.0775	16.3912	20	18.4818	4.3986			6760	13	23.5353	15.4608					
6712	308	9.1567	16.7193	32	20.5484	4.8002	65 1413	9.5	6761	13	14.2728	16.7992					
6713	14	10.8246	16.6684	21	22.2165	4.8052			6762	16	17.1649	16.6736	20	5.9603	4.7332		
6714	548	5.6511	17.4483	528	17.0192	5.4005	65 1409	7.2	6763	10	17.3725	16.3538					
6715	22	7.5668	17.2920	26	18.9428	5.3199	65 1411	9.1	6764	17	15.7461	17.9594	17	4.5862	6.0687		
6716	22	7.6557	17.3500	24	19.0277	5.3791			6765	10	18.4518	17.1992	5	7.2617	5.2120		
6717	14	8.1486	17.4912	8	19.5137	5.5394			6766	9	19.0660	17.7706	15	7.8970	5.7615		
6718	18	8.9017	17.0025	23	20.2839	5.0761			6767	17	20.6068	17.2413	14	9.4173	5.1759		
6719	10	10.2471	17.3384	12†	21.6163	5.4597			6768				14	3.5079	6.5720		
6720	308	10.0614	18.5104	348	21.3880	6.6210	65 1414	9.1	6769				4	7.0598	6.7481		
6721	26	2.9144	19.0055	26	14.2252	6.8683			6770	348	21.2927	18.8633	388	10.1634	6.7720	65 1426	8.5
6722	16	9.5506	19.8321	16	20.8324	7.9282			6771	8	22.0583	18.1204	10	10.9021	6.0007		
6723	12	13.5539	19.8072						6772	14	22.1460	18.5304	15	11.0030	6.4103		
6724	24	4.1993	20.9025	24	15.4452	8.8068	65 1408	9.5	6773	19	22.4491	18.3936	21	11.3022	6.2632	65 1429	9.5
6725	10	4.3932	20.5101	16	15.6548	8.4207			6774	10	23.1999	18.3041	9†	12.0479	6.1463		
6726	22	5.6350	20.0272	20	16.9105	7.9799			6775	13	23.9169	18.1033	16	12.7578	5.9165		
6727	20	10.0468	20.3233	22	21.3134	8.4310			6776	22	24.1178	18.1415	288	12.9596	5.9460		
6728	10	10.0944	20.4667	15	21.3526	8.5780			6777	438	24.2530	18.9879	488	13.1217	6.7876	65 1432	8.3
									6778				11	5.8925	7.4401		

No. 6736, which is also measured on Plate 426 at 25.7, 22.7, is not given in the B.D.  
It is No. 3093 in the *Christiania (A. G.) Catalogue*. Mag. 8.4.

No. 6740. On Plate 2290 the 3<sup>m</sup> image is on the réseau line, and has not been measured.

1 réseau interval represents very nearly 5' = 47.3 of R.A. at Dec. + 65°, and 49.2 at Dec. + 66°.

## ZONE + 65°.

No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	
							No.	Mag.								No.	Mag.
R.A. 19 <sup>h</sup> 57 <sup>m</sup> to 20 <sup>h</sup> 6 <sup>m</sup> —contd.									R.A. 20 <sup>h</sup> 6 <sup>m</sup> to 20 <sup>h</sup> 15 <sup>m</sup> —contd.								
Centre		R.A. 19 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			Centre		R.A. 20 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				
		Plate 2270. 1894, Oct. 12.			Plate 2338. 1894, Nov. 8.					Plate 2769. 1895, July 26.			Plate 2338. 1894, Nov. 8.				
6779	13	17°59'19	19°34'83	16	6°48'23	7°39'03			6830	10*	11°69'98	18°84'23	17	23°06'53	6°9'170		
6780				7	8°84'74	7°05'09			6831	18	5°37'58	19°47'25	22	16°72'21	7°32'13	65 1435	9.4
6781	14	20°22'52	19°72'21	16	9°12'52	7°66'94	65 1424	9.5	6832	6*	7°26'75	19°79'47	8	18°60'59	7°71'20		
6782	14	21°11'80	19°24'93	12	10°00'13	7°16'14			6833	8	7°77'10	19°72'96	14	19°10'65	7°66'44		
6783	4	21°18'75	19°66'08	8	10°08'53	7°57'13			6834	16	10°72'94	19°12'87	19	22°08'52	7°17'07		
6784	10	15°39'37	20°67'87	13	4°33'50	8°79'92			6835				15	14°22'06	8°79'31		
6785	20	15°72'78	20°11'41	21	4°64'73	8°22'16			6836	23	4°24'25	20°54'48	32§	15°55'38	8°35'25	65 1434	9.5
6786	10	16°02'77	20°00'17	14	4°94'62	8°10'11			6837	17	4°47'44	20°55'77	22	15°78'30	8°37'54		
6787	38§	20°25'06	20°92'12	42§	9°19'55	8°86'71	65 1425	9.0	6838	12	5°58'54	20°87'99	18	16°88'40	8°73'63		
6788	11	20°63'28	20°29'62	10	9°55'40	8°22'87			6839	30§	7°03'38	20°01'22	36§	18°36'17	7°92'07	65 1437	9.3
6789	13	22°8'55	20°76'82	18	11°79'27	8°62'06	65 1431	9.0	6840	10	9°48'81	20°35'37	16	20°80'48	8°34'73		
6790	36§	22°97'95	20°90'11	36§	11°92'08	8°75'04			6841	8	12°98'23	20°91'18	9*	24°27'49	9°02'98		
6791	19	14°06'42	21°28'00	22	3°02'68	9°45'00	65 1420	9.5	6842	48§	13°47'78	20°50'89	66§	24°78'27	8°64'65	65 1443	7.7
6792	9	14°18'56	21°18'33						6843	8†	5°63'94	21°78'81	14	16°90'25	9°64'46		
6793	10	16°41'32	21°15'82	15	5°37'20	9°24'22			6844	30§	11°31'60	21°33'33	35§	22°59'30	9°39'17	65 1440	9.3
6794	44§	19°00'77	21°28'41	48§	7°96'61	9°27'20	65 1423	8.0	6845	16	11°48'02	21°40'52	22	22°75'40	9°47'05		
6795	11	19°56'79	21°71'64	14	8°54'27	9°68'36			6846	38§	12°91'66	21°19'45	42§	24°20'27	9°31'00	65 1442	9.0
6796	11	20°75'65	21°92'89	21§	9°73'40	9°85'29			6847	10	13°94'58	21°49'48	13	25°21'44	9°64'89		
6797	20	14°86'76	22°87'31	23§	3°88'87	11°01'07	65 1421	9.2	6848	8	4°05'18	22°50'96	18	15°29'20	10°30'98		
6798	30§	14°98'63	22°67'05	36§	4°00'13	10°80'28			6849	10	8°98'54	22°02'15	12	20°23'65	9°99'77		
6799				9	11°18'54	10°78'74			6850	14	11°61'96	22°77'46	19	22°84'50	10°84'00		
6800	20	22°20'48	22°48'06	24	11°20'53	10°35'50			6851	17	4°34'22	23°04'85	21	15°56'20	10°85'98		
6801				20	13°08'68	10°55'97			6852	26	6°82'58	23°89'68	24	18°01'72	11°79'47		
6802	17	16°16'70	23°65'91	18	5°21'66	11°75'02			6853				8	22°02'45	11°69'54		
6803	4*	18°04'45	23°49'36	6	7°08'96	11°52'07			6854				8	23°20'25	11°43'34		
6804	41§	21°50'00	23°07'58	42§	10°52'33	10°97'64	65 1427	9.1	6855	30§	12°28'32	23°88'12	32§	23°46'65	11°97'55	65 1441	9.5
6805	23	17°65'71	24°79'04	28§	6°74'56	12°82'93	65 1422	9.5	6856				8*	15°70'32	12°00'84		
6806	30	17°94'21	24°54'30	31§	7°02'16	12°56'97			6857				10	18°51'49	12°82'82		
6807	9†	19°31'49	24°27'94	14	8°38'36	12°25'20			6858	25	3°76'41	25°75'73	26§	14°89'06	13°54'79		
6808	15	20°19'53	24°90'29	19	9°28'73	12°85'06			6859				12	15°98'14	13°51'26		
6809	15	22°80'15	24°01'01	19	11°85'67	11°86'00			6860	34§	10°17'47	25°29'10	34§	21°31'36	13°30'96	65 1439	9.1
6810				10	12°15'77	11°95'34			6861	19	4°37'88	26°11'43	26§	15°49'36	13°92'54		
6811				16	11°49'26	12°44'16											
6812				11	13°32'03	12°60'01											
6813				13	7°89'41	13°28'11											
	107§	25°06'91	26°34'14				65 1433	7.0									
R.A. 20 <sup>h</sup> 6 <sup>m</sup> to 20 <sup>h</sup> 15 <sup>m</sup>									R.A. 20 <sup>h</sup> 15 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup>								
Centre		R.A. 20 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			Centre		R.A. 20 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				
		Plate 2769. 1895, July 26.			Plate 2338. 1894, Nov. 8.					Plate 2769. 1895, July 26.			Plate 2279. 1894, Oct. 14.				
6814	10	4°49'19	14°71'99						6862	8*	17°98'98	14°46'21	14	6°62'71	2°39'61		
6815	14	6°50'90	15°49'07						6863				6	10°67'87	2°73'93		
6816	14	6°17'62	16°80'76	17	17°61'76	4°68'77			6864	10	14°37'23	15°14'83	13	3°03'57	3°20'88		
6817	10	10°12'42	16°82'85	18	21°56'20	4°84'93			6865	16	16°80'00	15°82'42	31	5°48'82	3°80'05	65 1447	9.4
6818	10	10°14'80	16°62'78	18†	21°59'26	4°64'82			6866	8	18°11'52	15°13'32	9*	6°77'95	3°06'33		
6819	12	10°22'82	16°75'54	22	21°66'86	4°77'97			6867	8	18°71'12	15°64'28	14	7°39'46	3°55'03		
6820	8†	3°47'57	17°67'52	14	14°88'86	5°45'69			6868	10	21°74'76	15°19'49	18	10°41'35	2°99'86		
6821	14	3°66'60	17°50'71	17	15°08'60	5°29'49			6869	18	22°65'52	15°20'54	17	11°31'89	2°97'43		
6822	22	5°41'32	17°52'22	29§	16°82'95	5°37'37	65 1436	9.4	6870	10	22°88'84	15°66'43	11	11°56'85	3°42'37		
6823	20	8°88'74	17°69'04	27	20°29'34	5°66'92	65 1438	9.5	6871	22	22°91'90	15°55'07	30	11°59'66	3°30'96		
6824	8	9°59'35	17°55'81	11*	21°00'35	5°56'18			6872	12	22°93'92	15°59'16	20	11°61'53	3°34'97	64 1439	9.1
6825				8	14°12'79	6°10'04			6873				6†	13°97'62	3°62'74		
6826	8†	6°05'83	18°54'32	12	17°43'85	6°41'61			6874				12	5°65'63	4°77'55		
6827	22§	8°51'25	18°79'96	32§	19°88'33	6°76'26			6875	26§	17°46'95	16°19'76	38§	6°17'31	4°14'96		
6828	8*	10°40'45	18°52'96	10	21°77'69	6°55'87			6876				5	7°26'03	4°95'53		
6829	8	11°40'04	18°90'28	8†	22°76'60	6°96'95			6877				6	9°46'77	4°23'70		
									6878	10	21°15'14	16°71'48	24	9°87'26	4°53'68		
									6879	8	22°19'03	16°29'26	20§	10°89'36	4°07'03		



## ZONE + 65°.

R.A. 20 <sup>h</sup> 15 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 20 <sup>h</sup> 15 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 20 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				Centre R.A. 20 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°					
Plate 2769. 1895, July 26.				Plate 2279. 1894, Oct. 14.				Plate 2769. 1895, July 26.				Plate 2279. 1894, Oct. 14.					
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B.D. No. Mag.		
6880	14	22°62'13	16°28'87	25	11°32'38	4°05'62	°	m.	6939	25	14°42'60	25°12'94	30	3°45'20	13°18'67	65°1444	m.
6881				4†	12°07'30	4°13'67			6940	23	15°34'64	25°27'48	32	4°37'51	13°29'57		9°5
6882	8	23°57'12	16°78'39	20	12°28'85	4°51'82			6941	10	16°32'39	25°02'95	14	5°34'42	13°01'88		
6883	17	24°13'12	16°74'01	24	12°84'92	4°45'57	65 1457	9°3	6942				6	8°20'65	13°13'86		
6884	12	24°73'64	16°91'66	18	13°46'26	4°60'97			6943				10	11°78'69	13°29'51		
6885	30	17°17'02	17°55'64	36	5°92'23	5°52'02	65 1446	9°1	6944	27	23°91'70	25°09'69	22	12°93'49	12°80'95		
6886	8*	19°10'24	17°25'50	8	7°84'14	5°14'68			6945				8†	13°74'03	13°20'01		
6887	10	19°19'95	17°08'67	11	7°93'20	4°97'97											
6888				10	8°75'53	5°24'76							67	2°33'57	8°60'40	65 1443	7°7
6889				12	8°77'67	5°81'09							38	1°80'30	9°30'96	65 1442	9°0
6890	8	22°99'24	17°31'62	20	11°73'25	5°06'37			R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 33 <sup>m</sup>								
6891				8	11°83'20	5°85'57			Centre R.A. 20 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			Centre R.A. 20 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°		
6892	19	23°40'58	17°80'58	26	12°16'22	5°54'60			Plate 2280. 1894, Oct. 14.			Plate 2279. 1894, Oct. 14.			Plate 2280. 1894, Oct. 14.		
6893	20	24°36'88	17°44'29	30	13°11'25	5°14'63	65 1458	9°5	6946	9	6°31'06	14°58'60	12†	17°69'80	2°47'05	°	m.
6894	12	24°52'46	17°89'96	12	13°28'36	5°59'90	65 1459	9°5	6947	4†	10°73'93	14°58'93					
6895				12	4°65'84	6°49'20			6948	59	11°31'31	14°64'59	71	22°69'82	2°70'50	64 1449	6°8
6896				6	7°47'93	6°13'06			6949	9	5°11'02	15°83'01	6†	16°46'00	3°67'04		
6897				12	11°82'77	6°51'42			6950	11	5°30'94	15°94'64	16	16°64'87	3°79'19		
6898				8	12°41'09	6°30'71			6951	21	6°04'16	15°36'86	21	17°40'46	3°24'22		
6899				8	13°82'41	6°42'80			6952	9	7°68'19	15°56'82	11†	19°03'54	3°50'30		
6900				14	6°07'53	7°71'50			6953	41	7°73'45	15°78'53	40	19°08'19	3°72'10	65 1471	9°0
6901				12	7°04'70	7°49'76			6954	10	7°79'06	15°57'52					
6902	14	18°74'93	19°97'28	22	7°58'71	7°87'39	65 1450	9°5	6955	14	9°06'34	15°21'85	17†	20°42'88	3°20'21		
6903				10	10°06'67	7°59'83			6956	13	11°11'11	15°67'59	19†	22°45'90	3°72'73		
6904	32	21°64'92	19°72'95	34	10°47'52	7°53'15	65 1454	9°2	6957	8	11°13'69	15°68'00					
6905	12	22°47'96	19°42'59	18	11°29'40	7°19'94	65 1455	9°5	6958	15	13°33'40	15°33'27					
6906	15	24°52'01	19°73'52	22	13°34'47	7°43'49			6959	36	3°94'76	16°34'45	35	15°27'51	4°14'49	65 1462	9°3
6907				14	13°97'59	7°16'24			6960	37	3°96'97	16°88'27	37	15°27'64	4°68'24	65 1463	9°2
6908	10	14°11'65	20°55'24	14	2°97'83	8°62'07			6961	4	9°18'36	16°70'10	5*	20°49'52	4°69'02		
6909	8†	15°38'96	20°23'77	10	4°23'82	8°26'44			6962	17	10°60'96	16°78'57	25	21°91'90	4°82'05		
6910	10	17°25'59	20°82'46	16	6°12'38	8°78'60	65 1448	9°5	6963	25	9°14'52	17°81'67	29	20°42'03	5°80'05		
6911	8	19°06'78	20°38'40	16	7°91'87	8°27'77			6964	39	11°73'43	17°86'64	46	23°00'77	5°94'15	65 1477	9°0
6912	8	19°44'93	20°57'38	14	8°30'92	8°45'52			6965	22	12°16'01	17°77'12	29	23°43'28	5°86'07		
6913				8	8°86'45	8°85'02			6966	34	5°65'32	18°07'70	27	16°92'11	5°93'98		
6914	32	23°31'32	20°23'39	32	12°15'48	7°97'38	65 1456	9°5	6967	6	6°70'42	18°61'00	4	17°95'66	6°50'40		
6915				10	13°78'22	8°88'73			6968	6	8°44'77	18°78'63	4	19°68'60	6°74'64		
6916				8	7°65'52	9°31'16			6969	36	9°50'71	18°76'27	36	20°74'87	6°76'04	65 1476	9°1
6917				10	8°47'66	9°08'71			6970	8	5°27'06	19°16'47	8	16°49'92	7°00'89		
6918	12	15°13'26	22°08'87	14	4°04'69	10°12'11			6971	90	6°03'92	19°11'32	90	17°26'99	6°98'59	65 1466	6°3
6919	10	15°86'07	22°44'29	14	4°78'81	10°44'88			6972	8	6°60'77	19°51'65	5†	17°82'25	7°40'83		
6920				10	6°70'46	10°75'51			6973	8	10°20'20	19°47'74	6*	21°41'92	7°49'73		
6921	30	18°02'93	22°20'62	32	6°94'60	10°13'48	65 1449	9°4	6974	50	6°49'61	20°26'49	44	17°68'56	8°15'22	65 1468	8°5
6922				10	7°17'52	10°01'68			6975	12	8°56'18	20°78'95	10	19°73'24	8°75'01		
6923	12	18°47'99	22°20'33	14	7°39'50	10°11'58			6976	24	3°71'20	21°31'81	18	14°86'52	9°10'86	65 1461	9°5
6924	22	19°17'98	22°59'70	28	8°11'04	10°48'48	65 1451	9°4	6977	11	4°54'04	21°11'35	10	15°70'07	8°93'16		
6925				6	10°30'22	10°18'85			6978	10	4°96'40	21°20'39	10*	16°12'03	9°03'98		
6926	9	22°42'07	22°35'00	16	11°34'07	10°12'09			6979	14	6°05'35	21°42'00	12	17°20'28	9°29'12		
6927	17	23°02'39	22°49'41	20	11°95'24	10°24'22			6980	24	6°75'38	21°12'05	18	17°91'28	9°01'82		
6928	25	24°59'88	22°44'87	26	13°51'99	10°14'09	65 1460	9°2	6981	36	7°81'96	21°42'18	32	18°96'79	9°35'94	65 1472	9°3
6929	10	17°94'65	23°42'18	14	6°90'78	11°35'23			6982	24	9°25'43	21°58'01	22	20°39'47	9°56'60	65 1474	9°4
6930	10	18°00'13	23°09'38	22	6°95'25	11°02'17			6983	32	6°31'69	22°55'96	26	17°42'76	10°44'07	65 1467	9°3
6931				12	8°54'49	11°84'63			6984	50	9°35'38	22°60'06	46	20°45'82	10°58'97	65 1475	8°4
6932				10	3°54'81	12°24'24			6985	4†	10°71'68	22°22'73	4*	21°83'99	10°26'21		
6933	6	14°95'21	24°42'20	12	3°95'00	12°46'00			6986	10	12°16'60	22°84'95	8	23°26'17	10°93'17		
6934				8	6°13'63	12°05'44			6987	30	3°57'37	23°56'10	26	14°64'92	11°34'64		
6935	24	19°44'19	24°04'37	26	8°42'54	11°91'96	65 1452	9°1	6988	26	3°78'70	23°22'04	13	14°87'43	11°01'05		
6936	28	19°56'99	24°01'80	30	8°55'34	11°88'97											
6937	27	21°27'19	24°75'07	32	10°27'80	12°56'22	65 1453	9°2									
6938	9	21°44'13	24°62'98	14	10°44'36	12°43'58											

B. D. 65° 1469. There is no star whose place corresponds to this either in the Catalogue or on the Chart Plates.

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 33 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 33 <sup>m</sup> to 20 <sup>h</sup> 42 <sup>m</sup> —contd.									
Centre R.A. 20 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2280. 1894, Oct. 14.				R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2279. 1894, Oct. 14.				Centre R.A. 20 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2280. 1894, Oct. 14.				R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2308. 1894, Oct. 25.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
6989	20	4.2565	23.1319	14	15.3496	10.9401	°	m.	7037	25§	23.0363	17.6969	20§	11.8206	5.4826	°	m.
6990	4*	5.3142	23.7688	6	16.3801	11.6135			7038	32§	15.6137	18.0924	26§	4.4150	6.1446	65 1483	9.3
6991	4*	5.8910	23.8166	6	16.9577	11.6815			7039	4†	15.6605	18.6701					
6992	38§	7.4044	23.4365	28§	18.4850	11.3517	65 1470	9.4	7040	17	15.7235	18.3589	8	4.5351	6.4076		
6993	15	9.4842	23.1176	15	20.5744	11.1096			7041	12	19.3709	18.9509	6	8.2037	6.8700		
6994	6	10.8156	23.0463	8	21.9074	11.0827			7042	27	20.3371	18.5975	20	9.1551	6.4802	65 1490	9.4
6995	14	11.9909	23.6718	18	23.0578	11.7534	65 1478	9.5	7043	17	20.4163	18.5794	10	9.2341	6.4590		
6996	12	12.5624	23.7292	10	23.6247	11.8296			7044	4	21.2751	18.1613					
6997	26§	8.9677	24.3253	14§	20.0164	12.2993			7045	30§	24.0402	18.9527	30§	12.8670	6.7006	65 1496	9.4
6998	57§	8.9835	24.6607	48§	20.0191	12.6349	65 1473	8.9	7046	19	24.6672	18.9144	9	13.4944	6.6434		
6999	15	9.0703	24.3855	10	20.1140	12.3661			7047	6	14.0268	19.1582					
7000	14	12.1455	24.4949	16	23.1829	12.5788			7048	26	14.9528	19.6061	23	3.8082	7.6810		
7001	12	12.6244	24.5016	13	23.6610	12.6016			7049	8†	16.5643	19.5635					
7002	41§	12.8657	24.9602	39§	23.8894	13.0685	65 1479	9.5	7050	11	16.8669	19.8848	6†	5.7348	7.8911		
7003	12†	13.2299	24.6312	10	24.2608	12.7543			7051	13	18.5539	19.7409	5	7.4139	7.6856		
7004	14	13.8159	24.3293	27	24.8588	12.4731			7052	12	18.7981	19.5245	7	7.6506	7.4607		
7005	33§	5.6079	25.3898	34§	16.6192	13.2436			7053	42§	18.8114	19.7299	42§	7.6710	7.6654	65 1486	9.1
7006	15	7.2649	25.8551	16	18.2573	13.7695			7054	18	19.3587	19.3018	8	8.2023	7.2208		
7007				6	18.5933	13.2607			7055	17	19.8041	19.8301	12	8.6657	7.7316		
7008	14	11.7711	25.0057	12	22.7903	13.0767			7056	12	22.7554	19.0608	10	11.5881	6.8601		
									7057	12	19.2361	20.3798	5	8.1170	8.2996		
	28	1.5340	16.7356	77§	26.6653	4.7538	65 1482	8.8	7058	7	19.3759	20.6716	5	8.2675	8.5884		
							65 1457	9.3	7059	13	20.0910	20.3561	8	8.9683	8.2481		
									7060	25	22.4590	20.7429	20	11.3527	8.5493	65 1492	9.5
									7061	21	23.3482	20.5220	16	12.2312	8.2977		
									7062	22	24.0423	20.3877	17	12.9213	8.1372	65 1497	9.5
									7063				8	12.9440	8.1948		
									7064	9	16.1403	21.8767	5	5.0771	9.9079		
									7065	22	16.3069	21.1098	17	5.2197	9.1371	65 1484	9.5
									7066	16	16.8580	21.1697	14	5.7729	9.1764		
									7067	9	18.7105	21.6036	8	7.6370	9.5420		
									7068	11	19.7351	21.4987	8	8.6578	9.4012		
									7069	17†	22.1850	21.8206	6	11.1189	9.6370		
									7070	27	23.9463	21.3752	18	12.8635	9.1281	65 1495	9.5
									7071	13†	20.9761	22.5571	8	9.9360	10.4118		
									7072				8	10.2929	10.5358		
									7073	25†	24.3309	22.1799	15	13.2748	9.9149		
									7074	26	14.1051	23.4883	21	3.1046	11.5918	65 1480	9.4
									7075	21	16.0176	23.8808	21	5.0266	11.9161		
									7076	19†	16.1138	23.9729	13	5.1271	12.0043		
									7077	38§	19.9993	23.3304	31§	8.9854	11.2222	65 1489	8.9
									7078	19*	22.3260	23.9626	16	11.3374	11.7767	65 1491	9.5
									7079	28†	23.4272	23.2977	16	12.4142	11.0633		
									7080	23†	24.1760	23.0231	18	13.1516	10.7679	65 1498	9.5
									7081	21†	19.4826	24.7502	10	8.5243	12.6605		
									7082	17†	22.1991	24.6188	13	11.2321	12.4280		
									7083	26	22.8565	24.4316	17	11.8846	12.2200	65 1493	9.5
									7084				11	13.5835	12.5728		
									7085	14†	18.7956	25.5462	9	7.8660	13.4796		
									7086	38§	19.7982	25.4402	32§	8.8646	13.3381	65 1487	9.3
									7087	107§	24.3319	25.7598	84§	13.4013	13.4923	65 1499	7.0
										63§	25.0873	24.3695				65 1500	8.5
										59§	18.0746	26.1565				65 1485	8.4
										61§	19.7747	26.7794				65 1488	8.8



## ZONE + 65°.

R.A. 20 <sup>h</sup> 42 <sup>m</sup> to 20 <sup>h</sup> 51 <sup>m</sup>								R.A. 20 <sup>h</sup> 42 <sup>m</sup> to 20 <sup>h</sup> 51 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 535. 1892, Sept. 3.				Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2308. 1894, Oct. 25.				Centre R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65° Plate 535. 1892, Sept. 3.				Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2308. 1894, Oct. 25.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
7088	31§	4°1535	14°0231	34§	15°5840	1°8660	° m.	7147	13	7°7228	22°2243	8	18°8583	10°1879	° m.
7089	10	6°1323	14°1852					7148	6	9°8673	22°1618				
7090	29§	6°4748	14°5426	22	17°8858	2°4655		7149	14	12°3739	22°8752	6	23°4846	11°0011	
7091	10	10°6633	14°9038					7150	26	3°7658	23°1657	19	14°8732	10°9884	
7092	12	11°3285	14°8460					7151	10	5°8956	23°3299				
7093	26§	11°9545	14°0884	22	23°3825	2°2046		7152	18	6°7533	23°7869	13	17°8352	11°7114	
7094	6	3°5875	15°2072					7153	23	9°3859	23°8251	15	20°4682	11°8464	65 1505 9°5
7095	10	4°1178	15°6821	8	15°4891	3°5234		1754	22	11°3358	23°2089	15	22°4392	11°2998	
7096	14	5°5105	15°6041	7	16°8838	3°4921		1755	45§	3°0395	24°2796	43§	14°1117	12°0774	65 1500 8°5
7097	8	9°3434	15°2606					1756	31	3°0745	24°8279	29§	14°1242	12°6254	
7098	8	11°1699	15°8181					7157	42§	10°0380	24°9801	36§	21°0771	13°0239	65 1506 9°1
7099	43§	11°5530	15°2201	37§	22°9405	3°3218	64 1473 9°0	7158	11	10°6452	24°8494	10	21°6867	12°9114	
7100	16	3°0238	16°7456	13	14°3566	4°5492		7159	10	13°4653	24°8333				
7101	31§	4°3424	16°6600	27§	15°6780	4°5046	65 1502 9°5	7160	28	13°6651	24°7288	17	24°7139	12°9054	65 1512 9°5
7102	29§	5°3736	16°8915	29§	16°6991	4°7775	65 1503 9°1	7161	14	8°4171	25°7880	12	19°4272	13°7749	
7103	25§	6°7751	16°7844	23	18°1082	4°7172		7162	36§	10°3273	25°0398	31§	21°3655	13°0927	65 1507 9°4
7104	8	6°8135	16°2365	7	18°1643	4°1691		7163	11	11°0750	25°0622	8	22°1113	13°1449	
7105	12	7°4654	16°2021					7164	29	6°7560	26°0380	22	17°7619	13°9647	
7106	12	8°0343	16°9708	8	19°3579	4°9441						22	26°7753	4°2695	64 1477 9°4
7107	8	10°0400	16°0974									18	26°5137	8°8284	65 1514 9°1
7108	14	4°7677	17°0998					93§	2°3821	25°7210				65 1499 7°0	
7109	14	7°2473	17°1082	9	18°5676	5°0550									
7110	10	8°3558	17°6641												
7111	8	10°4668	17°8500												
7112	34§	12°6763	17°4033	21	23°9843	5°5481	65 1509 9°2								
7113	32§	13°6038	17°7231	30	24°9017	5°8953									
7114	22	2°9247	18°7952	16	14°1854	6°5902									
7115	10	5°6875	18°1231												
7116	20	10°2332	18°8280	10	21°4936	6°8805		7165	19	24°9349	13°9987	19	13°5596	1°7245	° m.
7117	20	10°8232	18°1880	11	22°1047	6°2599		7166	29§	17°1348	14°2732	25§	5°7695	2°2611	64 1480 9°5
7118	40§	12°3639	18°9616	46§	23°6160	7°0900	65 1508 8°7	7167	12	19°7914	14°8282				
7119	13	3°1249	19°6528	10†	14°3566	7°4532		7168	10	22°5169	14°4980	11	11°1604	2°3038	
7120	18	3°9536	19°7220	12†	15°1794	7°5536		7169	15	22°6853	14°2034	17	11°3164	2°0059	
7121	17	5°2501	19°6609	10	16°4818	7°5397		7170	10	25°2652	14°7289	15	13°9154	2°4475	
7122	24	6°6624	19°6705	19	17°8917	7°5989		7171	5	15°8231	15°8218	6†	4°5141	3°8509	
7123	12	7°6078	19°7597	14	18°8355	7°7203		7172	14	17°1966	15°4365	7	5°8758	3°4177	
7124	6	7°7172	19°5543	4*	18°9559	7°5199		7173	10	17°6277	15°9430	12†	6°3175	3°9108	
7125	20	7°8047	19°4117	17	19°0443	7°3804		7174	18	18°2244	15°6462	17	6°9055	3°5945	
7126	20	8°4812	19°4695	15	19°7161	7°4607		7175	39§	18°6656	15°4283	41§	7°3412	3°3625	64 1483 9°2
7127	13	11°3143	19°5292	10	22°5468	7°6189		7176	6†	19°5866	15°3201				
7128	7	11°6229	19°1986					7177	29	23°9664	15°9202	36§	12°6555	3°6785	64 1489 9°5
7129	8	13°6404	19°4192					7178	22	24°0642	15°6333	27§	12°7435	3°3900	
7130	18	13°7654	19°6891					7179	21	14°1357	16°7387	30	2°8568	4°8224	
7131	15	6°8579	20°1524	12	18°0704	8°0859		7180	35§	15°4178	16°0314	40§	4°1142	4°0731	64 1477 9°4
7132	9	7°6954	20°3531					7181	10	15°6990	16°4176	13	4°4098	4°4492	
7133	20	7°8304	20°3974	15	19°0346	8°3623		7182	21	15°7062	16°0004	27§	4°3991	4°0339	
7134	10	10°5696	20°9269					7183	10	16°5488	16°6277	6	5°2654	4°6314	
7135	11	10°6663	20°8283					7184	10	17°0049	16°9901	10	5°7347	4°9796	
7136	11	12°1726	20°1600					7185	8	17°6517	16°6009				
7137	12	12°3695	20°6968					7186	10	17°6815	16°8080				
7138	29§	13°6622	20°5985	19	24°8541	8°7723	65 1511 9°5	7187	12	18°2336	16°8668	12	6°9554	4°8130	
7139	28	3°1873	21°1104	21	14°3677	8°9107		7188	10	18°4450	16°2589	8	7°1457	4°1991	
7140	11	8°3950	21°7866					7189	38§	18°9904	16°7089	41§	7°7067	4°6310	65 1520 9°4
7141	22	12°2442	21°2711	12	23°4152	9°3952		7190	32§	19°4380	16°7074	32§	8°1560	4°6170	65 1521 9°4
7142	40§	12°9046	21°8824	41§	24°0549	10°0300	65 1510 8°7	7191	10	19°6048	16°0211	8	8°2959	3°9254	
7143	8	13°7761	21°4215					7192	8	19°8462	16°0354	6	8°5403	3°9302	
7144	16	6°0443	22°0505	11	17°1876	9°9550		7193	28§	20°4126	16°7396	26§	9°1268	4°6162	65 1522 9°5
7145	14	6°7296	22°2751	10	17°8659	10°2019		7194	18	21°2977	16°4022	16	10°0049	4°2504	
7146	10	6°8427	22°5475					7195	13	23°1169	16°8314	14	11°8352	4°6202	

1 réseau interval represents very nearly 5' = 47<sup>s</sup>.3 of R.A. at Dec. + 65°, and 49<sup>s</sup>.2 at Dec. + 66°.

## ZONE + 65°.

R.A. 20 <sup>h</sup> 51 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								R.A. 20 <sup>h</sup> 51 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								
Centre		R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°		Plate 535. 1892, Sept. 3.		Centre		R.A. 20 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°		Plate 522. 1892, Aug. 29.		
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	
7196	44§	24°6454	16°3608	54§	13°3471	4°0983	65° 1532 8.5	7255	12	24°9560	23°4181	18	13°8940	11°1394	° m.	
7197	8	15°4857	17°5257	9	4°2319	5°5636		7256	22	14°1026	24°4890	24	3°0824	12°5703		
7198	10	15°7472	17°0219	8	4°4768	5°0529		7257	22	15°0257	24°8127	24	4°0162	12°8675		
7199	13	16°9266	17°4188	18	5°6713	5°4101		7258	12	15°2515	24°5615	10	4°2327	12°6057		
7200	86§	17°6498	17°6264	80§	6°3974	5°5949	65 1518 7.3	7259	12	16°0651	24°7303	10	5°0532	12°7491		
7201	4	18°7038	17°9201	6*	7°4618	5°8505		7260	16	18°0649	24°0919	14	7°0254	12°0426		
7202	7	18°9779	17°0908	10	7°7075	5°0124		7261	14	19°3842	24°4109	12	8°3603	12°3199		
7203	10	19°9787	17°0498	10	8°7065	4°9394		7262	19§	20°8224	24°5139	26§	9°7963	12°3753	65 1526 9.5	
7204	10	22°3025	17°6845	8	11°0467	5°4994		7263	10	21°6233	24°6881	16	10°6051	12°5205		
7205	8	23°2237	17°9566	12	11°9762	5°7388		7264	4*	14°6232	25°4985	6	3°6343	13°5637		
7206	4†	15°0739	18°2545	4	3°8454	6°3069		7265	8	16°2834	25°8443	8	5°3049	13°8579		
7207	10	15°8736	18°7399	8	4°6582	6°7647		7266	20	16°7343	25°5123	22	5°7449	13°5068		
7208	40§	17°1972	18°0404	40§	5°9615	6°0241	65 1517 9.5	7267	11	22°0475	25°3801	16	11°0542	13°2000		
7209	4	18°0157	18°7556	6	6°8006	6°7119		7268	20	22°3927	25°5986	26	11°4029	13°4046		
7210	20	19°9177	18°0463	22	8°6803	5°9396		7269	10	18°8526	26°0239	10	7°8821	13°9502		
7211	6	20°5506	18°9083	6	9°3378	6°7789						45§	1°1576	7°1023	65 1508 8.7	
7212	16	20°7363	18°2806	18	9°5056	6°1443						44§	1°7950	10°0084	65 1510 8.7	
7213	4	21°2856	18°4938	4	10°0640	6°3408		41§	25°9163	19°7407				65 1533 9.4		
7214	4†	21°8139	18°9873	4	10°6052	6°8109		58§	23°0557	26°4227				65 1531 8.3		
7215	13	22°9253	18°4464	12	11°6974	6°2391										
7216	36§	15°8531	19°4258	34§	4°6618	7°4532	65 1516 9.3									
7217	6	15°9232	19°1090	8	4°7225	7°1297										
7218	24§	16°0051	19°7557	32§	4°8254	7°7796										
7219	4*	16°4247	19°3712	4	5°2344	7°3805										
7220	4	18°3572	19°2403	8	7°1580	7°1823										
7221	56§	18°7952	19°3101	60§	7°5996	7°2404	65 1519 7.8									
7222	16	20°8655	19°7441	18	9°6818	7°6015		7270	8	5°1306	14°2423	7†	16°5778	2°1419	° m.	
7223	12	14°2347	20°2659	12	3°0729	8°3445		7271	15	5°7370	14°4624	20	17°1746	2°3894		
7224	6	15°0390	20°9995	6†	3°9040	9°0503		7272	13	5°7835	14°4810	15	17°2195	2°4076		
7225	30§	15°3196	20°5912	36§	4°1688	8°6373	65 1514 9.1	7273	12	6°6894	14°2639	14†	18°1350	2°2272		
7226	8	16°7521	20°2697	10	5°5860	8°2666		7274	39§	6°7984	14°2606	40§	18°2425	2°2285	64 1498 9.4	
7227	14	16°8442	20°2058	16	5°6774	8°1991		7275	10	8°5246	14°6108	12	19°9521	2°6504		
7228	26§	17°0492	20°5096	34§	5°8946	8°4979		7276	31§	9°7291	14°3648	27§	21°1684	2°4517		
7229	16	20°8840	20°7744	18	9°7344	8°6321		7277	8	12°3028	14°1314					
7230	4†	20°8873	20°1885	6	9°7198	8°0431		7278	38§	12°3312	14°9199	42§	23°7461	3°1113	64 1508 9.1	
7231	14	21°3836	20°9089	10	10°2388	8°7502		7279	14	4°5890	15°4933	16	15°9842	3°3703		
7232	42§	23°2427	20°2999	42§	12°0741	8°0803	65 1530 9.2	7280	10	5°4378	15°0649	7	16°8510	2°9745		
7233	14	24°1599	20°6416	12	13°0046	8°3904		7281	8	5°8571	15°0614	8*	17°2679	2°9900		
7234	12	17°8764	21°7093	14	6°7629	9°6687		7282	34§	6°8262	15°2571	32§	18°2335	3°2239	64 1499 9.3	
7235	14	19°4245	21°5470	10	8°3029	9°4537		7283	44§	12°5163	15°2447	50§	23°9209	3°4443	64 1509 9.2	
7236	32§	20°7409	21°2912	36§	9°6063	9°1570	65 1525 9.5	7284	34§	13°3022	15°8503	38§	24°6766	4°0812		
7237	6	21°6462	21°2405	6	10°5143	9°0759		7285	8†	13°7691	15°2847					
7238	40§	21°9558	21°4818	42§	10°8309	9°3031	65 1528 9.3	7286	12	13°8849	15°7188					
7239	6	23°4714	21°6918	8	12°3508	9°4655		7287	19	3°3967	16°9363	18	14°7348	4°7646		
7240	10†	23°9344	21°9887	8	12°8162	9°7450		7288	14	4°3145	16°7377	18	15°6609	4°6018		
7241	28§	24°1693	21°8880	32§	13°0548	9°6378		7289	34§	7°0489	16°8905	34§	18°3858	4°8695	65 1536 9.1	
7242	11	25°0540	21°0405	14	13°9122	8°7611		7290	42§	7°4022	16°4948	40§	18°7557	4°4881	65 1538 8.7	
7243	16	16°5986	22°7593	14	5°5157	10°7597		7291	8	8°4561	16°8264	10	19°7963	4°8596		
7244	4†	19°5599	22°0379	6	8°4535	9°9398		7292	18	10°0326	16°2405	20	21°3929	4°3398		
7245	8	20°7539	22°7349	10	9°6703	10°5985		7293	32§	10°3492	16°6887	37§	21°6932	4°7996	65 1544 9.5	
7246	16	22°0655	22°5867	16	10°9762	10°4036		7294	12	10°8165	16°3337	6	22°1750	4°4646		
7247	10	23°3813	22°8292	10	12°3003	10°6020		7295	18	11°6170	16°2702	18	22°9779	4°4335		
7248	17	23°4867	22°7389	26	12°4041	10°5085		7296	34§	12°0004	16°7224	43§	23°3420	4°9001	65 1549 9.5	
7249	17	25°0929	22°2712	20	13°9885	9°9899		7297	8	12°6212	16°2590					
7250	10	15°7227	23°1224	10	4°6544	11°1504		7298	40§	13°5707	16°2052	44§	24°9327	4°4494	65 1553 9.5	
7251	18	16°8048	23°6646	14	5°7546	11°6589		7299	26§	3°7554	17°5590	24	15°0686	5°4001		
7252	6	17°1734	23°4718	8	6°1145	11°4518		7300	10	4°8759	17°3608	10	16°1961	5°2488		
7253	34§	21°3244	23°5800	30§	10°2660	11°4211	65 1527 9.5	7301	8	6°6125	17°2187	8	17°9332	5°1750		
7254	12	22°1699	23°8895	14	11°1237	11°7058		7302	16	6°6476	17°5987	12	17°9553	5°5583		



## ZONE + 65°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 9 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 9 <sup>m</sup> —contd.						
Centre		R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			Centre		R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°		
Plate 536. 1892, Sept. 3.		Plate 522. 1892, Aug. 29.		Plate 536. 1892, Sept. 3.			Plate 536. 1892, Sept. 3.		Plate 522. 1892, Aug. 29.		Plate 522. 1892, Aug. 29.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
7303	12	7°00'42	17°22'05	10	18°32'61	5°19'79	7362	16	12°53'10	22°79'14	18	23°62'43	10°98'99
7304	22	7°36'36	17°45'14	24	18°67'93	5°44'16	7363	18	13°24'58	22°12'00	26	24°36'55	10°34'21
7305	38§	12°22'47	17°63'87	44§	23°52'72	5°82'35	7364	14	13°29'68	22°53'18	16	24°39'57	10°76'09
7306	10	12°22'88	17°35'88	8	23°54'46	5°54'51	7365	76§	13°86'22	22°89'99	90§	24°94'66	11°15'12
7307	8†	12°89'28	17°98'86				7366	25§	3°11'40	23°61'90	18	14°17'63	11°43'02
7308	16	12°96'06	17°90'68	18	24°25'41	6°12'22	7367	20†	4°99'64	23°46'07	20	16°06'65	11°35'00
7309	80§	13°16'66	17°23'80	96§	24°48'78	5°46'24	7368	10†	5°60'13	23°56'84	4*	16°66'53	11°48'18
7310	8	13°66'24	17°33'98				7369	31§	5°83'31	23°66'52	24	16°89'51	11°58'57
7311	20	3°56'54	18°29'37	12	14°84'73	6°12'87	7370	20	8°27'57	23°74'13	14	19°32'97	11°76'30
7312	8	5°29'45	18°51'40	8	16°56'57	6°41'80	7371	32	8°76'88	23°73'01	32§	19°82'55	11°77'17
7313	10	6°12'20	18°92'20	10	17°37'52	6°86'05	7372	16	10°84'44	23°22'26	20	21°92'06	11°35'11
7314	12	6°86'13	18°87'85	8	18°12'07	6°84'40	7373	8*	10°88'51	23°13'29			
7315	30§	9°99'57	18°47'06	32§	21°26'65	6°56'80	7374	22	11°41'73	23°47'48	20	22°48'45	11°62'51
7316	18	10°33'16	18°74'61	18	21°58'95	6°85'53	7375	40§	11°43'49	23°33'60	42§	22°50'48	11°48'57
7317	10	10°35'15	18°73'44	8*	21°61'08	6°84'24	7376	38§	12°02'62	23°15'07	34§	23°10'43	11°32'75
7318	18	13°04'62	18°41'87	21	24°31'59	6°63'99	7377	12	13°14'65	23°94'52	10	24°19'04	12°16'32
7319	32§	13°60'70	18°06'12	46§	24°89'51	6°30'26	7378	16	13°77'56	23°31'79	14	24°84'49	11°56'36
7320	11	13°61'36	18°96'95	12†	24°85'86	7°21'14	7379	19†	4°59'41	24°96'45	14	15°60'41	12°83'55
7321	10	13°80'27	18°18'34				7380	10†	4°66'48	24°02'02	8	15°71'42	11°89'29
7322	50§	3°50'01	19°60'07	50§	14°73'21	7°43'09	7381	8	7°44'46	24°01'14	8*	18°48'87	12°00'27
7323	18	7°52'20	19°91'61	18	18°73'54	7°90'98	7382	9†	7°94'63	24°61'63	10	18°96'52	12°62'18
7324	35§	10°25'53	19°49'80	36§	21°48'50	7°60'07	7383	8	8°59'21	24°61'95	8†	19°60'66	12°65'59
7325	30§	10°73'50	19°90'04	30§	21°94'56	8°02'63	7384	8	9°01'39	24°24'61	8*	20°04'28	12°29'75
7326	26§	12°27'56	19°47'67	32§	23°50'46	7°66'45	7385	11	9°01'92	24°94'51	8	20°02'49	12°99'37
7327	34§	12°87'59	19°55'65	37§	24°10'10	7°76'94	7386	28	10°91'62	24°74'63	28	21°92'96	12°87'41
7328	10†	4°02'50	20°18'83	8†	15°22'91	8°03'54	7387	22	11°66'49	24°71'85	16	22°67'59	12°87'80
7329	19§	5°15'81	20°08'10	19	16°36'60	7°97'75	7388	8	12°12'45	24°60'05	8†	23°14'02	12°77'97
7330	20§	6°53'53	20°12'71	14	17°74'29	8°07'97	7389	8	13°12'49	24°73'90	8*	24°13'64	12°95'43
7331	36§	6°76'78	20°00'12	32§	17°97'95	7°96'28	7390	27	3°31'54	25°58'28	17	14°30'18	13°40'15
7332	13	8°14'63	20°48'89				7391	16	4°53'94	25°60'59	12	15°52'40	13°47'27
7333	13	9°49'11	20°35'55	13†	20°68'66	8°43'03	7392	18	5°08'66	25°63'41	14	16°06'56	13°52'36
7334	13	10°05'53	20°89'17	9	21°22'57	8°98'85	7393	8†	6°55'93	25°34'60	8*	17°54'73	13°29'96
7335	32§	10°33'31	20°57'47	33§	21°51'57	8°68'19	7394	51§	7°37'40	25°40'90	46§	18°36'30	13°39'06
7336	7	10°65'19	20°15'08				7395	37§	7°46'62	25°13'75	34§	18°46'61	13°12'56
7337	22	11°15'10	20°85'11	22	22°32'47	8°99'17	7396	12	7°65'21	25°75'81	14	18°62'54	13°75'32
7338	16	12°01'03	20°60'66	15	23°19'04	8°78'20	7397	36§	7°76'08	25°54'26	27§	18°74'32	13°54'40
7339	8	12°78'18	20°12'26				7398	10	8°32'97	25°71'67	16	19°30'32	13°73'89
7340	14	13°11'60	20°48'02	13†	24°30'25	8°70'14	7399	10	9°24'90	25°30'61	16	20°24'29	13°36'54
7341	24§	5°23'09	21°86'97	19	16°36'55	9°77'00	7400	12	9°59'77	25°52'72	10	20°57'71	13°59'96
7342	13	6°74'61	21°02'82	13	17°91'62	8°98'77	7401	10	11°04'27	25°13'99	18	22°03'88	13°27'04
7343	20§	9°77'48	21°76'77	22§	20°91'18	9°85'16	7402	33§	11°40'58	25°59'85	25§	22°38'44	13°74'37
7344	20	10°10'88	21°84'51	18	21°24'19	9°94'25	7403	38§	11°93'32	25°64'02	43§	22°90'54	13°81'06
7345	14	10°36'93	21°02'07	9	21°53'59	9°12'91	7404	40§	12°07'65	25°73'01	40§	23°04'93	13°90'53
7346	19	11°70'00	21°58'92	18	22°84'18	9°75'11	7405	28	13°09'11	25°67'25	24§	24°06'51	13°88'93
7347	13	12°90'10	21°17'79	8†	24°06'09	9°38'94	7406	8	13°64'89	25°50'28	8†	24°62'53	13°74'36
7348	21	3°78'61	22°53'10	15	14°89'71	10°37'00	7407	8	13°94'64	25°04'17			
7349	25	4°47'53	22°28'21	18	15°59'56	10°15'02					30§	25°60'04	6°90'90
7350	10	6°19'65	22°39'01	10	17°31'38	10°32'38					21	25°60'46	6°91'75
7351	10	6°31'54	22°23'39	10*	17°43'49	10°17'69							
7352	46§	7°61'44	22°65'71	52§	18°71'51	10°65'07							
7353	12	7°93'05	22°65'14	10	19°03'21	10°66'06							
7354	22	8°00'56	22°65'20	20	19°10'55	10°66'31							
7355	10	9°51'45	22°83'26	8	20°60'53	10°90'62							
7356	32§	10°92'56	22°82'60	32	22°01'96	10°95'89							
7357	24	11°42'56	22°02'31	22	22°54'81	10°17'57							
7358	16	11°47'65	22°55'68	10†	22°58'20	10°70'95							
7359	16	11°77'78	22°84'22	10*	22°87'18	11°00'87							
7360	10	11°88'06	22°95'01	8*	22°96'59	11°11'87							
7361	10	12°04'48	22°82'58										

## ZONE + 65°.

R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup> — <i>contd.</i>									R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°						Centre R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°			R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°					
Plate 536. 1892, Sept. 3.			Plate 1587. 1893, Nov. 9.						Plate 536. 1892, Sept. 3.			Plate 1587. 1893, Nov. 9.					
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.	
							No.	Mag.								No.	Mag.
7411	24§	19°0140	14°6403	18	7°5794	2°6796		m.	7470	15	19°4947	18°0837					
7412	42§	19°3543	14°4411	41	7°9136	2°4678	64	1518	9°0	7471	16	19°7053	18°2390	9	8°3938	6°2488	
7413	33§	20°9352	14°2617	32	9°4877	2°2376			7472	15	20°0443	18°0200	12	8°7251	6°0207		
7414	8	21°0543	14°3851						7473	44§	23°2642	18°0505	40§	11°9404	5°9444	65	1571
7415	8	21°1240	14°1939						7474	9	23°4654	18°8899					
7416	9	21°3640	14°0214						7475	23§	24°1340	18°1978	19	12°8152	6°0585		
7417	10	22°1652	14°5130						7476	35§	15°6605	19°6230	25	4°3956	7°7714		
7418	31§	22°4944	14°7901	24	11°0639	2°7117	64	1525	9°5	7477	11	16°7989	19°6810	7	5°5344	7°7911	
7419	8	22°7869	14°9528						7478	15	18°1819	19°2699	10	6°9031	7°3340		
7420	35§	23°0448	14°4425	32	11°6038	2°3452	64	1526	9°5	7479	14	19°0992	19°0002				
7421	14	23°7949	14°8681	11†	12°3685	2°7431			7480	14	19°4104	19°8688	10	8°1545	7°8904		
7422	10	24°0908	14°6687						7481	45§	19°9380	19°3196	44§	8°6634	7°3273	65	1565
7423	13	24°9339	14°8625						7482	11	21°1032	19°1302	5†	9°8191	7°0933		
7424	16	15°1105	15°5905						7483	13	21°3671	19°0663	8	10°0838	7°0227		
7425	31§	15°1136	15°7198	24	3°7166	3°8880	64	1512	9°5	7484	28§	21°4446	19°7485	21	10°1835	7°7033	
7426	15	16°0420	15°4193						7485	14	22°6439	19°5606	10	11°3745	7°4774	65	1576
7427	16	16°3449	15°3846						7486	40§	24°5359	19°7081	39§	13°2710	7°5592	9°3	
7428	8	19°4046	15°6198						7487	8	14°1304	20°1720					
7429	15	19°4455	15°7841	8†	8°0524	3°8093			7488	9	15°6327	20°4662					
7430	12	20°4133	15°6667						7489	11	17°3589	20°4391	4†	6°1242	8°5305		
7431	29§	21°0678	15°1203	20	9°6497	3°0903			7490	8	18°9868	20°9327					
7432	14	22°0959	15°5495	9	10°6907	3°4847			7491	8	19°6255	20°7942					
7433	10	22°9227	15°4408						7492	11	21°2861	20°3984					
7434	16	24°0212	15°0404						7493	8	21°8636	20°5949					
7435	39§	14°5758	16°8750	38	3°2189	5°0629	65	1557	9°5	7494	12	23°7036	20°8323	8	12°4745	8°7103	
7436	9	15°4933	16°2698						7495	63§	23°9072	20°8709	60§	12°6839	8°7423	65	1574
7437	17	15°5256	16°9304	11	4°1698	5°0867			7496	25§	23°9370	20°2434	22	12°6899	8°1135		
7438	8	17°7452	16°6003						7497	34§	24°9828	20°5494	33§	13°7444	8°3822		
7439	26§	19°7815	16°3199	23	8°4042	4°3329			7498	14	14°0389	21°8200					
7440	14	20°1324	16°6999	9	8°7666	4°6985			7499	12	14°1515	21°0415					
7441	11	20°8545	16°1699	6†	9°4717	4°1478			7500	10	14°9476	21°3494					
7442	8	21°5028	16°4946						7501	12	15°4852	21°1559					
7443	41§	22°0433	16°5097	39	10°6697	4°4471	65	1567	8°8	7502	26§	16°3279	21°9461	22	5°1434	10°0729	
7444	15	23°7476	16°8709	10	12°3866	4°7540			7503	34§	16°9266	21°3781	36§	5°7249	9°4819	65	1561
7445	12	24°0653	16°1587	8	12°6815	4°0256			7504	8	17°1419	21°9987					
7446	21	24°8422	16°7909	10	13°4776	4°6323			7505	6	17°8157	21°3208					
7447	19	25°0717	16°7893	11	13°7082	4°6249			7506	18	18°9201	21°8406	10	7°7295	9°8775		
7448	12	17°0655	17°5919	7	5°7328	5°6970			7507	18	21°5744	21°1827	8	10°3572	9°1293		
7449	19§	18°0045	17°4805	17	6°6691	5°5539			7508	38§	16°1156	22°4615	38§	4°9465	10°5954	65	1559
7450	8	18°7985	17°6183						7509	14	16°5058	22°5983					
7451	9	20°3996	17°9389						7510	8	17°4667	22°7882					
7452	13	20°6949	17°1041	4†	9°3447	5°0853			7511	28§	17°9709	22°1006	22	6°7868	10°1719	65	1563
7453	8	21°0018	17°6637						7512	24§	17°9716	22°0906	24	6°7866	10°1594		
7454	11	21°7880	17°7863	4	10°4591	5°7260			7513	14	18°0099	22°8214	8	6°8524	10°8909		
7455	35§	22°0235	17°5399	36§	10°6856	5°4753	65	1568	9°5	7514	10	19°7671	22°8014				
7456	11	22°4037	17°5737	4†	11°0649	5°4970			7515	14	20°2389	22°4781	10	9°0691	10°4725		
7457	39§	22°7350	17°4378	37§	11°3958	5°3477	65	1569	9°3	7516	13	21°7992	22°9814	6	10°6445	10°9246	
7458	8	23°0743	17°3969	4†	11°7297	5°2944			7517	8	22°1867	22°7222	6†	11°0271	10°6505		
7459	29§	23°2033	17°8161	25§	11°8723	5°7107	65	1570	9°5	7518	6	23°1339	22°4793				
7460	18	24°5963	17°2697	13	13°2506	5°1163	65	1575	9°5	7519	37§	23°2730	22°1890	28	12°0919	10°0781	
7461	14	14°1549	18°2904						7520	57§	23°5659	22°9830	50§	12°4141	10°8672	65	1573
7462	31§	14°3409	18°6367						7521	18	16°8346	23°2474	10	5°6925	11°3558		
7463	18§	14°3469	18°6455	36	3°0455	6°8344	65	1556	9°1	7522	12	17°1397	23°1886				
7464	16	14°8769	18°5604	14	3°5797	6°7387			7523	24§	19°5138	23°4622	16	8°3767	11°4804		
7465	14	15°1050	18°8400	6	3°8148	7°0085			7524	14	20°6970	23°5108	8	9°5647	11°4876		
7466	10	15°8452	18°6307	5	4°5509	6°7724			7525	32	23°3246	23°6130	20	12°1908	11°5034	65	1572
7467	33§	18°7866	18°1224	30§	7°4721	6°1681			7526	22	24°5818	23°3526	12	13°4389	11°2002		
7468	8	19°3262	18°3664						7527	20	17°3062	24°9707	20	6°2228	13°0640		
7469	8	19°3456	18°5017						7528	10	18°2893	24°3289					

$\times$  réseau interval represents very nearly  $5' = 47^{\circ}.3$  of R.A. at Dec. + 65°, and  $49^{\circ}.2$  at Dec. + 66°.



## ZONE + 65°.

R.A. 21 <sup>h</sup> 9 <sup>m</sup> to 21 <sup>h</sup> 18 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 9 <sup>m</sup> Dec. + 65°				Centre R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				Centre R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 65°				Centre R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			
Plate 536. 1892, Sept. 3.				Plate 1587. 1893, Nov. 9.				Plate 1334. 1893, Aug. 5.				Plate 1587. 1893, Nov. 9.			
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .
7529	40 $\S$	18.5147	24.8600	40 $\S$	7.4273	12.9115	65° 1564	7577	10	7.8761	18.3939	32 $\S$	22.8270	6.3081	65 1585
7530	18	18.8758	24.4894	10	7.7761	12.5274		7578	40 $\S$	11.5356	18.2149	10*	14.4532	7.2292	
7531	18	18.9119	24.4504	10	7.8101	12.4876		7579	12	3.2029	19.4391	6†	15.7936	7.1525	
7532	17	19.0823	24.1002					7580	8	4.5385	19.3169	10	20.3831	7.7461	
7533	12	19.2856	24.5556					7581	16	9.1437	19.7402				
7534	32	20.6547	24.9788	26	9.5681	12.9532		7582	8	9.3038	19.7002				
7535	16	20.9253	24.0693					7583	52 $\S$	9.6645	19.0991	46 $\S$	20.9258	7.1229	65 1583
7536	30	14.0370	25.7648	15	2.9836	13.9675	65 1555	7584	12	11.4152	19.4870				
7537	10	14.2138	25.1916					7585	10	12.3355	19.1061				
7538	8	14.7627	25.2668					7586	12	12.3846	19.3596				
7539	36 $\S$	16.5360	25.3576	30	5.4651	13.4764	65 1560	7587	48 $\S$	12.7316	19.5274	50 $\S$	23.9747	7.6617	65 1589
7540	8	16.8670	25.1785					7588	18	4.8542	20.5096	12	16.0660	8.3607	
7541	14	17.0335	25.7700	6	5.9723	13.8715		7589	36 $\S$	5.2027	20.7532	34	16.4035	8.6184	65 1578
7542	11	17.9506	25.9460	6	6.8985	14.0168		7590	42 $\S$	5.5860	20.9835	44 $\S$	16.7825	8.8602	65 1580
7543	24	19.4879	25.8300	20	8.4317	13.8482		7591	12	6.5574	20.8281	8†	17.7579	8.7367	
7544	21	21.3636	25.4885	16	10.2956	13.4369		7592	16	7.0869	20.4137	12	18.3040	8.3455	
								7593	16	9.4952	20.8515	12	20.6940	8.8702	
				42	1.1056	3.5030	64 1509	7594	12	10.0947	20.5807				
				78 $\S$	1.8206	5.4734	65 1552	7595	12	13.6541	20.3900				
				58 $\S$	2.7114	11.1123	65 1554	7596	6	13.8969	20.2695				
	42 $\S$	25.4670	15.6440				64 1529	7597	15	3.7926	21.3390	10	14.9741	9.1487	
								7598	21	4.3800	21.8120	20	15.5463	9.6453	
								7599	18	4.5485	21.8719	18	15.7124	9.7105	
								7600	10	5.1662	21.3252				
								7601	22	5.1735	21.5844	16	16.3443	9.4462	
								7602	12	6.2646	21.1271				
								7603	14	8.3439	21.0891				
								7604	16	8.5779	21.9602	14	19.7364	9.9404	
								7605	22 $\S$	10.0318	21.5688	17	21.2017	9.6003	
								7606	30 $\S$	10.5876	21.6305	28	21.7552	9.6885	65 1584
								7607	44 $\S$	12.3251	21.6501	42 $\S$	23.4901	9.7695	65 1588
								7608	22 $\S$	12.3355	21.9899	21	23.4934	10.1087	
								7609	16	12.6155	21.0006	5*	23.8039	9.1300	
								7610	44 $\S$	13.2372	21.4596	41 $\S$	24.4115	9.6100	65 1592
								7611	24	4.8762	22.3803	18	16.0218	10.2286	
								7612	16	5.3664	22.9800	8	16.4877	10.8451	
								7613	46 $\S$	7.0354	22.9701	64 $\S$	18.1563	10.8972	65 1581
								7614	12	7.5838	22.2514				
								7615	46 $\S$	7.7968	22.5814	48 $\S$	18.9348	10.5385	65 1582
								7616	8	8.0933	22.9260				
								7617	18	9.4544	22.6480	10*	20.5860	10.6609	
								7618	14	9.7265	22.0480				
								7619	20	9.8842	22.4037	16	21.0248	10.4360	
								7620	16	9.9445	22.3672	12	21.0888	10.4004	
								7621	14	10.6645	22.3695	6	21.8061	10.4282	
								7622	30 $\S$	11.3245	22.3133	25	22.4653	10.3980	
								7623	10	13.2813	22.4296				
								7624	10	3.4346	23.0100	8	14.5574	10.8050	
								7625	16	5.7751	23.1204	12	16.8927	10.9997	
								7626	23 $\S$	5.7888	23.3856	22	16.8970	11.2635	
								7627	8	6.3749	23.3089				
								7628	23 $\S$	7.0264	23.5770	22	18.1260	11.5008	
								7629	20 $\S$	9.5052	23.3794	16	20.6117	11.3966	
								7630	10	10.1043	23.5334				
								7631	20 $\S$	12.0250	23.1295	13	23.1359	11.2381	
								7632	40 $\S$	12.9537	23.5401	42 $\S$	24.0508	11.6800	65 1591
								7633	16	13.0402	23.8389				
								7634	16	13.1080	23.6474	12	24.2027	11.7908	
								7635	26 $\S$	13.4155	23.6005	18	24.5105	11.7575	

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 21 <sup>h</sup> 18 <sup>m</sup> to 21 <sup>h</sup> 27 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup>								
Centre R.A. 21 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 1334. 1893, Aug. 5.				R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 1587. 1893, Nov. 9.				Centre R.A. 21 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 1334. 1893, Aug. 5.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	
7636	16	13.4857	23.1254					7683	42§	16.1592	16.1492	42§	4.8629	4.2150		
7637	16	13.7752	23.4782	6†	24.8733	11.6457		7684	32§	16.3618	16.6389	27	5.0823	4.6934		
7638	42§	4.3744	24.5256	40§	15.4395	12.3537	65 1577	7685	28§	16.4341	16.0501	19	5.1346	4.1043		
7639	6	6.5641	24.0863					7686	16	16.7752	16.1577	4*	5.4812	4.1982		
7640	17	6.9251	24.3243	16	17.9977	12.2419		7687	38§	16.9704	16.1297	33	5.6717	4.1620	64 1558	9.3
7641	16	8.5770	24.6894	12	19.6355	12.6710		7688	24§	17.0357	16.1892	20	5.7436	4.2198		
7642	14	10.3658	24.5169					7689	22§	19.4353	16.1994	18	8.1404	4.1488		
7643	14	10.4241	24.8705					7690	12	19.5158	16.3288	6*	8.2245	4.2732		
7644	8	11.4166	24.5808					7691	4	19.9737	16.0864					
7645	42§	11.7147	24.9409	44§	22.7638	13.0383	65 1586	7692	8	20.1348	16.7996					
7646	14	11.9646	24.1710					7693	14	20.4717	16.2093	8*	9.1748	4.1230		
7647	12	12.9342	24.6414					7694	30§	20.4743	16.9508	30§	9.2047	4.8616		
7648	18	12.9964	24.8441	12*	24.0455	12.9834		7695	32§	20.6525	16.1102	34§	9.3521	4.0163		
7649	34§	13.2714	24.2805	35	24.3420	12.4308		7696	28§	21.2640	16.5767	26	9.9806	4.4594		
7650	18	13.5200	24.7747	4*	24.5750	12.9291		7697	12	21.3838	16.1607	6†	10.0853	4.0404		
7651	21	5.1856	25.7785	16	16.2052	13.6355		7698	10	21.6044	16.6407					
7652	43§	5.3130	25.1476	42§	16.3572	13.0100	65 1579	7699	10	21.7527	16.0310	6†	10.4503	3.8988		
7653	13	6.3306	25.6394	10†	17.3597	13.5390		7700	18	21.9840	16.3772	8	10.6923	4.2356		
7654	31§	6.4945	25.1601	28	17.5359	13.0679		7701	44§	22.3853	16.5388	42§	11.1009	4.3811	65 1610	8.5
7655	12	8.4714	25.1903	6†	19.5116	13.1714		7702	18	22.7141	16.6125	14	11.4312	4.4465		
7656	19	9.3233	25.6999	18	20.3448	13.7089		7703	33§	24.7843	16.8735	34§	13.5118	4.6346	65 1615	9.5
7657	28§	9.6022	25.8463	20	20.6153	13.8598		7704	46§	24.8842	16.6541	46§	13.6025	4.4148	64 1574	7.5
7658	18	9.7378	25.8510	12	20.7540	13.8692		7705	40§	16.2937	17.8825	36	5.0569	5.9408	65 1597	9.1
7659	16	9.8249	25.0318	12	20.8668	13.0589		7706	24§	16.7577	17.2912	16	5.5020	5.3368		
7660	12	10.1508	25.3582					7707	6	18.0551	17.2792					
7661	18	10.4624	25.3208	8†	21.4954	13.3707		7708	14	18.8642	17.3070	6†	7.6103	5.2744		
7662	16	10.8003	25.2522					7709	78§	20.1454	17.5920	72§	8.8962	5.5159	65 1602	7.5
7663	14	11.1347	25.3189	4†	22.1665	13.3934		7710	14	20.5972	17.9892					
7664	28§	12.2367	25.0583	21	23.2838	13.1693		7711	20	21.0277	17.3066	18	9.7677	5.2025		
7665	42§	12.9356	25.4396	44§	23.9659	13.5780	65 1590	7712	12	21.5156	17.3195	4*	10.2587	5.1944		
7666	18	13.4846	25.5180					7713	42§	22.1230	17.7002	42§	10.8771	5.5519	65 1609	8.5
				57§	25.4799	8.3172	65 1593	7714	10	23.0547	17.3213					
				48§	25.9243	8.0249	65 1594	7715	17	23.9660	17.0774	10	12.6984	4.8651		
				56§	26.1374	10.3999	65 1596	7716	18	24.0607	17.8413	14	12.8165	5.6259		
	58§	1.4876	21.0141				65 1574	7717	14	14.2365	18.8727					
	54§	1.2937	23.1462				65 1573	7718	12	14.7944	18.9486					
								7719	18	16.7955	18.4139	10†	5.5809	6.4540		
								7720	12	17.7245	18.4801					
								7721	12	17.7414	18.3605					
								7722	48§	18.4494	18.1391	42§	7.2218	6.1220	65 1600	8.6
								7723	4	19.4477	18.5415	4*	8.2344	6.4892		
								7724	10	19.7843	18.9814	4	8.5842	6.9157		
								7725	22	20.3911	18.3109	18	9.1698	6.2264		
								7726	18	21.3459	18.8883	12	10.1412	6.7671		
								7727	14	23.0728	18.7265	6†	11.8624	6.5465		
								7728	22	23.4649	18.6658	16	12.2540	6.4723		
								7729	48§	14.6897	19.8183	48§	3.5247	7.9317	65 1594	8.4
								7730	8	15.4924	19.8982					
								7731	24	20.2550	19.0210	18	9.0579	6.9404		
								7732	8	21.0297	19.5565					
								7733	20	21.1198	19.4751	12	9.9387	7.3622		
								7734	18	22.4041	19.0860	10	11.2052	6.9242		
								7735	26§	22.8949	19.6684	22§	11.7186	7.4941		
								7736	42§	23.3584	19.6288	38§	12.1791	7.4389	65 1612	9.4
								7737	20	23.5397	19.0010	14	12.3403	6.8043		
								7738	18	24.1810	19.1152	8†	12.9806	6.8931		
								7739	34§	25.0044	19.2787	34§	13.8128	7.0327	65 1616	9.5
								7740	52§	14.2557	20.1279	51§	3.1035	8.2555	65 1593	8.5
								7741	16	16.3838	20.5538	10†	5.2415	8.6099		



## ZONE + 65°.

R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 27 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 21 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 1334. 1893, Aug. 5.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.				Centre R.A. 21 <sup>h</sup> 27 <sup>m</sup> Dec. + 65° Plate 1334. 1893, Aug. 5.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.					
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		
No.	Diam.	$\alpha$ .	$\eta$ .					No.	Diam.	$\alpha$ .	$\eta$ .						
7742	10	18°2632	20°9454				°	m.	7801	11	21°4574	24°8299	8*	10°4638	12°7039	°	m.
7743	8	18°3657	20°6853						7802	11	22°5242	24°0959	12	11°5041	11°9319		
7744	12	19°3751	20°6194	8*	8°2310	8°5706			7803	22§	23°6839	24°8099	20§	12°6842	12°6055		
7745	20	20°1979	20°9505	16	9°0699	8°8721			7804	10	14°4935	25°3981					
7746	20	20°9971	20°7710	20	9°8611	8°6640			7805	14	17°6046	25°7903	12	6°6487	13°8001		
7747	14	21°7745	20°7384	8	10°6368	8°6023			7806	10	18°7807	25°8390					
7748	14	23°3218	20°7476	8†	12°1810	8°5571			7807	26§	21°4941	25°5795	24	10°5249	13°4517	65 1608	9·5
7749	28	24°3992	20°1122	24	13°2379	7°8861			7808	13	21°5280	25°9304	10	10°5741	13°7990		
7750	34§	17°4770	21°7807	30	6°3796	9°7971	65 1598	9·5	7809	10	22°0336	25°3597	4†	11°0554	13°2109		
7751	16	17°5161	21°3656	8	6°4047	9°3797			7810	12	22°4744	25°8012	10	11°5133	13°6393		
7752	32§	18°8465	21°1309	22	7°7270	9°0993			7811	21	23°8648	25°7005	16	12°8981	13°4904		
7753	22	19°2318	21°9330	16	8°1365	9°8888			7812	22	24°6438	25°1505	14	13°6605	12°9127		
7754	16	19°8536	21°9904	6*	8°7617	9°9206							56§	13°6860	1°0201	64 1575	6·8
7755	34§	20°3619	21°2897	28	9°2412	9°2046	65 1604	9·4					24	1°1130	5°8361	65 1587	8·8
7756	40§	22°1668	21°9293	38§	11°0692	9°7782							53§	1°5551	7°7104	65 1589	7·8
7757	10	22°9784	21°8597										45§	1°2250	9°8496	65 1588	8·0
7758	47§	23°9054	21°6100	46§	12°7986	9°4011	65 1613	8·1					37§	2°1297	9°6246	65 1592	8·5
7759	25	24°8325	21°6476	18	13°7229	9°4025							41§	1°9145	11°7147	65 1591	9·0
7760	12	14°9158	22°1495	8*	3°8308	10°2541							36§	1°9692	13°6143	65 1590	8·8
7761	48§	14°9924	22°1825	48§	3°9072	10°2882	65 1596	8·4	55§	26°5831	19°1248					65 1623	8·8
7762	14	14°9927	22°0789	8*	3°9073	10°1850											
7763	12	15°2758	22°1908														
7764	10	17°1293	22°2583														
7765	30§	17°2369	22°7498	26	6°1737	10°7732											
7766	12	17°3774	22°7478	8*	6°3144	10°7648											
7767	20	17°9659	22°2680	12	6°8793	10°2655											
7768	46§	18°2269	22°0802	42§	7°1406	10°0697	65 1599	8·4									
7769	22	18°2954	22°1030	14	7°2081	10°0904			7813	18	7°4284	14°6995	12†	18°8517	2°7179		
7770	14	18°7952	22°7799						7814	24§	13°7591	14°3975	19	25°1897	2°6383		
7771	12	20°0843	22°8804						7815	36§	13°7992	14°1703	62	25°2374	2°4109	64 1590	8·8
7772	8	20°2047	22°0901						7816	10	4°3458	15°2043					
7773	34§	20°5873	22°8565	30	9°5244	10°7601	65 1605	9·5	7817	12	5°7440	15°6293	4*	17°1329	3°5921		
7774	36§	21°0924	22°2508	28§	10°0075	10°1388	65 1607	9·0	7818	22	6°0227	15°9988	16	17°4006	3°9648		
7775	12	21°5431	22°5518	8*	10°4714	10°4244			7819	10	6°9690	15°4595	5*	18°3629	3°4599		
7776	20	21°5926	22°8162	12	10°5298	10°6882			7820	10	7°6269	15°2132					
7777	14	21°7548	22°1862	8*	10°6699	10°0487			7821	10	8°3223	15°3098					
7778	21	22°2649	22°0207	16	11°1692	9°8688			7822	16	8°5656	15°9636	12	19°9440	4°0200		
7779	40§	23°0706	22°8757	40§	12°0065	10°6913	65 1611	9·5	7823	8	8°9950	15°9219					
7780	14	14°2340	23°6676						7824	22	13°1942	15°0976	7†	24°5991	3°3175		
7781	20	14°5848	23°0200	14	3°5293	11°1388			7825	18	13°3947	15°5281	7*	24°7820	3°7522		
7782	34§	15°0552	23°1343	30	4°0027	11°2314			7826	10	3°0997	16°9922	8	14°4430	4°8571		
7783	24§	15°6576	23°3160	18	4°6175	11°3915			7827	30§	3°1138	16°9715	38§	14°4585	4°8362	65 1620	9·4
7784	14	15°8049	23°8698						7828	8	7°2952	16°3492	4*	18°6584	4°3648		
7785	36§	16°7337	23°5126	34§	5°6969	11°5573			7829	24	7°3516	16°0814	28	18°7267	4°0949		
7786	12	17°6754	23°5302						7830	18	9°0944	16°4515	16	20°4534	4°5277		
7787	16	17°8953	23°9602	10†	6°8722	11°9569			7831	10	9°2858	16°9338	7*	20°6300	5°0097		
7788	14	19°6853	23°8167						7832	20	13°2746	16°2497	13†	24°6379	4°4723	64 1587	9·5
7789	18	19°8548	23°7192	14	8°8240	11°6505			7833	15	3°9083	17°9800	20	15°2188	5°8695		
7790	14	19°9931	23°0367	8*	8°9338	10°9595			7834	38§	4°6125	17°4109	46§	15°9405	5°3292	65 1626	8·5
7791	24§	21°2347	23°8657	22	10°2033	11°7491			7835	6	7°4220	17°2136	8	18°7547	5°2299		
7792	16	16°1034	24°7608	8†	5°1095	12°8278			7836	4	11°8179	17°8059					
7793	12	16°4629	24°1616	10*	5°4439	12°2101			7837	20§	12°1632	17°9635	35	23°4669	6°1448	65 1645	9·3
7794	32§	17°1633	24°5182	24§	6°1594	12°5417			7838	8	12°5404	17°0272				65 1648	9·5
7795	16	17°2352	24°8884	10†	6°2491	12°9104			7839	29	2°7341	18°2790	36§	14°0331	6°1297	65 1617	9·5
7796	20	18°0807	24°4799	14	7°0753	12°4726			7840	24§	3°8245	18°7044	34§	15°1095	6°5946	65 1622	9·5
7797	40§	19°2600	24°1599	40§	8°2430	12°1087	65 1601	8·8	7841	13	3°9638	18°5933	20	15°2504	6°4846		
7798	19	20°7194	24°4000	14	9°7122	12°3005			7842	18	3°9845	18°3573	24	15°2814	6°2500		
7799	18	21°0831	24°7046	10	10°0833	12°5919			7843	38§	4°1108	18°9231	42§	15°3860	6°8202	65 1623	8·8
7800	23	21°4269	24°0997	20	10°4078	11°9744											

No. 7791 is not given in the B. D., but is given as No. 3390 in the *Christiania (A. G.) Catalogue*. Mag. 9·5.

1 réseau interval represents very nearly 5' = 47·3 of R.A. at Dec. + 65°, and 49·2 at Dec. + 66°.

## ZONE + 65°.

R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 45 <sup>m</sup> —contd.									R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 45 <sup>m</sup> —contd.								
Centre R.A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2950. 1895, Nov. 17.									Centre R.A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2950. 1895, Nov. 17.								
R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.									R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
7844	16	4.2181	18.2050	22	15.5185	6.1069	65° 1624	9.4	7902	10	11.1864	25.0967	12	22.2397	13.2413		
7845	8	4.2774	18.3651	12	15.5740	6.2705			7903	16	12.8114	25.1591	9	23.8603	13.3604		
7846	6	4.9280	18.0323														
7847	22	10.0629	18.9750	30§	21.3320	7.0827	65 1640	9.1					27	14.6250	1.2842	64 1577	9.4
7848	10	11.3924	18.4099	10*	22.6812	6.5652	65 1642	9.5					25	26.6828	3.3316	64 1595	9.5
7849	12	3.2443	19.2648	14	14.5094	7.1331										64 1574	7.5
7850	8	3.3337	19.0115	10†	14.6064	6.8842			40§	2.2423	16.5783					65 1613	8.1
7851	27§	4.5741	19.7397	40§	15.8200	7.6541	65 1625	9.0	50§	1.6139	21.5888					65 1643	8.7
7852	8	4.6335	19.8996	8	15.8741	7.8179			33§	11.4657	26.6850					65 1644	8.6
7853	26§	6.2487	19.4241	40§	17.5056	7.3975	65 1628	8.8	41§	11.6095	26.3992						
7854	16	7.1840	19.8465	24	18.4273	7.8502											
7855	4	7.9818	19.5613														
7856	12	9.9055	19.0305	14	21.1753	7.1343											
7857	42§	12.3469	19.6750	56§	23.5895	7.8622	65 1647	8.1									
7858	6	12.9778	19.2752														
7859	12	13.0168	19.6412	13	24.2642	7.8515			7904				6	6.9055	2.4428		
7860	10	13.0847	19.3154	9	24.3433	7.5302			7905				4†	7.2408	2.1843		
7861	18	5.0026	20.1390	22	16.2360	8.0725			7906				8	7.7469	2.0941		
7862	8	6.2526	20.5398	8	17.4676	8.5114			7907				8	8.3026	2.8752		
7863	10	7.1146	20.3343	10	18.3399	8.3399			7908	10	21.5633	14.1731	16	10.1497	2.0706		
7864	8	9.1626	20.3961	9	20.3805	8.4729			7909	14	23.5636	14.6580	22	12.1646	2.4858		
7865	8	11.9818	20.2413	5†	23.2092	8.4172			7910	8	23.8137	14.5172	13	12.4093	2.3383		
7866	16	12.9310	20.4955	20	24.1445	8.7038	65 1649	9.5	7911	8	14.3929	15.8810	10*	3.0454	4.0336		
7867	27	3.0435	21.0782	32	14.2461	8.9378	65 1618	9.3	7912	6*	14.6995	15.4669	6	3.2920	3.6115		
7868	12	4.1404	21.0000	14	15.3437	8.8991			7913				6	3.7325	3.4903		
7869	8	4.7309	21.0627	10	15.9301	8.9810			7914	22§	15.2765	15.0404	31§	3.8951	3.1603	64 1595	9.5
7870	18	6.8077	21.3442	30	17.9979	9.3372			7915				7	4.3134	3.3719		
7871	8	7.3854	21.5849	8	18.5671	9.5980			7916	8	17.3534	15.4272	8	5.9878	3.4741		
7872	24§	8.3282	21.3889	34§	19.5131	9.4348	65 1635	9.3	7917	24§	17.8428	15.2039	35§	6.4688	3.2330	64 1597	9.5
7873	18§	8.3459	21.5298	28§	19.5283	9.5754	65 1636	9.5	7918	6	18.1527	15.2899	10	6.7807	3.3103		
7874	24§	8.4448	21.8000	34§	19.6169	9.8505	65 1637	9.4	7919	14§	19.2892	15.3333	26§	7.9205	3.3104		
7875	20§	8.6133	21.7147	30§	19.7869	9.7699	65 1638	9.4	7920	8	19.4683	15.2887	22	8.0960	3.2577		
7876	16	9.2241	21.1729	22	20.4200	9.2502			7921	16§	19.6339	15.1723	30§	8.2563	3.1370		
7877	14	13.6739	21.6125	13	24.8493	9.8458			7922	8	20.8429	15.5400	14	9.4779	3.4644		
7878	19	3.3422	22.1506	28	14.5019	10.0199			7923	12	21.2247	15.4732	22	9.8573	3.3822		
7879	16	3.5199	22.9271	18	14.6532	10.8052			7924	8	21.2409	15.4877	12	9.8744	3.3964		
7880	12	4.5633	22.7548	12	15.7033	10.6697			7925				4	10.2839	3.4760		
7881	18	4.8892	22.4998	24	16.0380	10.4235			7926				6	10.6215	3.7062		
7882	18	6.0076	22.2561	14	17.1674	10.2220			7927	4†	22.5329	15.7195	14	11.1730	3.5828		
7883	30§	7.4790	22.1641	36§	18.6374	10.1803	65 1631	9.1	7928				8	11.6560	3.6767		
7884	8	7.9233	22.6252	10	19.0673	10.6550			7929	7†	23.6689	15.3528	12	12.2942	3.1766		
7885	18	7.9803	22.0371	24	19.1443	10.0708	65 1633	9.5	7930				14	13.8139	3.1839		
7886	8	8.2653	22.5143	8	19.4130	10.5574			7931				8	3.5631	4.6837		
7887	6	9.6735	22.2129	8	20.8309	10.3037			7932				14	5.0868	4.2602		
7888	8	13.7176	22.1241						7933				8	5.3857	4.2570		
7889	19	4.2803	23.5126	26	15.3930	11.4145			7934				8	5.7940	4.7634		
7890	8	10.9771	23.5478	14	22.0856	11.6836			7935				10	6.9676	4.6402		
7891	14	11.7695	23.8390	17	22.8678	12.0053			7936				12	7.3249	4.5723		
7892				12	14.6138	12.4858			7937	34§	18.8635	16.7925	38§	7.5446	4.7835	65 1663	9.0
7893	36§	6.0758	24.4230	42§	17.1581	12.3888	65 1627	8.3	7938	36§	21.3361	16.0066	42§	9.9848	3.9117	64 1602	9.0
7894	8†	6.1560	24.6467	10	17.2289	12.6142			7939	34§	21.4220	16.5589	40§	10.0910	4.4607	64 1603	8.9
7895	62§	8.0448	24.8407	66§	19.1098	12.8721	65 1634	7.6	7940				8	10.3347	4.2455		
7896	32§	10.7907	24.6552	40§	21.4607	12.7706	65 1641	9.0	7941				6	11.3007	4.0965		
7897	14	12.817	24.1540	18	23.7682	12.3509			7942	16§	23.6383	16.8029	26§	12.3172	4.6235		
7898	26	13.6348	24.4219	25	24.7116	12.6509			7943	35§	23.8245	16.4663	46§	12.4893	4.2817	64 1606	8.6
7899	8	7.6221	25.2593	10	18.6708	13.2794			7944	33§	24.7124	16.3491	38§	13.3726	4.1343	64 1608	8.9
7900	14	8.3728	25.5822	18	19.4108	13.6305			7945	8	24.7238	16.3496	16	13.3872	4.1311		
7901	23	9.8643	25.0373	32§	20.9224	13.1365	65 1639	9.5	7946	12	14.1045	17.9664	19	2.8299	6.1274		
									7947	6	15.4339	17.4682	12	4.1417	5.5800		



## ZONE + 65°.

R. A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup> — <i>contd.</i>								R. A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup> — <i>contd.</i>							
Centre R. A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2950. 1895, Nov. 17.				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 2777. 1895, Aug. 6.				Centre R. A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65° Plate 2950. 1895, Nov. 17.				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 2777. 1895, Aug. 6.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
7948				12	4°37'38	5°39'92		8007				10	5°07'41	7°54'43	
7949	6	15°84'59	17°00'30	18	4°53'86	5°10'11		8008				10	5°69'88	7°97'49	
7950	8	16°12'12	17°08'30	16	4°81'51	5°17'17		8009	10	17°40'04	19°28'43	12	6°16'77	7°32'88	
7951	4*	16°48'02	17°09'19	8	5°17'09	5°16'76		8010	40§	17°53'37	19°04'40	44§	6°29'30	7°08'07	65 1662 8.6
7952				8	5°16'49	5°64'64		8011				10	7°97'39	7°50'50	
7953	6	16°87'03	17°14'42	18	5°56'50	5°20'62		8012	14	19°44'41	19°49'11	24§	8°22'03	7°46'04	
7954				8	5°64'16	5°89'96		8013	4*	19°72'56	19°78'18	8	8°51'26	7°74'21	
7955	5	17°79'61	17°26'49	16	6°49'41	5°29'89		8014	19§	20°39'18	19°99'42	28§	9°18'49	7°92'94	65 1667 9.5
7956	4	17°91'33	17°07'52	18	6°60'55	5°10'13		8015	14	20°74'49	19°74'88	18§	9°53'01	7°67'15	
7957				8	7°22'06	5°57'14		8016	32§	20°93'83	19°52'16	36§	9°71'44	7°43'63	65 1669 9.4
7958	18	18°97'02	17°42'15	30§	7°67'45	5°40'95		8017	6	21°76'63	19°24'66	10	10°53'41	7°13'64	
7959	78§	19°15'76	17°40'47	84§	7°85'84	5°38'83	65 1664 6.6	8018	6†	23°71'54	19°78'93	10	12°50'03	7°60'96	
7960	14	19°52'23	17°87'13	22	8°23'84	5°83'99		8019				10	12°82'56	7°86'34	
7961	14	19°55'49	17°02'92	20	8°24'25	4°99'69		8020				12	13°68'05	7°20'63	
7962	18	19°56'56	17°26'37	28§	8°26'30	5°23'03		8021				6	2°97'53	8°20'26	
7963	4	19°64'73	17°65'53	10	8°35'74	5°62'18		8022	12	14°25'32	20°29'57	26§	3°06'35	8°44'86	65 1651 9.5
7964				4	8°50'40	5°15'49		8023	14	14°83'32	20°03'54	26§	3°62'96	8°16'80	65 1652 9.5
7965	7	20°29'69	17°89'61	14	9°01'47	5°83'53		8024				4	3°26'33	8°57'32	
7966	14	21°03'62	17°74'26	20§	9°74'81	5°65'89		8025				6†	3°72'45	8°22'77	
7967	20	21°28'55	17°12'75	26§†	9°97'59	5°03'41		8026				10	4°27'99	8°47'21	
7968				8	10°12'26	5°84'33		8027				4	4°51'59	8°73'65	
7969				8	10°18'56	5°21'43		8028	4*	16°36'48	20°34'65	8	5°17'53	8°42'36	
7970				10	11°51'20	5°35'70		8029	5	16°47'56	20°72'89	10	5°29'55	8°80'17	
7971	7†	23°43'93	17°88'90	14	12°15'59	5°71'95		8030				10	5°43'01	8°41'84	
7972	10	23°53'44	17°06'98	16	12°22'30	4°89'23		8031				8	5°66'53	8°66'89	
7973	56§	23°61'49	17°12'56	80§	12°30'41	4°94'40	65 1680 7.5	8032				10	7°96'41	8°06'06	
7974	6	23°94'48	17°00'74	10	12°63'00	4°81'90		8033				6†	8°51'79	8°01'96	
7975				12	12°79'30	5°13'76		8034	12	19°84'46	20°81'43	16	8°66'84	8°77'20	
7976				6	13°12'79	5°40'50		8035	20	20°03'77	20°75'52	24§	8°86'13	8°70'49	65 1666 9.5
7977				14	13°83'63	5°40'85		8036				8	8°86'48	8°58'21	
7978				6	3°08'40	6°29'13		8037				4	10°28'76	8°83'03	
7979				6	4°17'42	6°45'40		8038				8	10°58'79	7°98'19	
7980	10	15°55'25	18°24'77	16	4°28'54	6°35'58		8039	16	22°04'13	20°29'59	20§	10°84'32	8°17'42	
7981	6	16°51'07	18°99'54	14	5°26'74	7°07'13		8040				8	10°92'49	8°40'93	
7982	6†	16°90'53	18°91'75	10	5°66'42	6°97'86		8041				8	10°98'01	8°30'24	
7983	10	17°04'37	18°84'44	18	5°79'89	6°90'01		8042	10	22°75'36	20°86'54	14	11°57'51	8°72'01	65 1677 9.5
7984	18§	17°15'34	18°90'40	32§	5°90'90	6°95'41	65 1658 9.5	8043	8	22°90'67	20°37'27	12	11°70'80	8°22'05	
7985	10	17°32'05	18°89'73	18	6°07'56	6°94'38	65 1660 9.5	8044				8	11°73'35	8°38'64	
7986	4	17°40'00	18°38'55	10	6°13'74	6°42'83		8045	11	23°81'35	20°72'48	14	12°62'60	8°53'97	
7987	10	19°15'01	18°20'59	16	7°87'67	6°18'81		8046				4	13°59'78	8°12'99	
7988				8	8°41'39	6°10'18		8047				4	13°88'94	8°52'72	
7989				4†	8°41'34	6°47'68		8048				10	3°37'51	9°70'83	
7990	6	19°69'84	18°73'88	12	8°44'53	6°70'07		8049	10	16°01'87	21°56'10	20§	4°87'17	9°65'12	
7991				10	8°57'96	6°79'04		8050	26§	16°52'38	21°14'74	36§	5°36'29	9°21'97	65 1656 9.3
7992	14	19°99'96	18°30'49	22§	8°73'14	6°25'50		8051				4	6°12'88	9°42'46	
7993	6†	20°06'51	18°36'97	8	8°80'11	6°31'92		8052	6	18°10'87	21°88'09	12	6°97'17	9°90'02	
7994	6	20°32'84	18°23'16	8	9°05'96	6°16'92		8053	4	19°18'04	21°86'83	10	8°04'10	9°84'84	
7995	8	20°33'34	18°33'47	18	9°06'54	6°27'18		8054				6	8°71'99	9°69'09	
7996				8	9°25'33	6°25'95		8055	4*	19°93'59	21°34'53	8	8°78'17	9°29'76	
7997				8	10°24'05	6°16'91		8056	8	19°97'25	21°95'46	12	8°83'39	9°90'43	
7998	26§	21°54'38	18°15'91	30§	10°27'11	6°05'80	65 1671 9.5	8057	4†	19°98'60	21°39'61	8	8°83'36	9°34'55	
7999	8†	22°64'56	18°64'18	12	11°38'92	6°50'10		8058	34§	21°91'75	21°40'31	40§	10°76'13	9°28'35	65 1674 9.4
8000	21§	23°04'38	18°51'92	30§	11°78'12	6°36'05	65 1678 9.5	8059				4	10°87'47	9°84'99	
8001				6	12°96'28	6°27'54		8060				4	11°04'71	9°30'05	
8002	29§	24°86'97	18°29'01	32§	13°59'79	6°06'76	65 1685 9.5	8061				4	12°53'14	9°17'81	
8003	6	14°05'69	19°50'16	16	2°84'06	7°66'14		8062				10	12°78'28	9°43'80	
8004	8	15°57'47	19°84'58	18	4°36'46	7°95'06		8063	18	24°07'45	21°07'25	18§	12°90'53	8°87'99	
8005	6	15°83'86	19°47'58	20	4°61'64	7°57'18		8064	15	24°99'94	21°74'46	16	13°84'61	9°51'70	
8006	8	16°10'03	19°52'52	20	4°87'75	7°61'19		8065				4	3°17'81	10°67'98	

No. 7967. The 3<sup>m</sup> image of this on Plate 2777 is on a *réseau* line.1 *réseau* interval represents very nearly 5' = 47°.3 of R.A. at Dec. + 65°, and 49°.2 at Dec. + 66°.

## ZONE + 65°.

R. A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup> — <i>contd.</i>								R. A. 21 <sup>h</sup> 45 <sup>m</sup> to 21 <sup>h</sup> 54 <sup>m</sup> — <i>contd.</i>							
Centre R. A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R. A. 21 <sup>h</sup> 45 <sup>m</sup> Dec. + 65°				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			
Plate 2950. 1895, Nov. 17.				Plate 2777. 1895, Aug. 6.				Plate 2950. 1895, Nov. 17.				Plate 2777. 1895, Aug. 6.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
8066	4†	14°3293	22°7254	8	3°2243	10°8755	65 1659 9°3	8125	30§	14°8495	25°4872	29§	3°8440	13°6164	65°1653 9°5
8067				14	4°6115	10°1532		8126	26	16°6631	25°2191	26§	5°6442	13°2818	65 1657 9°4
8068				4	4°8955	10°2086		8127	12	18°2502	25°2852	20§	7°2351	13°2942	
8069	16	15°9874	22°8571	24§	4°8857	10°9493		8128	8	18°7442	25°1376	20§	7°7200	13°1262	
8070	30§	17°1484	22°0248	32§	6°0152	10°0717		8129	12	18°8044	25°4243	26§	7°7925	13°4108	
8071				10	6°8149	10°1209		8130	28	19°5495	25°4870	30§	8°5375	13°4504	65 1665 9°4
8072				6	7°4464	10°1204		8131	33§	21°5694	25°7812	36§	10°5645	13°6699	65 1673 9°5
8073	6	19°9357	22°5620	16	8°8220	10°5122		8132				6	11°4375	13°3240	
8074				6	9°0976	10°6306		8133				6	12°8147	13°7849	
8075				8	9°4333	10°8470		8134	62§	24°0756	25°6501	44§	13°0654	13°4492	65 1682 9°1
8076	26	20°7053	22°9488	28§	9°6054	10°8701	8135	73§	24°1853	25°7212	52§	13°1756	13°5186	65 1683 8°5	
8077				4	10°2648	10°1284	8136	49§	24°2995	25°7708	40§	13°2882	13°5607	65 1684 8°9	
8078				6	10°8151	10°8119									
8079				8	11°1260	10°6977					54§	2°3901	2°3441	64 1590 8°8	
8080	30	22°3553	22°7494	30§	11°2448	10°6163	65 1676 9°5				56§	1°1327	7°8970	65 1647 8°1	
8081				10	11°7540	10°3582			40§	25°7389	14°9536			64 1609 8°5	
8082				12	11°8021	10°3585			60§	25°7099	15°6047			64 1611 7°7	
8083				10	12°0542	10°6393			21	25°5838	16°2413				
8084	13	23°2466	22°3065	18	12°1189	10°1410			59§	25°7277	20°8123			65 1690 7°5	
8085				10	12°3967	10°9105			81§	25°8706	22°3690			65 1691 6°5	
8086	4*	25°0229	22°4280	16	13°9003	10°2001			61§	26°1431	22°1686			65 1693 6°8	
8087				10	3°7654	11°5712			45§	15°5791	26°9272			65 1654 8°2	
8088	4	16°2416	23°2858	14	5°1562	11°3689									
8089				4	5°7396	11°2596									
8090	10	17°1103	23°4946	20	6°0269	11°5416									
8091				4	6°3132	11°4222									
8092	14	18°4893	23°2445	20	7°3991	11°2422									
8093	5	18°7094	23°1054	16	7°6147	11°0992									
8094	4†	19°1198	23°0666	8	8°0201	11°0443									
8095	19	19°7853	23°9890	26§	8°7228	11°9407									
8096	14	19°8044	23°7446	22§	8°7324	11°7000									
8097				4	9°0603	11°1538									
8098				12	10°1143	11°5100									
8099				8	10°5727	11°0063									
8100				4	10°8732	11°4288									
8101				4	11°2014	11°4195									
8102				14	11°6426	11°0555									
8103				14	11°7097	11°5500									
8104	23	23°1943	23°8923	26§	12°1219	11°7265	65 1679 9°5								
8105	27	23°2756	23°4838	30§	12°1860	11°3110									
8106				10	12°4938	11°8373									
8107	24	23°8262	23°4297	28§	12°7402	11°2439									
8108				16	13°5174	11°5598									
8109	4	14°7460	24°3948	16	3°6965	12°5283									
8110	6	15°0389	24°3045	18	3°9922	12°4278									
8111	10	15°7943	24°2315	24§	4°7424	12°3273									
8112	4	16°3742	24°9184	14	5°3439	12°9908									
8113	4	17°7083	24°5447	14	6°6645	12°5720									
8114				10	7°6958	12°7777									
8115	5	19°6533	24°1188	12	8°5936	12°0793									
8116				4	9°3744	12°7115									
8117	4†	21°3133	24°7789	18	10°2753	12°6809									
8118				10	11°4564	12°4298									
8119	20	22°8040	24°5147	26§	11°7549	12°3600									
8120				6	12°6644	12°6075									
8121				12	12°9257	12°8192									
8122				6	12°9268	12°1427									
8123				22§	13°4047	12°3108									
8124	4†	14°7399	25°0200	18	3°7159	13°1508									
								R. A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup>							
Centre R. A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R. A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R. A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			
Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.				Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.			
8137	20	2°6479	14°8386	24§	14°0338	2°6590	64 1609 8°5	8137	20	2°6479	14°8386	24§	14°0338	2°6590	
8138	25	2°9649	14°9388	26†	14°3456	2°7719		8138	25	2°9649	14°9388	26†	14°3456	2°7719	
8139	47§	2°9671	14°8683	43§	14°3518	2°7022		8139	47§	2°9671	14°8683	43§	14°3518	2°7022	
8140				10	14°6976	2°6687		8140				10	14°6976	2°6687	
8141				18	16°1257	2°4093		8141				18	16°1257	2°4093	
8142				16	16°5448	2°4791		8142				16	16°5448	2°4791	
8143	4*	6°1206	14°2563	20	17°5229	2°2006		8143	4*	6°1206	14°2563	20	17°5229	2°2006	
8144	10†	6°2522	14°8528	22	17°6323	2°8037		8144	10†	6°2522	14°8528	22	17°6323	2°8037	
8145	24	6°4436	14°5664	31§	17°8370	2°5220		8145	24	6°4436	14°5664	31§	17°8370	2°5220	
8146				10	18°7863	2°6383		8146				10	18°7863	2°6383	
8147	4*	7°5373	14°6058	18	18°9251	2°6041			8147	4*	7°5373	14°6058	18	18°9251	2°6041
8148	28	8°9257	14°8985	29§	20°3038	2°9465	64 1614 9°5	8148	28	8°9257	14°8985	29§	20°3038	2°9465	
8149				6	20°9347	2°9353		8149				6	20°9347	2°9353	
8150	46§	9°7265	14°1187	46§	21°1346	2°1908	64 1617 8°1	8150	46§	9°7265	14°1187	46§	21°1346	2°1908	
8151				8	21°7444	2°6938		8151				8	21°7444	2°6938	
8152	4*	11°6592	14°7756	8	23°0364	2°9200		8152	4*	11°6592	14°7756	8	23°0364	2°9200	
8153				14†	24°3004	2°4858		8153				14†	24°3004	2°4858	
8154	4*	2°7228	15°4263	10	14°1057	3°2561		8154	4*	2°7228	15°4263	10	14°1057	3°2561	
8155	79§	2°9850	15°5199	80§	14°3447	3°3557	64 1611 7°7	8155	79§	2°9850	15°5199	80§	14°3447	3°3557	
8156				8	15°9199	3°9600		8156				8	15°9199	3°9600	
8157				14	16°2557	3°1139		8157				14	16°2557	3°1139	
8158	12	4°8912	15°3252	20§	16°2583	3°2248		8158	12	4°8912	15°3252	20§	16°2583	3°2248	
8159	12	5°8862	15°0906	22§	17°2581	3°0287		8159	12	5°8862	15°0906	22§	17°2581	3°0287	



## ZONE + 65°.

R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			
Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.				Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
8168	16	11°9808	15°2640	24§	23°3425	3°4198	° m.	8227				8	16°6550	7°7067	° m.
8169	40§	12°0875	15°1812	50§	23°4551	3°3411	64 1620 8.2	8228	10	6°0456	19°2518	14	17°2654	7°1978	
8170	40§	12°7514	15°8671	44§	24°0913	4°0494	64 1622 8.5	8229	8	6°0493	19°2498	16	17°2726	7°1915	
8171	6	12°9450	15°8473	19*	24°2850	4°0392		8230				10	17°2730	7°3736	
8172				14	14°1053	4°4788		8231	32	6°6831	19°2643	36§	17°9040	7°2294	65 1698 9.0
8173	16	2°8455	16°9701	28§	14°1515	4°7999		8232				6	17°9742	7°2379	
8174	22	2°9093	16°1666	28§	14°2439	3°9962		8233				8	18°4443	7°7064	
8175				8	14°3011	4°5928		8234				8	18°4734	7°7212	
8176				12	14°3183	4°2997		8235				6	18°7027	7°8191	
8177				4	14°5309	4°3687		8236				10	18°8157	7°0369	
8178				4	14°9000	4°0501		8237				14	19°9101	7°3800	
8179				12	15°0325	4°5899		8238				12	20°8591	7°2093	
8180				10	15°2251	4°1563		8239	12	9°8691	19°9275	18	21°0652	8°0006	
8181				6	17°7216	4°7703		8240				6	22°6793	7°5591	
8182	14	6°6773	16°1391	22§	18°0143	4°0999		8241	6†	12°2134	19°7301	17	23°4156	7°8904	
8183				8	20°3973	4°7665		8242				16	23°4494	7°7698	
8184	4*	10°2448	16°8018	17	21°5552	4°8987		8243				7	23°8834	7°7351	
8185				4	14°2658	5°6282		8244	12	13°0952	19°9071	25	24°2881	8°0998	
8186				4	14°5047	5°2734		8245				16	14°3844	8°3090	
8187				8	14°7646	5°0066		8246				4	14°3843	8°9005	
8188				4	14°8680	5°3492		8247	63§	3°3723	20°7152	68§	14°5452	8°5598	65 1690 7.5
8189				8	15°0199	5°8338		8248				12	16°0774	8°3214	
8190	6*	3°9913	17°3386	20	15°2841	5°2065		8249				16	16°2317	8°2482	
8191	16	4°1152	17°2976	26§	15°4147	5°1683		8250	10†	5°0939	20°7455	24§	16°2645	8°6501	
8192				6	16°6750	5°7666		8251	8†	6°2746	20°2284	20§	17°4643	8°1777	
8193				4	17°3008	5°5501		8252				4	17°6644	8°1511	
8194	28	7°8020	17°9904	32§	19°0689	5°9951	65 1703 9.5	8253	26	7°1065	20°5673	32§	18°2841	8°5466	65 1702 9.1
8195				6	22°4643	5°4186		8254	8†	7°8462	20°7037	14	19°0149	8°7088	
8196	16	12°1226	17°3357	23	23°4072	5°4983	65 1716 9.5	8255				4	19°1746	8°0545	
8197	44§	12°1400	17°0197	44§	23°4412	5°1799	65 1717 8.7	8256	8†	8°7433	20°5729	16	19°9163	8°6076	
8198	4*	13°1897	17°4140	9	24°4747	5°6144		8257	8	10°1416	20°1519	16	21°3323	8°2400	
8199				11	24°5072	5°8005		8258	76§	10°4411	20°9355	90§	21°6029	9°0357	65 1712 7.0
8200				12	14°7039	6°2594		8259	6†	11°1529	20°7443	14	22°3196	8°8632	
8201				10	14°7282	6°7045		8260	24	11°3865	20°2484	23§	22°5741	8°3802	65 1714 9.5
8202				10	15°1813	6°6499		8261				9	23°6747	8°7786	
8203				20	15°9023	6°7828		8262				7	24°3153	8°6351	
8204				14	16°9016	6°4976		8263	18	13°4744	20°2010	26	24°6603	8°4096	
8205				6†	17°2672	6°0611		8264				10	15°2318	9°6934	
8206				8	17°6585	6°6694		8265				10	15°5031	9°5428	
8207	4*	6°4616	18°5593	18	17°7096	6°5176		8266				14	16°7059	9°0780	
8208				10	18°0472	6°4668		8267	27	5°8386	21°3329	36§	16°9853	9°2649	65 1696 9.4
8209				8	18°7143	6°4510		8268	20	6°0629	21°5014	20§	17°2047	9°4406	
8210	4*	7°4798	18°7588	20	18°7224	6°7490		8269				12	17°3677	9°1851	
8211				10	19°0349	6°9701		8270	30	6°8110	21°9937	36§	17°9340	9°9599	65 1699 8.9
8212				10	19°1293	6°7700		8271				12	17°9595	9°4305	
8213				12	19°3959	6°7668		8272				12	18°0807	9°6511	
8214	6*	8°6279	18°6064	20	19°8722	6°6396		8273				10	18°1660	9°3903	
8215	12*	9°5966	18°9549	20	20°8295	7°0217		8274				6	18°7680	9°8892	
8216	60§	9°6379	18°2340	49§	20°8951	6°3058	65 1708 8.1	8275	52§	8°2783	21°2123	56§	19°4325	9°2312	65 1704 8.1
8217	26	10°1790	18°2248	28§	21°4356	6°3136	65 1710 9.5	8276	22	8°6859	21°4933	28§	19°8260	9°5260	65 1705 9.5
8218	4*	11°1195	18°8949	14	22°3527	7°0189		8277	8†	10°8367	21°0486	12	21°9935	9°1599	
8219	4*	11°4144	18°2610	14	22°6715	6°3993		8278				10	22°1654	9°6507	
8220	30	11°8416	18°0317	34§	23°1056	6°1807	65 1715 9.5	8279				10	22°5636	9°6600	
8221	22	13°5950	18°5909	23	24°8387	6°8062	65 1721 9.5	8280	12	12°2842	21°7811	18	23°4143	9°9415	
8222	23	3°1176	19°0454	30§	14°3464	6°8800	65 1688 9.3	8281	8†	12°6556	21°5722	14	23°7911	9°7460	
8223				14	14°3545	7°8895		8282				18	14°5207	10°8731	
8224				12	14°9358	7°5547		8283	94§	3°6237	22°2587	90§	14°7417	10°1096	65 1691 6.5
8225				4	16°1471	7°1644		8284				14	14°9051	10°8503	
8226				12	16°4757	7°2903		8285	60§	3°8840	22°0417	76§	15°0068	9°8999	65 1693 6.8

No. 8174, which is also measured on Plate 2950 at 25°5, 16'2, is not given in the B.D., but is given as No. 12685 in the *Helsingfors (A. G.) Catalogue*. Mag. 9.3.

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup> —contd.									R.A. 21 <sup>h</sup> 54 <sup>m</sup> to 22 <sup>h</sup> 3 <sup>m</sup> —contd.										
Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°					Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°						
Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.					Plate 1593. 1893, Nov. 12.				Plate 2777. 1895, Aug. 6.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
8286				12	15°1580	10°2000	°	m.	8345				17	23°2550	13°7765	°	m.		
8287				12	15°4285	10°6072			8346				14	23°3434	13°3436				
8288				12	18°9722	10°7164			8347	36	12°4693	25°6011	288	23°4628	13°7682	65 1718	9°		
8289	24	9°4012	22°9520	248	20°4860	11°0112	65 1707	9°5	8348				19	24°1245	13°8975				
8290				18	21°5242	10°4955							508	18°2775	1°4214	64 1613	7°0		
8291				12	21°6352	10°5719				588	1°1635	16°5153				64 1606	8°6		
8292				8	21°8683	10°3638				458	2°0409	16°3356				64 1608	8°9		
8293				10	22°3540	10°5755				678	2°0707	25°6556				65 1682	9°1		
8294				12	23°0389	10°0537				858	2°1830	25°7209				65 1683	8°5		
8295	30	12°9843	22°2720	378	24°0946	10°4590	65 1719	9°3		448	2°2991	25°7624				65 1684	8°9		
8296				10	14°2354	11°6298			R.A. 22 <sup>h</sup> 3 <sup>m</sup> to 22 <sup>h</sup> 12 <sup>m</sup>										
8297	12*	3°7153	23°9331	248	14°7731	11°7809			Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°						
8298				168	14°8157	11°0090			Plate 1593. 1893, Nov. 12.				Plate 2283. 1894, Oct. 14.						
8299	22	3°8700	23°1237	288	14°9535	10°9805	65 1692	9°5	8349	348	15°1457	14°9262	408	3°7256	2°9711	64° 1626	m.		
8300				6	15°4051	11°1376			8350				27	6°7055	2°7414		9°3		
8301				16	15°4340	11°3360			8351	728	19°8270	14°4131	838	8°3852	2°2910	64 1634	7°7		
8302				14	16°5251	11°5287			8352	8	21°1374	14°1737	14	9°6853	2°0059				
8303				8	16°7332	11°2209			8353	26	21°6847	14°6207	398	10°2530	2°4366				
8304				12	17°3029	11°0088			8354	10	23°7024	14°7200	24	12°2713	2°4616				
8305				10	17°4336	11°3008			8355	10†	24°2145	14°4792	25	12°7733	2°2006				
8306				14	17°4990	11°8975			8356	16	14°4361	15°9469	14†	3°0545	4°0186				
8307				4	18°3977	11°8813			8357	8	15°3050	15°6661	10	3°9115	3°7079				
8308	18	7°3511	23°8873	248	18°4054	11°8714			8358	32	18°0944	15°2941	348	6°6861	3°2364				
8309				12	18°7053	11°6013			8359	10†	20°2530	15°1193	12	8°8377	2°9814				
8310				10	18°9194	11°1747			8360	368	21°3247	15°3180	428	9°9148	3°1415	64 1635	9°4		
8311				8	19°0053	11°9530			8361	20	17°4736	16°0006	18	6°0928	3°9622	64 1631	9°5		
8312				6	23°5207	11°3744			8362	12	17°5767	16°3744	22	6°2103	4°3334				
8313				12	24°1845	11°1713			8363				8	11°3954	4°0815				
8314	488	13°5132	23°5264	538	24°5798	11°7330	65 1720	8°6	8364	12	23°0355	16°4092	24	11°6648	4°1711				
8315	6*	13°5194	22°7996	16	24°6067	11°0088			8365				14	11°7204	4°6000				
8316	6	13°9864	23°5501	18	25°0527	11°7726			8366	31	23°3537	16°8567	18	12°0001	4°6097	65 1735	9°5		
8317				12	15°3904	12°7210			8367	12†	14°2502	17°5581	11	2°9258	5°6388				
8318	7*	6°4780	24°1900	22	17°5192	12°1408	65 1697	9°5	8368				7†	3°6696	5°3639				
8319	4*	6°5027	24°1725	16	17°5479	12°1223	65 1700	9°3	8369	12	22°8243	17°1478	22	11°4821	4°9197	65 1733	9°5		
8320	37	6°8846	24°2795	408	17°9252	12°2454			8370	21†	24°4735	17°1926	288	13°1323	4°9039				
8321				10	18°1152	12°3878			8371	398	24°5921	17°6120	468	13°2636	5°3184	65 1737	9°1		
8322				8	18°5451	12°9784			8372	8	15°1388	18°6783	11	3°8554	6°7244				
8323				12	19°2495	12°6921			8373	8†	15°6901	18°3629	16	4°3960	6°3900				
8324				4	19°6251	11°9817			8374	6*	17°2365	18°1210	18	5°9327	6°0929				
8325	6*	8°6824	24°7512	16	19°7051	12°7816			8375	6*	17°3857	18°8891	13	6°1103	6°8547				
8326				10	19°9560	12°9500			8376				12	7°3414	6°4433				
8327				14	21°6895	12°2494			8377	14	18°6561	18°3203	24	7°3566	6°2385				
8328				12	23°5124	12°5294			8378	6†	20°1960	18°7061	18	8°9124	6°5701				
8329				13	23°9420	12°6393			8379				20	12°2556	6°0197				
8330				16	24°4360	12°6004			8380				16	13°4801	6°5038				
8331	10†	13°5292	24°6296	23	24°5539	12°8385			8381	10†	15°2826	19°3196	21	4°0231	7°3597				
8332				12	14°3950	13°5466			8382	20	15°6655	19°6895	28	4°4204	7°7179	65 1723	9°5		
8333				6	15°0368	13°1990			8383	6*	16°2058	19°3676	10	4°9439	7°3721				
8334				4†	15°4192	13°1511			8384				18	6°9506	7°5616				
8335	26	5°4800	25°5155	308	16°4786	13°4305	65 1695	9°5	8385	10	19°0320	19°3105	19	7°7657	7°2131				
8336				14	16°8543	13°4496			8386				14	8°3470	7°2605				
8337				8	18°0086	13°6916			8387	20	21°4726	19°7128	288	10°2214	7°5321	65 1731	9°2		
8338	6*	7°9177	25°5540	18	18°9131	13°5598			8388				14	10°8834	7°6836				
8339				8	19°5551	13°6121			8389	9	22°8542	19°9176	20	11°6082	7°6896				
8340				8	19°8076	13°1323			8390				9	11°7653	7°7101				
8341				14	21°8019	13°7200													
8342				12	21°8724	13°0170													
8343				8	22°1949	13°3091													
8344				10	22°2152	13°8376													

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.



## ZONE + 65°.

R.A. 22 <sup>h</sup> 3 <sup>m</sup> to 22 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 21 <sup>m</sup>									
Centre R.A. 22 <sup>h</sup> 3 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°					Centre R.A. 22 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°					
Plate 1593. 1893, Nov. 12.				Plate 2283. 1894, Oct. 14.					Plate 2831. 1895, Sept. 9.				Plate 2283. 1894, Oct. 14.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
8391	29	23°9843	19°3254	32§	12°7164	7°0513	65° 1736	m.	8441				4†	15°8282	2°6800		m.	
8392	16	15°6207	20°5010	25§	4°4039	8°5300			8442	18	5°7324	14°6484	18	17°1137	2°5326			
8393	6†	16°9355	20°0671	14†	5°7043	8°0457			8443	12	6°3604	14°7566	12	17°7395	2°6609			
8394	10	18°5407	20°7402	20	7°3303	8°6614			8444	48§	7°2530	15°4932	49§	18°6041	3°4308	64 1645	8.3	
8395	6*	20°0667	20°4277	18	8°8439	8°2933			8445	20	7°8499	15°8772	20	19°1849	3°8386			
8396				10	9°2354	8°1097			8446	10	9°6769	15°0181	12*	21°0425	3°0407			
8397	25	21°8749	20°1487	30	10°6390	7°9507	65 1732	9'5	8447	16	11°4039	15°9131	23	22°7341	3°9986			
8398	6*	22°1146	20°9246	20	10°9057	8°7173			8448	22	2°9997	16°6993	30§	14°3106	4°4881	64 1638	9'5	
8399				10	11°9174	8°0122			8449	8	8°7373	16°9220	8	20°0353	4°9167			
8400	10	24°5987	20°5196	24§	13°3736	8°2252	65 1738	9'5	8450	30§	10°3743	16°3105	35§	21°6931	4°3637	64 1650	9'5	
8401	33	24°8735	20°2848	32§	13°6417	7°9807	65 1739	9'5	8451	26§	13°6258	16°3180	32	24°9426	4°4885	64 1655	9'5	
8402	10	15°2408	21°0854	18	4°0448	9°1271			8452	10	2°9545	17°4574	14	14°2354	5°2421			
8403				7	7°2757	9°5815			8453	10	4°8938	17°8284	10	16°1569	5°6827			
8404	20	19°1777	21°9514	22§	8°0109	9°8502			8454	36§	5°0256	17°8220	36§	16°2936	5°6808	65 1743	9'2	
8405	12	19°5381	21°6906	20	8°3588	9°5770			8455				8	18°1925	5°0759			
8406	10	19°5974	21°4673	20	8°4092	9°3499	65 1727	9'5	8456				7†	22°5088	5°6518			
8407	6*	20°6100	21°8250	14	9°4331	9°6694			8457	5*	3°3231	18°4008	8†	14°5689	6°1991			
8408				14	9°5578	9°5432			8458				12	15°7672	6°8091			
8409				14	6°5149	10°7030			8459				8†	16°2325	6°4453			
8410	10*	17°8958	22°5545	22	6°7514	10°4972			8460	46§	5°5707	18°8465	46§	16°8032	6°7247	65 1745	8'7	
8411	10*	20°6930	22°5987	18	9°5490	10°4434			8461	12	5°9450	18°1305	12†	17°2038	6°0212			
8412				10	13°2054	10°6408			8462	18	7°3064	18°3859	21	18°5548	6°3268	65 1750	9'5	
8413	16	15°7659	23°1283	24	4°6425	11°1497	65 1724	9'5	8463	14	8°1172	18°9386	14	19°3447	6°9083			
8414				13	6°3742	11°2787			8464				7†	20°1113	6°3291			
8415				14	6°6712	11°4299			8465				8†	20°1936	6°6779			
8416	16	18°2161	23°0299	14*	7°0876	10°9638			8466	14	9°3493	18°3194	16	20°5954	6°3384			
8417	46§	18°2755	23°7785	48§	7°1793	11°7109	65 1726	8'4	8467	12	13°6557	18°1097	15	24°9105	6°2791	65 1762	9'5	
8418	14	18°6839	23°3837	26	7°5657	11°2974			8468				8	15°8007	7°3152			
8419				20	7°9389	11°7406			8469	40§	5°1256	19°6385	40§	16°3315	7°4996	65 1744	9'2	
8420	58§	19°5630	23°7829	70§	8°4637	11°6698	65 1728	7'9	8470	4*	7°3217	19°9520	8	18°5141	7°8908			
8421				14	8°8416	11°1378			8471				8	19°4131	7°2257			
8422	21	22°6387	23°5586	24§	11°5274	11°3307	65 1734	9'5	8472				8	20°2389	7°3769			
8423				14	11°6548	11°4670			8473	20	12°2338	19°0013	26	23°4536	7°1173			
8424	9*	23°4742	23°1271	20	12°3451	10°8692			8474	30§	12°5983	19°6788	35§	23°7949	7°8096	65 1761	9'3	
8425				8	12°5296	10°9904			8475	10	3°0251	20°7258	10	14°1876	8°5134			
8426				6	13°1246	11°1184			8476	10	3°2139	20°7120	14	14°3763	8°5087			
8427	17	21°0695	24°3014	26§	9°9853	12°1303			8477				10	14°5064	8°4393			
8428				10	10°1684	12°7995			8478	21	4°6535	20°6982	22	15°8160	8°5409			
8429				18	10°8053	12°1138			8479	20	9°0668	20°1602	19	20°2488	8°1674	65 1755	9'5	
8430				12	10°9631	12°9403			8480	6†	9°0736	20°0093	10	20°2639	8°0105			
8431				8	11°9253	12°4101			8481	4*	9°2983	20°9126	11	20°4538	8°9195			
8432				10	12°6649	12°7688			8482	7	5°2942	21°8994	14	16°4151	9°7693			
8433				12	13°2748	12°4685			8483	82§	5°6167	21°5774	82§	16°7514	9°4555	65 1746	7'0	
8434				14	13°5755	12°2796			8484	34§	5°7948	21°7764	32§	16°9234	9°6607	65 1747	9'4	
8435				13	3°3437	13°2877			8485	10	8°6975	21°8277	14	19°8187	9°8167			
8436	10*	15°3118	25°7541	22	4°2827	13°7908			8486	8	9°4083	21°9029	12	20°5255	9°9176			
8437				12	6°6544	13°1002			8487	12	10°2125	21°2405	17	21°3551	9°2841			
8438				10	6°9511	13°9407			8488				7	21°9517	9°3289			
8439	54§	20°5053	25°6801	48§	9°4733	13°5294	65 1730	8'8	8489	12	12°7014	21°6869	15	23°8248	9°8180			
8440				6	12°3728	13°4862			8490	26§	13°8824	21°8245	30§	25°0026	9°9977	65 1763	9'2	
				47§	1°3677	4°0007	64 1622	8'5	8491	5*	4°0317	23°0172	8	15°1125	10°8390			
				48§	2°4065	11°6287	65 1720	8'6	8492	16	7°3844	22°5709	16	18°4832	10°5096	65 1751	9'5	
									8493	6†	8°2871	23°5896	8	19°3497	11°5610			
									8494				10	20°0854	11°3415			
									8495				8	20°5101	11°6298			
									8496	38§	10°3143	23°4807	34§	21°3753	11°5289	65 1758	8'5	
									8497	10	12°2632	23°6543	11	23°3153	11°7686			
									8498	10	5°9130	24°8796	16	16°9266	12°7673			
									8499	34§	7°4260	24°0684	32§	18°4673	12°0100	65 1752	9'4	

## ZONE + 65°.

R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 21 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 21 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 22 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			
Plate 2831. 1895, Sept. 9.				Plate 2283. 1894, Oct. 14.				Plate 2831. 1895, Sept. 9.				Plate 2859. 1895, Sept. 19.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
8500				8	18°58'51	12°15'20	° m.	8549	10†	24°43'29	20°9'445	10	13°32'11	8°7'149	° m.
8501	10	12°9'504	24°4'186	14	23°9'772	12°5'579		8550	8	17°8'649	21°8'643	8	6°7'913	9°8'713	
8502	9†	3°5'977	25°6'102	16	14°5'854	13°4'197		8551	16	21°1'443	21°2'474	14	10°0'438	9°1'362	
8503				5	15°7'781	13°4'209		8552	8	22°1'148	21°7'390	8	11°0'331	9°5'944	
8504	10†	4°8'585	25°5'016	16	15°8'488	13°3'489	65 1742 9'4	8553	26	24°3'740	21°0'140	22	13°2'671	8°7'841	65 1779 9'5
8505				8	17°5'555	13°4'773		8554	36§	14°1'411	22°8'976	36§	3°1'051	11°0'335	65 1765 9'0
8506				8†	18°0'437	13°5'277		8555	12	17°4'071	22°0'942	12	6°3'422	10°1'171	
8507				6	18°8'637	13°5'021		8556	34§	17°5'952	22°2'780	30§	6°5'355	10°2'938	65 1769 9'4
8508	50§	8°8'922	25°0'085	58§	19°9'027	13°0'010	65 1754 8'0	8557	42§	14°0'391	23°7'561	36§	3°0'339	11°8'981	65 1764 9'0
8509	10	11°4'928	25°7'901	14	22°4'738	13°8'787		8558	14	15°0'497	23°2'050	14	4°0'246	11°3'136	
				40§	25°0'906	11°9'336	65 1764 9'0	8559	7†	15°3'142	23°9'888	6	4°3'206	12°0'819	
				36§	25°2'236	11°0'789	65 1765 9'0	8560	24	16°5'968	23°1'389	24	5°5'693	11°1'918	
	34§	1°9'832	17°5'664				65 1737 9'1	8561	14	23°2'281	23°6'249	14	12°2'126	11°4'318	
R.A. 22 <sup>h</sup> 21 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup>								8562	7†	23°2'763	23°7'794	8	12°2'693	11°5'877	
Centre R.A. 22 <sup>h</sup> 21 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				8563	20	23°7'066	23°9'865	22§	12°7'046	11°7'802	
Plate 2831. 1895, Sept. 9.				Plate 2859. 1895, Sept. 19.				8564	12	24°7'735	23°5'981	14	13°7'554	11°3'559	
8510	10	21°4'261	13°9'912	8	10°0'696	1°8'763	° m.	8565	20	15°4'816	24°4'882	18	4°5'026	12°5'777	
8511	16	15°6'199	14°3'099	18	4°2'745	2°3'996		8566	12	19°6'262	24°4'572	10	8°6'438	12°4'000	
8512	18	16°0'275	14°3'476	19	4°6'850	2°4'221		8567	20	19°7'137	24°2'475	20	8°7'247	12°1'852	65 1772 9'5
8513	62§	16°3'508	14°2'023	57§	5°0'034	2°2'682	64 1662 8'8	8568				10	12°7'857	11°9'898	
8514	34§	17°0'618	14°9'795	31	5°7'399	3°0'177	64 1663 9'4	8569	8	17°2'932	25°4'727	8	6°3'497	13°4'945	
8515	20	18°2'318	14°3'504	20	6°8'873	2°3'451	64 1667 9'3	8570				5	7°8'016	13°0'826	
8516	14	18°8'130	14°0'100	10	7°4'555	1°9'870		8571	30	18°8'726	25°1'456	22	7°9'168	13°1'137	65 1770 9'0
8517	16	20°4'910	14°1'523	10	9°1'382	2°0'714		8572	22	19°5'652	25°9'895	18	8°6'385	13°9'340	
8518	26§	21°8'895	14°1'449	30	10°5'356	2°0'112		8573	10	20°1'298	25°8'921	12	9°1'952	13°8'096	
8519	18	22°1'777	14°3'483	12	10°8'300	2°2'060	64 1674 9'4	8574	23	20°1'651	25°3'108	18	9°2'129	13°2'332	
8520	18	18°1'961	15°3'468	16	6°8'900	3°3'419		8575	57§	20°7'987	25°6'309	50§	9°8'544	13°5'302	65 1774 8'0
8521	26§	18°8'761	15°2'611	26	7°5'673	3°2'315	64 1670 9'5	8576	43§	21°6'230	25°4'740	40§	10°6'744	13°3'412	65 1776 8'6
8522	18	22°4'059	15°6'323	16	11°1'075	3°4'790	64 1676 9'5					26§	5°0'021	1°9'537	64 1661 9'0
8523	6	14°9'801	16°8'489	9†	3°7'293	4°9'623						45§	6°2'823	1°4'722	64 1665 8'5
8524	38§	17°1'537	16°7'793	34§	5°8'968	4°8'115	65 1768 9'3					34	7°0'305	1°0'147	64 1668 9'2
8525	28	18°1'280	16°3'257	30	6°8'552	4°3'263	64 1666 9'5	58§	26°0'121	17°9'865		39§	11°4'552	1°3'520	64 1677 8'9
8526	8	20°7'946	16°0'597												65 1782 7'2
8527	20	24°2'059	16°0'462	22	12°9'184	3°8'263		R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 39 <sup>m</sup>							
8528	11	24°8'667	16°7'426	12	13°6'047	4°5'040		Centre R.A. 22 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			
8529	38§	15°9'761	17°5'562	35§	4°7'479	5°6'353	65 1766 9'3	Plate 2835. 1895, Sept. 10.				Plate 2859. 1895, Sept. 19.			
8530	6	16°5'126	17°9'077	8†	5°2'965	5°9'648		8577	14	4°9'756	14°4'952	8	16°4'134	2°3'825	° m.
8531	10	17°3'421	17°4'503	8	6°1'064	5°4'777		8578	10	9°4'732	14°8'279				
8532	6	19°4'350	17°5'492	6	8°2'056	5°5'035		8579	16	9°6'637	14°0'120	10*	21°1'136	2°0'639	
8533	8	20°0'537	18°4'984	8	8°8'573	6°4'278		8580	8	9°9'254	14°9'693				
8534	10	21°6'968	18°7'439	10	10°5'073	6°6'123		8581	14	9°9'628	14°4'679				
8535	18	22°3'855	18°5'390	18	11°1'895	6°3'892		8582	8	11°5'937	14°4'195				
8536	10	23°0'437	18°8'847	12	11°8'565	6°7'030		8583	10	12°2'954	14°7'521				
8537	14	16°0'782	19°5'395	16	4°9'220	7°6'093		8584	26§	3°6'402	15°1'410	24	15°0'533	2°9'808	64 1683 9'4
8538	12	21°6'330	19°0'522	10	10°4'545	6°9'273		8585	12	6°4'844	15°6'952	8†	17°8'787	3°6'314	
8539	38	21°7'937	19°2'825	32	10°6'209	7°1'529	65 1775 9'3	8586	20	7°0'041	15°3'710	18	18°4'103	3°3'261	
8540	11	23°4'281	19°2'099	10	12°2'549	7°0'178		8587	12	9°6'118	15°2'558	4†	21°0'144	3°3'034	
8541	12	23°9'222	19°6'275	14	12°7'635	7°4'166	65 1777 9'4	8588	16	10°1'234	15°5'672	14	21°5'176	3°6'347	
8542	46§	24°6'048	19°9'665	38§	13°4'585	7°7'311	65 1780 8'7	8589	10	10°2'650	15°0'378				
8543	12	14°5'544	20°8'009	20	3°4'431	8°9'264		8590	12	12°9'845	15°8'010				
8544	14	14°8'185	20°5'066	12	3°6'981	8°6'224		8591	12	13°0'896	15°3'512				
8545	22	16°4'344	20°1'678	20	5°3'022	8°2'247	65 1767 9'5	8592	16	4°8'948	16°1'479	14	16°2'733	4°0'298	
8546	6	20°1'203	20°8'180	8†	9°0'031	8°7'421		8593	8†	4°9'234	16°3'172				
8547	20	23°1'490	20°6'335	14	12°0'246	8°4'526		8594	26§	5°5'928	16°9'196	28	16°9'433	4°8'235	
8548				8	13°6'792	8°4'492		8595	10	7°5'111	16°2'243				
								8596	17§	10°1'648	16°6'072	20	21°5'233	4°6'740	64 1693 9'5

1 réseau interval represents very nearly 5' = 47°·3 of R.A. at Dec. + 65°, and 49°·2 at Dec. + 66°.



## ZONE + 65°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 39 <sup>m</sup> — <i>contd.</i>									R.A. 22 <sup>h</sup> 39 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup>								
Centre R.A. 22 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°						Centre R.A. 22 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°					
Plate 2835. 1895, Sept. 10.			Plate 2859. 1895, Sept. 19.						Plate 2835. 1895, Sept. 10.			Plate 2837. 1895, Sept. 10.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
8597	20	11°0036	16°6191	20	22°3600	4°7147		m.	8652	22	14°5640	14°4293	24	3°1635	2°6106		m.
8598	10	12°8039	16°5904						8653	44§	15°2652	14°5437	51§	3°8673	2°6981	64 1705	8.9
8599	56§	3°4744	17°8708	48§	14°7929	5°7052	65 1782	7.2	8654	14	17°0640	14°8749					
8600	24	9°0894	17°9991	19	20°3983	6°0263			8655	40§	17°4652	14°4388	44§	6°0658	2°5108	64 1709	9.2
8601	10	10°2511	17°8449	8	21°5634	5°9142			8656	16	21°8125	14°9313	18	10°4242	2°8496		
8602	18	10°9738	17°0608	21	22°3132	5°1561			8657	20	22°7272	14°0067	18	11°3087	1°8892		
8603	18	11°8889	17°5940	22	23°2128	5°7211	65 1795	9.2	8658	8	14°1367	15°5996	8*	2°7836	3°7953		
8604	12	7°4978	18°7479	4†	18°7834	6°7173			8659	66§	14°2249	15°8466	67§	2°8767	4°0331	64 1702	7.3
8605	22	8°0528	18°9238	10	19°3290	6°9152			8660	22	15°9270	15°0204	21	4°5507	3°1501		
8606	26	9°6355	18°3743	26	20°9314	6°4231	65 1790	9.3	8661	6	16°7810	15°2968					
8607	16	10°6530	18°5655	14	21°9307	6°9420			8662	22	17°2049	15°0642	20	5°8261	3°1493		
8608	14	12°5448	18°1249	14	23°8470	6°2749			8663	10	17°5746	15°9301	8*	6°2267	4°0000		
8609	20§	13°8617	18°6172	15	25°1471	6°8131			8664	10	21°1602	15°8712	16	9°8078	3°8109		
8610	20§	7°3931	19°9367	16	18°6349	7°9007			8665	28§	21°6622	15°1588	28§	10°2869	3°0792		
8611	28§	9°7331	19°0934	26	21°0036	7°1441	65 1792	9.4	8666	8	22°4427	15°8775	6†	11°0928	3°7710		
8612	44§	10°2738	19°0491	40§	21°5452	7°1200	65 1794	9.0	8667	8	23°5074	15°6301	6†	12°1498	3°4844		
8613	12	10°9283	19°0003	8	22°2002	7°0948			8668	8	14°2992	16°2955	8†	2°9735	4°4850		
8614	20	12°8841	19°8499	17	24°1270	8°0100			8669	16	15°3056	16°8088	10	3°9966	4°9575		
8615	10	13°8457	19°6921						8670	20	15°4408	16°7628	17	4°1278	4°9097		
8616	42§	6°4389	20°9649	42§	17°6464	8°9005	65 1786	8.2	8671	12	16°0726	16°2340	12†	4°7405	4°3577		
8617	20	6°5538	20°2604	14	17°7811	8°1972	65 1787	9.5	8672	10	16°2098	16°9283	8	4°9038	5°0495		
8618	12	6°5646	20°8930	10	17°7744	8°8301			8673	20	16°6860	16°2599	20	5°3577	4°3607		
8619	10	8°9808	20°8624	10*	20°1918	8°8839			8674	16	17°0647	16°2590	14	5°7333	4°3454		
8620	6	9°3561	20°8158						8675	16	17°7751	16°4703	16	6°4521	4°5355	64 1710	9.5
8621	30§	9°7133	20°7799	34	20°9234	8°8285	65 1791	9.4	8676	10	19°6454	16°2910	10	8°3139	4°2873		
8622	12	11°2260	20°4966	8	22°4521	8°5961			8677	38§	19°7352	16°1650	38§	8°3989	4°1548	64 1715	9.2
8623	18	13°8210	20°9843	13	25°0228	9°1754			8678	10	21°0645	16°2179	6*	9°7264	4°1580		
8624				8	14°8859	9°6022			8679	24§	23°4235	16°6199	26§	12°0990	4°4779		
8625	14	6°0733	21°5775	10	17°2587	9°5005			8680	32§	15°8562	17°1451	24	4°5581	5°2792	65 1800	9.4
8626	68§	8°8224	21°4752	70§	20°0081	9°4932	65 1789	6.8	8681	10	16°0550	17°1278	12	4°7546	5°2500		
8627	20	10°7253	21°9048	18	21°8978	9°9883			8682	6	16°1281	17°7837					
8628	10	11°4316	21°1394	8	22°6297	9°2495			8683	12	16°5827	17°1528	13	5°2840	5°2598		
8629	10	11°4950	21°0999						8684	10	16°7659	17°8595	8*	5°4929	5°9561		
8630	18	13°8343	21°1997	14	25°0266	9°3919			8685	18	17°2432	17°2206	22	5°9438	5°3000		
8631	40§	5°0326	22°9021	42§	16°1732	10°7876	65 1783	8.5	8686	12	17°4240	17°0349	10	6°1162	5°1079		
8632	16§	7°5324	22°2281	14	18°6917	10°1967			8687	18	17°7586	17°4388	18	6°4663	5°5006		
8633	16	10°9338	22°5301	10	22°0806	10°6214			8688	14	17°8281	17°0989	14	6°5263	5°1592		
8634	14	11°5378	22°1726	16	22°6975	10°2815			8689	6	19°5662	17°4494	6*	8°2738	5°4469		
8635	34§	13°4647	22°8993	23	24°5974	11°0807	65 1798	9.4	8690	6	21°5676	17°0791	4*	10°2630	5°0060		
8636	48§	5°0475	23°7803	50§	16°1559	11°6623	65 1784	8.2	8691	24§	15°2472	18°2702	23§	3°9869	6°4219	65 1799	9.3
8637	26	7°4785	23°7014	20	18°5887	11°6692			8692	18	16°1744	18°4900	16	4°9193	6°6056		
8638	12	8°1247	23°8502	8	19°2286	11°8400			8693	10	17°6143	18°4787	10	6°3622	6°5458		
8639	10	12°1878	23°1610	10	23°3164	11°2950			8694	10	19°9546	18°0220	10	8°6796	6°0042		
8640	10	5°2151	24°8898	8	16°2816	12°7802			8695	22§	21°0154	18°8506	22§	9°7724	6°7958		
8641	13	5°7254	24°3112	8	16°8150	12°2196			8696	10	14°8159	19°6078	12	3°6115	7°7754		
8642	16	11°8855	24°6105	7	22°9622	12°7339			8697	10	14°8552	19°4302	8†	3°6362	7°5984		
8643	6	12°4918	24°1283						8698	12	16°8660	19°5921	10	5°6551	7°6865		
8644	16	3°3293	25°9124	10	14°3629	13°7318			8699	6	17°1867	19°0487	4†	5°9555	7°1331		
8645	20	4°7557	25°4578	14	15°8063	13°3298			8700	6	18°5346	19°4570	6*	7°3183	7°4889		
8646	20	9°5947	25°3400	18	20°6448	13°3821			8701	8	19°0008	19°0609	8†	7°7684	7°0779		
8647	20	10°4837	25°2962	20	21°5351	13°3679			8702	20§	20°8972	19°3149	16§	9°6722	7°2635		
8648	52§	12°1153	25°8399	50§	23°1458	13°9704	65 1796	7.1	8703	36§	21°1878	19°1305	38§	9°9557	7°0693	65 1808	9.2
8649	8	12°3222	25°9284						8704	30§	21°3269	19°0379	24§	10°0929	6°9690		
8650	8	13°0228	25°8294	4	24°0518	13°9897			8705	8	21°3711	19°5584	10	10°1568	7°4865		
8651	26	13°1758	25°0897	20	24°2347	13°2584			8706	12	21°3722	19°5428	14	10°1538	7°4710		
									8707	46§	22°1048	19°5923	50§	10°8851	7°4981	65 1811	8.3
				46§	26°6928	2°7892	64 1705	8.9	8708	8	16°2759	20°0364	6	5°0837	8°1490		
				72§	25°6097	4°0527	64 1702	7.3	8709	12	16°3120	20°5006	12	5°1325	8°6106		
				20	26°5425	6°5142	65 1799	9.3	8710	22	18°7362	20°5160	22	7°5589	8°5387	65 1806	9.5
	42§	2°2127	19°9467				65 1780	8.7									

1 réseau interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 22 <sup>h</sup> 39 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>									R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 22 <sup>h</sup> 39 <sup>m</sup> Dec. + 65°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°						Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°					
Plate 2835. 1895, Sept. 10.			Plate 2837. 1895, Sept. 10.						Plate 1613. 1893, Nov. 22.			Plate 2837. 1895, Sept. 10.					
No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.	
							No.	Mag.								No.	Mag.
8711	8	20°4866	20°0788	8*	9°2892	8°0406	°	m.	8760	30§	9°8360	15°0078	35§	21°2333	3°1471	64°1737	m.
8712	26§	21°6000	20°2395	24§	10°4072	8°1610			8761	18	10°4853	15°9971	19	21°8449	4°1570		8°9
8713	22§	21°8261	20°7445	22§	10°6512	8°6595			8762	10	11°3009	15°6465	12	22°6742	3°8351		
8714	10	21°8669	20°1781	10	10°6754	8°0907			8763	12	12°8793	15°4213	17	24°2563	3°6672	64°1742	9°5
8715	24	23°4590	20°9642	22	12°2882	8°8192			8764	10	13°0260	15°0703	11*	24°4168	3°3246		
8716	4	15°0235	21°9023						8765	6*	7°5095	16°3375	8	18°8608	4°3928		
8717	10	15°0453	21°1339	8	3°8888	9°2892			8766				10	15°2116	5°5856		
8718	4	17°7780	21°8492	6†	6°6465	9°9071			8767	16	6°6813	17°6705	10	17°9861	5°6981		
8719	18	18°5621	21°4377	12	7°4150	9°4683			8768	10	12°5809	17°6476	12†	23°8803	5°8799		
8720	12	20°3268	21°0267	10	9°1637	8°9927			8769	8	3°2746	18°4588	14	14°5559	6°3645		
8721	14	20°9551	21°8055	20	9°8200	9°7481			8770				10	19°5191	6°7225		
8722	26	21°3973	21°4094	24§	10°2473	9°3393	65 1809	9°2	8771				8	19°8208	6°6737		
8723	14	23°4158	21°9615	12	12°2821	9°8190			8772	10	8°6473	18°2278	16	19°9267	6°3233		
8724	10	15°5655	22°5308	10	4°4620	10°6690			8773	18	2°7724	19°5131	20	14°0120	7°4016		
8725	24§	16°3650	22°9608	30§	5°2764	11°0720	65 1802	9°4	8774	46§	2°8748	19°8504	46§	14°1019	7°7390	65 1821	8°6
8726	34§	16°5437	22°0647	32§	5°4223	10°1692	65 1803	9°0	8775	16	3°1139	19°1861	18	14°3645	7°0859		
8727	42§	17°7873	22°4993	42§	6°6798	10°5549	65 1804	9°0	8776	13	3°8190	19°6609	18	15°0522	7°5870		
8728	36§	18°6757	22°8907	36§	7°5794	10°9186	65 1805	8°6	8777	14	4°8852	19°4007	18	16°1287	7°3589		
8729	34§	20°4748	22°4304	32§	9°3633	10°3913	65 1807	9°4	8778	14	5°9830	19°2106	20§	17°2284	7°2129		
8730	24§	20°8251	22°6769	22§	9°7215	10°6251			8779	10	11°8210	19°1803	16	23°0680	7°3873		
8731	42§	22°1252	22°2607	46§	11°0024	10°1629	65 1812	9°0	8780	10	13°0966	19°3238	20	24°3350	7°5757		
8732	138§	22°7943	22°2127	146§	11°6712	10°0890	65 1814	3°8	8781	16	4°4336	20°3154	22§	15°6440	8°2575		
8733	18§	14°0901	23°1705	18	3°0069	11°3597			8782	6	8°7851	20°4973	10	19°9871	8°5923		
8734	4	16°2774	23°7576	4*	5°2179	11°8716			8783	42§	9°7450	20°1384	46§	20°9620	8°2713	65 1836	8°5
8735	8	16°4102	23°0205	4*	5°3224	11°1312			8784	10	11°7673	20°4981	16	22°9677	8°6998		
8736	10	17°2004	23°9508	10	6°1446	12°0257			8785	10	13°2751	20°1814	14	24°4839	8°4392		
8737	24	21°0633	23°3700	22§	9°9832	11°3049			8786	28	5°1138	21°0063	32§	16°2995	8°9748	65 1828	9°3
8738	12	21°4529	23°1712	12	10°3670	11°0976			8787				14	16°3184	9°8863		
8739	29	22°6211	23°0212	26§	11°5272	10°9051			8788	20	7°4818	21°5684	22	18°6477	9°6206	65 1831	9°5
8740	42§	24°4118	23°0866	34§	13°3216	10°9053	65 1819	9°2	8789	10	9°0267	21°1808	16	20°2056	9°2876		
8741	22	14°6058	24°8895	24§	3°5873	13°0598			8790	8†	10°7325	21°8490	12	21°8833	10°0103		
8742	24	15°8798	24°5652	24§	4°8471	12°6895			8791	22	13°7770	21°6476	34§	24°9355	9°9169	65 1839	9°4
8743	16	18°5017	24°5870	14	7°4681	12°6154			8792	8*	3°3953	22°5102	14	14°5300	10°4158		
8744	43§	24°5004	24°3120	34§	13°4511	12°1266	65 1820	9°2	8793	8	10°9962	22°9635	16	22°1075	11°1367		
8745	14	14°5716	25°1968	12	3°5651	13°3704			8794	12†	12°4141	22°5482	12	23°5434	10°7717		
8746	20	15°8312	25°2003	22	4°8233	13°3288			8795	10†	12°7584	22°7101	13	23°8792	10°9466		
8747	40§	16°2538	25°6108	38§	5°2568	13°7206	65 1801	9°3	8796	16	5°5544	23°3906	22	16°6554	11°3759		
8748	48§	23°9256	25°0182	40§	12°9038	12°8506	65 1816	9°1	8797	7	6°6925	23°6264	16	17°7849	11°6497		
8749	25	24°1403	26°0177	24	13°1529	13°8452			8798	42§	7°7066	23°4435	40§	18°8050	11°4990	65 1832	9°1
									8799	6*	8°7984	23°0261	10	19°9090	11°1199		
	47§	25°3085	19°9521				65 1821	8°6	8800	26	9°7012	23°5413	34§	20°7960	11°6706	65 1835	9°4
	69§	26°7431	25°7910				65 1827	9°0	8801	18	13°7233	23°1008	24	24°8326	11°3720		
	94§	22°5747	26°4147				65 1813	7°0	8802	22	4°5051	24°3654	32	15°5752	12°3061	65 1825	9°4
R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup>									8803				14	15°6350	12°4168		
Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°						8804	43§	7°3713	24°6224	44§	18°4317	12°6685	65 1830	8°6
Plate 1613. 1893, Nov. 22.			Plate 2837. 1895, Sept. 10.						8805				10	19°9433	12°4256		
8750	16	13°3881	13°9916	19†	24°8174	2°2531	°	m.	8806	10*	9°1159	24°2949	14	20°1840	12°4016		
8751	10	5°2286	14°3203	12	16°6485	2°2973			8807				10	21°4466	12°6400		
8752	14	5°4163	14°8969	20	16°8190	2°8786			8808	12*	10°4627	24°3502	16	21°5306	12°5033		
8753	44§	13°8850	14°4151	58§	25°3000	2°6982	64 1743	8°5	8809				26	14°4176	13°4989	65 1822	9°4
8754	14	2°8290	15°4061	18	14°2130	3°2996			8810	22	3°8613	25°3538	34§	14°8925	13°2754	65 1823	9°4
8755	22§	3°6548	15°0554	28§	15°0517	2°9768	64 1724	9°2	8811				10	15°1663	13°5924		
8756	10	4°2198	15°5441	14	15°6008	3°4863			8812	47§	4°7190	25°5704	46§	15°7447	13°5207	65 1827	9°0
8757	28§	5°5896	15°0700	28§	16°9865	3°0586	64 1727	9°4	8813				14	16°9760	13°4192		
8758	10	6°9105	15°9461	14	18°2746	3°9810			8814	4*	6°2112	25°0912	8	17°2496	13°0941		
8759	10	7°0507	15°2097	12	18°4378	3°2482			8815	15	7°5139	25°9095	20§	18°5249	13°9594		
									8816	10†	7°8533	25°5472	18	18°8781	13°6098		
									8817	18	9°3006	25°5448	30§	20°3225	13°6565	65 1834	9°0
									8818	44§	10°0624	25°1262	42§	21°1025	13°2665	65 1837	8°6

No. 8732 is  $\alpha$  Cephei.

1 réseau interval represents very nearly 5' = 47°.3 of R.A. at Dec. + 65°, and 49°.2 at Dec. + 66°.



## ZONE + 65°.

B. D.								B. D.									
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
No.								No.									
Mag.								Mag.									
R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 57 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 57 <sup>m</sup> to 23 <sup>h</sup> 6 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°				R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°					
Plate 1613. 1893, Nov. 22.				Plate 2837. 1895, Sept. 10.				Plate 1613. 1893, Nov. 22.				Plate 559. 1892, Sept. 15.					
8819	12	12°7836	24°8476	14	23°8285	13°0804	°	m.	8870	32§	21°7900	23°0560	44§	10°7340	10°9275	65°1849	8.5
8820				8	24°3630	13°6487			8871	19	21°9189	23°7442	22	10°8848	11°6098		
8821	36§	13°5105	24°7499	44§	24°5568	13°0129	65 1838	9.0	8872	9*	15°6557	24°9446	16	4°6720	13°0355		
									8873	42§	16°3892	24°7875	42§	5°3963	12°8515	65 1842	9.0
									8874	5*	16°4612	24°2533	6	5°4497	12°3163		
									8875				12	5°8615	13°0550		
									8876				10	6°0646	12°3965		
									8877	28§	17°6370	24°1641	36§	6°6236	12°1854	65 1844	9.5
									8878	15	20°8580	24°8133	18	9°8644	12°7134		
									8879	8	23°2431	24°4962	14	12°2375	12°3123		
									8880	10†	15°1611	25°0995	14	4°1842	13°2080		
									8881	28	18°1419	25°8514	36§	7°1874	13°8506	65 1845	9.5
									8882	10*	19°0309	25°9641	18	8°0841	13°9317		
									8883				14	13°3149	13°0792	65 1852	9.5
													52§	2°5210	2°5759	64 1743	8.5
													44§	2°5205	12°9199	65 1838	9.0
										33§	26°4450	18°6423				65 1855	9.3
										50§	26°4939	18°6490				65 1856	9.0
R.A. 22 <sup>h</sup> 57 <sup>m</sup> to 23 <sup>h</sup> 6 <sup>m</sup>								R.A. 23 <sup>h</sup> 6 <sup>m</sup> to 23 <sup>h</sup> 15 <sup>m</sup>									
Centre R.A. 22 <sup>h</sup> 57 <sup>m</sup> Dec. + 65°				R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65°				R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°					
Plate 1613. 1893, Nov. 22.				Plate 559. 1892, Sept. 15.				Plate 2834. 1895, Sept. 9.				Plate 559. 1892, Sept. 15.					
8822	20	14°0087	14°2716	21	2°6379	2°4294	°	m.	8884	44§	4°0237	14°2896	46§	15°4385	2°1679	64°1768	9.3
8823	10	14°4211	14°6415	10*	3°0658	2°7828			8885	12	4°5845	14°6945	10*	15°9848	2°5896		
8824	12†	21°3880	14°7970	15	10°0334	2°6862			8886	16	7°4079	14°8494	16†	18°7964	2°8441		
8825	22	21°4576	14°3045	26	10°0859	2°1952	64 1754	9.4	8887	40§	8°2719	14°7933	40§	19°6654	2°8210	64 1777	9.5
8826	78§	22°5076	14°9948	84§	11°1608	2°8481	64 1758	6.9	8888	18	9°2298	14°1385	22	20°6455	2°1993		
8827	12†	22°8334	14°4149	14	11°4655	2°2552			8889	44§	11°4676	14°5810	45§	22°8657	2°7199	64 1782	9.4
8828	26§	22°9987	14°9071	34§	11°6489	2°7406	64 1759	9.4	8890	26	12°1428	14°4560	28	23°5454	2°6205	64 1783	9.2
8829	6†	24°7318	14°8987	8†	13°3758	2°6700			8891	10	2°9381	15°2995	8	14°3176	3°1376		
8830	6*	25°3444	14°5934	8	13°9846	2°3440			8892	10*	3°0609	15°5732	10	14°4323	3°4165		
8831	26	17°2736	15°4477	28	5°9452	3°4878	64 1746	9.5	8893	14	3°4931	15°7778	14	14°8586	3°6352		
8832	8	17°6421	15°4960	8†	6°3172	3°5217			8894	18	3°7988	15°1984	20	15°1824	3°0677		
8833	6	19°6344	15°6090	5*	8°3145	3°5660			8895	42	4°9735	15°8697	38	16°3323	3°7802	64 1772	9.3
8834	32§	22°3118	15°7715	34	10°9920	3°6286	64 1757	9.2	8896	10	9°4282	15°6908	18*	20°7880	3°7589		
8835	8	22°3245	15°9382	4	11°0110	3°7963			8897	10†	9°7934	15°0319	10	21°1776	3°1107		
8836	14	14°0220	16°0693	14†	2°7168	4°2218			8898	14	10°0631	15°8102	9	21°4200	3°8995		
8837	28	15°2164	16°7462	27	3°9357	4°8596	64 1745	8.9	8899	48§	13°4236	15°5641	68§	24°7873	3°7721	64 1786	8.8
8838	14	16°9270	16°0031	17	5°6157	4°0513			8900	12†	3°9097	16°0926	6*	15°2642	3°9646		
8839	28§	17°4432	16°5303	28	6°1552	4°5641	64 1747	9.5	8901	8*	4°5181	16°1648	10†	15°8662	4°0612		
8840	8	22°8122	16°9473	10	11°5309	4°7876			8902	44§	4°5368	16°1318	44§	15°8866	4°0302	64 1770	9.0
8841	5†	23°2508	16°9646	8	11°9717	4°7923			8903	20	7°6230	16°4937	16	18°9587	4°4969	64 1776	9.5
8842	12†	24°5195	16°0862	12	13°2087	3°8614			8904	8†	9°4048	16°8089	10†	20°7250	4°8756		
8843	16	16°5515	17°5261	16	5°3005	5°5900			8905	14†	11°9725	16°3202	9	23°3122	4°4752		
8844	6	16°9273	17°1137	4*	5°6592	5°1626			8906	18	13°8970	16°0505	13*	25°2417	4°2766		
8845	8	21°6599	17°6735	8	10°4106	5°5512			8907	20	5°9945	17°2252	22	17°3048	5°1706		
8846	8	22°5439	17°1531	8	11°2725	5°0009			8908	46§	7°7885	17°2186	44§	19°1011	5°2272	65 1862	9.0
8847	8	22°5566	17°1629	8	11°2867	5°0107			8909	20	8°7352	17°4798	24	20°0356	5°5209	65 1864	9.5
8848	5*	22°6036	18°4969	8	11°3833	6°3422			8910	42§	9°8729	17°3230	42§	21°1740	5°4049	65 1868	9.2
8849	14	23°1828	18°8999	18	11°9750	6°7249			8911	32§	3°9609	18°4802	34§	15°2262	6°3506	65 1855	9.3
8850	7†	14°6334	19°1127	9	3°4369	7°2446			8912	40§	4°0043	18°4813	44§	15°2745	6°3553	65 1856	9.0
8851	6*	14°8690	19°3673	10	3°6834	7°4900			8913	12	4°3829	18°6778	14	15°6425	6°5640		
8852	8	17°5640	19°1298	10	6°3659	7°1541			8914	18	8°0048	18°9397	22	19°2559	6°9507		
8853	10†	21°2613	19°8153	12	10°0854	7°7069	65 1851	8.5	8915	22	9°7544	18°9433	22	21°0006	7°0207	65 1866	9.5
8854	26	24°3920	19°9137	38§	13°2204	7°6950			8916	16	9°7897	18°2025	16	21°0626	6°2819	65 1867	9.5
8855	16	24°7612	19°9323	22	13°5849	7°6987			8917	10	10°9745	18°2278	12†	22°2455	6°3472		
8856	10*	19°4118	20°4989	12	8°2646	8°4547											
8857	20	21°4156	20°7035	26	10°2745	8°5900	65 1848	9.5									
8858	15	23°0851	20°2378	20	11°9252	8°0608											
8859	26	23°8399	20°1190	32	12°6759	7°9178											
8860	61§	23°8900	20°4286	80§	12°7354	8°2274	65 1850	7.8									
8861	18	14°4780	21°1590	16	3°3629	9°2922											
8862	22	14°5802	21°5378	28§	3°4748	9°6681											
8863	12	14°6118	21°0373	14	3°4872	9°1690											
8864	8*	21°4665	21°5914	12	10°3560	9°4775											
8865	8†	22°5674	21°5400	12	11°4528	9°3836											
8866	8†	15°2895	22°5666	14	4°2220	10°6710											
8867	38§	17°5397	22°6471	40§	6°4718	10°6706	65 1843	9.2									
8868	12†	14°7797	23°6532	14	3°7520	11°7767											
8869	20	15°5484	23°6401	28	4°5153	11°7325											

1 réseau interval represents very nearly 5' = 47.5' of R.A. at Dec. + 65°, and 49.2' at Dec. + 66°.

## ZONE + 65°.

R.A. 23 <sup>h</sup> 6 <sup>m</sup> to 23 <sup>h</sup> 15 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 15 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2834. 1895, Sept. 9.				R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 559. 1892, Sept. 15.				Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2834. 1895, Sept. 9.				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2303. 1894, Oct. 24.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
8918	40§	11°0035	18°6974	42§	23°1575	6°8498	65° 1873 9°0	8968	24	23°6356	14°9087	18	12°1634	2°6991	° m.
8919	8	12°8934	18°1119	14†	24°1687	6°3000		8969	14	18°7254	15°2799	10†	7°2710	3°2485	
8920	34§	3°5263	19°9802	38§	14°7419	7°8379	65 1853 9°1	8970	8	18°9211	15°9369	8	7°4868	3°8942	
8921	8*	3°8824	19°4714	10	15°1146	7°3430		8971	8	20°2545	15°2586	8	8°7931	3°1696	
8922	40§	5°6742	19°7414	40§	16°8952	7°6751	65 1857 9°3	8972	18	20°4241	15°0601	14†	8°9590	2°9690	
8923	14	6°0861	19°6983	12	17°3082	7°6448		8973	78§	24°0347	15°0048	70§	12°5656	2°7806	64 1810 6°5
8924	10*	6°5064	19°6754	8†	17°7274	7°6384		8974	8†	24°7844	15°9455	10	13°3473	3°6904	
8925	22	7°8549	19°7914	24	19°0741	7°8001	65 1861 9°5	8975	24	15°1797	16°2383	22	3°7637	4°3317	
8926	20	8°4547	19°9314	22	19°6649	7°9632		8976	12	16°4214	16°8423	13	5°0236	4°8898	64 1793 9°5
8927	8	10°3197	19°5670	6†	21°5430	7°6617		8977	40§	19°3596	16°3212	40§	7°9430	4°2657	64 1798 8°2
8928	30§	11°5955	19°0944	34	22°8350	7°2386		8978	10	20°7148	16°3010	10†	9°2944	4°1986	
8929	14†	4°8336	20°4112	12	16°0341	8°3147		8979	30	14°6475	17°3132	25	3°2658	5°4304	65 1876 9°5
8930	16	7°6936	20°3706	16	18°8906	8°3755		8980	14	16°7297	17°9000	10	5°3664	5°9400	
8931	8†	10°8130	20°2287	12	22°0138	8°3419		8981	8	21°8113	17°9350	8	10°4486	5°7875	
8932	26	11°2400	20°2986	32	22°4396	8°4285		8982	42§	22°0759	17°3089	40§	10°6924	5°1504	65 1888 8°4
8933	14†	11°9019	20°0117	16	23°1124	8°1689		8983	26	24°1588	17°2104	20	12°7683	4°9781	
8934	14	3°2337	21°5861	14	14°3935	9°4301		8984	26	25°0176	17°5999	28§	13°6390	5°3390	65 1896 9°5
8935	16	6°4443	21°6380	16	17°5996	9°5977		8985	16	16°9688	18°9882	14	5°6502	7°0199	
8936	36§	6°4745	21°7650	42§	17°6248	9°7270	65 1858 9°0	8986	14	21°4600	18°1631	12*	10°1059	6°0294	
8937	14†	11°7671	21°2653	16	22°9323	9°4108		8987	34§	22°4237	18°3524	34§	11°0757	6°1867	65 1889 9°3
8938	44§	11°8253	21°8934	48§	22°9653	10°0396	65 1872 8°8	8988	38§	22°9841	18°2103	26§	11°6283	6°0201	65 1891 9°5
8939	18	12°7276	21°1099	20	23°8952	9°2898		8989	20	23°8204	18°4899	14	12°4753	6°2699	
8940	24	12°7379	21°1384	28	23°9053	9°3197	65 1875 9°5	8990	12	25°3351	18°1097	12	13°9753	5°8315	
8941	20	13°7677	21°2383	22	24°9326	9°4568		8991	18	14°1752	19°0959	16†	2°8643	7°2295	
8942	11†	3°9145	22°7421	14	15°0326	10°6113		8992	26	17°8584	19°5008	16	6°5558	7°4988	65 1881 9°5
8943	20	7°0519	22°7501	20	18°1644	10°7303		8993	10	20°6488	19°5550	8	9°3475	7°4521	
8944	14†	7°1521	22°1237	16	18°2901	10°1075		8994	14	14°5984	20°6798	12	3°3450	8°7989	
8945	8	8°4102	22°5868	8*	19°5278	10°6126		8995	18	15°3685	20°2402	12	4°0981	8°3297	65 1878 9°5
8946	10†	11°1863	22°5454	10	22°3040	10°6700		8996	20	16°0345	20°6447	14	4°7757	8°7097	
8947	8	11°2732	22°6608	12	22°3847	10°7907		8997	18	16°4481	20°5590	12	5°1881	8°6085	65 1879 9°5
8948	34§	11°4748	22°7975	40	22°5851	10°9305	65 1870 9°4	8998	10	21°6039	20°2586	8*	10°3245	8°1207	
8949	14	13°0254	22°7647	18	24°1348	10°9580		8999	12	14°3946	21°0034	12	3°1531	9°1286	
8950	16†	4°2702	23°9325	10	15°3438	11°8117		9000	12	18°4795	21°8135	10	7°2596	9°7923	
8951	8	4°7256	23°8042	6*	15°8047	11°6988		9001	46§	20°9657	21°8790	48§	9°7514	9°7626	65 1887 8°3
8952	10	9°6616	23°5196	10	20°7428	11°5904		9002	12	14°1742	22°7283				
8953	14	9°9151	23°7535	10	20°9922	11°8298		9003	9	15°6243	22°4258	9	4°4314	10°5048	
8954	18	10°5229	23°6102	16	21°6027	11°7105		9004	18	17°7393	22°3469	10	6°5409	10°3438	
8955	38§	12°0847	23°8770	40§	23°1545	12°0307	65 1874 9°5	9005	18†	24°6572	22°7690	20	13°4677	10°5152	
8956	23	3°2485	24°3648	24	14°3095	12°2089		9006	32§	14°6347	23°6432	28	3°4856	11°7566	
8957	30§	6°1745	24°1093	32	17°2413	12°0578		9007	17	20°6512	23°9901	10	9°5111	11°8828	65 1886 9°5
8958	23§	6°7432	24°4398	26	17°7958	12°4053	65 1859 9°5	9008	32§	20°6606	23°7143	30	9°5112	11°6079	65 1885 9°5
8959	11*	7°5236	24°9427	5	18°5614	12°9330		9009	32	22°3120	23°2873	26§	11°1448	11°1205	65 1890 9°5
8960	34§	8°5420	24°1100	34§	19°6058	12°1407	65 1863 9°5	9010	16	22°6558	23°2206	14†	11°4845	11°0410	
8961	18	10°2352	25°0580	18	21°2659	13°1480		9011	18	14°0722	24°7934	14	2°9649	12°9288	
8962	32§	10°4497	25°6684	28	21°4562	13°7674	65 1869 9°5	9012	50§	14°6212	24°3769	52§	3°5019	12°4939	65 1877 7°8
8963	11*	11°1430	25°5599	6†	22°1550	13°6795		9013	8†	15°4974	24°0417	10	4°3649	12°1252	
8964	38§	11°8019	25°4000	40§	22°8152	13°5462	65 1871 9°0	9014	20	19°2076	24°2632	16	8°0797	12°2094	65 1882 9°4
8965	12	12°7540	25°4494	12	23°7666	13°6300		9015	11	19°2167	24°1874	12	8°0863	12°1309	
								9016	16	19°3249	24°5830	14	8°2064	12°5258	
	68§	1°5338	20°4395	69§	25°6727	12°6232	65 1877 7°8	9017	6*	18°8489	25°4284	10	7°7657	13°3824	
	32	2°0007	19°8897				65 1850 7°8	9018	6†	19°8339	25°5298	8	8°7499	13°4535	
							65 1851 8°5	9019	12†	20°3438	25°6335	12	9°2658	13°5348	65 1884 9°3
								9020				10	9°8182	13°8064	
								9021	21	22°0909	25°0806	8	10°9890	12°9201	
								9022	52§	24°3640	25°0261	40§	13°2572	12°7829	65 1895 8°9
R.A. 23 <sup>h</sup> 15 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup>															
Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2834. 1895, Sept. 9.				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2303. 1894, Oct. 24.											
8966	10	20°2651	14°5809	8†	8°7822	2°4909	° m.					40§	6°0691	1°5512	64 1794 8°0
8967	20	22°1956	14°7799	16	10°7157	2°6249	64 1805 9°5					54§	7°3596	1°3155	64 1796 8°0
												43§	8°8040	1°2726	64 1800 9°0

Plates 2834 and 2303, B. D. 65° 1880 (mag. 9°5). There is no star on the plates whose place corresponds to this, nor on the Chart Plates of the same fields.

1 réseau interval represents very nearly 5' = 47°3 of R.A. at Dec. + 65°, and 49°2 at Dec. + 66°.



## ZONE + 65°.

R.A. 23 <sup>h</sup> 15 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 33 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 23 <sup>h</sup> 15 <sup>m</sup> Dec. + 65° Plate 2834. 1895, Sept. 9.				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2303. 1894, Oct. 24.				Centre R.A. 23 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2902. 1895, Oct. 2.				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2303. 1894, Oct. 24.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.		
				32 <sup>s</sup>	9°00'95	1°6'195	64°18'01	m. 9°0	9069	29 <sup>s</sup>	8°9'397	23°47'58	22 <sup>s</sup>	19°8'967	11°45'78	65°19'13	m. 9°4
				32 <sup>s</sup>	11°7'247	1°5'178	64°18'08	9°1	9070	29 <sup>s</sup>	5°59'10	24°8'458	34 <sup>s</sup>	16°5'047	12°7'094	65°19'08	9°1
				53 <sup>s</sup>	1°9'763	3°7'281	64°17'86	8°8	9071	11 <sup>t</sup>	4°9'058	25°9'632	10	15°7'835	13°8'059	65°19'02	9°5
							64°18'12	8°9	9072	10	11°22'59	25°04'14	10	22°12'98	13°10'04		
36 <sup>s</sup>	26°32'08	16°77'16					65°18'99	8°5					25 <sup>s</sup>	19°40'98	1°85'86	64°18'21	9°5
41 <sup>s</sup>	26°18'41	20°82'04					65°19'01	8°8					33	21°01'45	1°81'58	64°18'27	9°0
53 <sup>s</sup>	26°78'64	21°37'44					65°19'00	9°0					38 <sup>s</sup>	25°41'58	7°6'199	65°19'20	8°7
47 <sup>s</sup>	26°65'32	22°24'47											45 <sup>s</sup>	26°51'89	13°47'91	65°19'22	7°8
									56 <sup>s</sup>	1°31'09	15°05'85					64°18'10	6°5
									40 <sup>s</sup>	2°34'60	25°02'95					65°18'95	8°9
									31 <sup>s</sup>	13°15'03	26°09'85					65°19'17	8°3
R.A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 33 <sup>m</sup>								R.A. 23 <sup>h</sup> 33 <sup>m</sup> to 23 <sup>h</sup> 42 <sup>m</sup>									
Centre R.A. 23 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2902. 1895, Oct. 2.				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2303. 1894, Oct. 24.				Centre R.A. 23 <sup>h</sup> 33 <sup>m</sup> Dec. + 65° Plate 2902. 1895, Oct. 2.				Centre R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 3292. 1896, Oct. 29.					
9023	18	5°6'368	14°66'23	16	16°90'35	2°53'58	o	m.	9073	10	19°34'92	14°34'25				o	m.
9024	9	5°64'08	14°58'78						9074	12	21°05'67	14°93'17	8	9°58'03	2°83'76		
9025	14	7°97'73	14°92'41	13	19°23'18	2°87'93			9075	36 <sup>s</sup>	23°26'39	14°80'30	38 <sup>s</sup>	11°77'98	2°62'17	64°18'50	8°9
9026	22 <sup>s</sup>	8°61'51	14°82'64	23	19°87'27	2°80'09	64°18'24	9°4	9076	18	23°34'44	14°98'59	16	11°87'06	2°80'25		
9027	12	13°36'56	14°49'59						9077	12	16°21'51	15°46'50	10	4°76'63	3°56'45		
9028	36 <sup>s</sup>	4°72'17	15°58'20	42 <sup>s</sup>	15°95'53	3°42'35	64°18'14	8°3	9078	12	16°74'14	15°99'99	16	5°31'47	4°07'52		
9029	38 <sup>s</sup>	6°52'20	15°17'14	46 <sup>s</sup>	17°77'20	3°07'17	64°18'18	8°3	9079	10	19°25'35	15°69'34	8 <sup>t</sup>	7°80'06	3°66'95		
9030	16	8°60'02	15°35'26	20	19°83'90	3°32'96	64°18'23	9°4	9080	10	19°78'50	15°22'96	8	8°32'23	3°18'61	64°18'42	9°4
9031	10	12°76'14	15°65'46						9081	10	20°49'08	15°43'09					
9032	30 <sup>s</sup>	3°71'56	16°65'72	36 <sup>s</sup>	14°91'40	4°46'22	64°18'12	8°9	9082	10	20°93'20	15°87'93					
9033	16	4°68'42	16°25'76	18	15°89'50	4°09'42			9083	32 <sup>s</sup>	21°37'65	15°18'07	38 <sup>s</sup>	9°91'06	3°07'54	64°18'46	8°7
9034	8 <sup>t</sup>	5°94'06	16°21'76						9084	10	21°40'53	15°12'84	8	9°93'85	3°02'12		
9035	68 <sup>s</sup>	7°39'26	16°26'92	78 <sup>s</sup>	18°60'50	4°19'98	64°18'19	6°2	9085	19	24°20'79	15°99'01	14	12°77'48	3°77'10		
9036	12	7°56'03	16°66'96	7	18°75'54	4°60'71			9086	16	17°81'97	16°12'97	16	6°39'58	4°16'51		
9037	10	8°30'36	16°23'95	6 <sup>t</sup>	19°51'33	4°20'04			9087	14	20°47'53	16°93'99	16	9°08'02	4°86'62	64°18'43	9°5
9038	10	10°86'15	16°47'13						9088	34 <sup>s</sup>	24°55'26	16°42'43	36 <sup>s</sup>	13°13'33	4°18'87	64°18'54	9°1
9039	40 <sup>s</sup>	13°83'13	16°22'63	64 <sup>s</sup>	25°04'40	4°37'99	64°18'31	8°0	9089	20	25°02'42	16°88'95	24	13°62'23	4°63'57	64°18'56	9°1
9040	8	4°69'27	17°36'07	14	15°86'53	5°20'08			9090	10	14°90'47	17°66'53	10	3°54'30	5°81'58		
9041	12	6°85'38	17°90'67						9091	10	14°97'17	17°89'79	10 <sup>t</sup>	3°61'88	6°04'60		
9042	14	7°40'04	17°63'99	13	18°56'61	5°56'93			9092	17	22°79'62	17°92'21	12	11°43'91	5°75'60		
9043	20	8°12'35	17°25'67	24	19°29'59	5°21'00			9093	14	23°42'42	17°10'51	20	12°03'13	4°91'44		
9044	22	9°35'54	17°15'37	21	20°53'47	5°15'02	65°19'14	9°5	9094	10	18°21'97	18°25'47	8	6°87'91	6°27'17		
9045	12	11°12'85	17°57'81	11 <sup>t</sup>	22°29'09	5°63'58			9095	10	22°15'42	18°65'11	10	10°82'55	6°51'07		
9046	10	11°50'12	17°24'86	8*	22°67'72	5°31'98			9096	30 <sup>s</sup>	14°31'67	19°45'06	33 <sup>s</sup>	3°02'80	7°62'27	65°19'20	8°7
9047	10	4°11'54	18°71'28	12	15°24'44	6°52'65			9097	12	15°22'82	19°70'92	8	3°94'06	7°84'41	65°19'21	9°5
9048	24	7°32'87	18°63'42	26	18°45'68	6°56'03	65°19'10	9°1	9098	14	19°80'73	19°25'04	14	8°50'34	7°20'16	65°19'32	9°5
9049	16	8°23'40	18°22'39	18	19°37'55	6°18'20			9099	9	20°52'84	19°27'83	8	9°22'40	7°20'34		
9050	8	9°86'48	18°23'50						9100	12	23°34'93	19°29'99	8	12°04'65	7°10'59		
9051	10	3°92'63	19°53'99	8	15°02'48	7°34'99			9101	10	23°52'33	19°05'97	10	12°21'16	6°86'07		
9052	6 <sup>t</sup>	4°22'51	19°99'56	8 <sup>t</sup>	15°30'95	7°81'64			9102	24 <sup>s</sup>	24°06'17	19°47'29	30 <sup>s</sup>	12°76'01	7°25'46	65°19'40	9°3
9053	26 <sup>s</sup>	4°99'99	19°66'98	26 <sup>s</sup>	16°09'53	7°51'76	65°19'03	9°2	9103	10 <sup>t</sup>	23°42'53	20°45'04	8	12°16'83	8°25'74		
9054	10	6°03'42	19°60'92	10	17°12'81	7°49'05			9104	24	23°93'12	20°53'95	22 <sup>s</sup>	12°67'65	8°32'56	65°19'39	9°3
9055	32 <sup>s</sup>	3°86'50	20°70'41	38 <sup>s</sup>	14°92'07	8°51'03	65°18'99	8°5	9105				8	13°38'51	8°39'15		
9056	18	5°41'15	20°16'05	16	16°48'59	8°02'05	65°19'07	9°5	9106	38 <sup>s</sup>	16°34'35	21°57'76	40 <sup>s</sup>	5°13'47	9°66'55	65°19'25	8°4
9057	28 <sup>s</sup>	6°96'62	20°89'63	22 <sup>s</sup>	18°01'51	8°80'95	65°19'09	9°2	9107				8	13°35'14	9°81'52		
9058	34 <sup>s</sup>	4°50'63	21°21'65	38 <sup>s</sup>	15°54'51	9°04'18	65°19'01	8°8	9108	20	24°57'49	21°44'84	22 <sup>s</sup>	13°35'49	9°20'51	65°19'42	9°4
9059	10	12°03'98	21°97'98	10	23°05'20	10°06'88			9109	20	18°50'76	22°27'56	16	7°32'67	10°27'57	65°19'29	9°1
9060	26	13°58'12	21°69'58	27	24°60'33	9°83'86	65°19'19	9°5	9110				4	10°16'89	11°75'48		
9061	10	3°80'75	22°18'81	10	14°81'15	9°99'08			9111	12	15°84'30	24°63'04	14	4°75'91	12°74'01	65°19'23	9°5
9062	32 <sup>s</sup>	4°43'34	22°09'13	36 <sup>s</sup>	15°44'47	9°91'95	65°19'00	9°0	9112	34 <sup>s</sup>	17°89'40	24°02'06	30 <sup>s</sup>	6°78'10	12°04'57	65°19'27	9°0
9063	18	3°79'94	23°35'34	22	14°76'50	11°15'85	65°18'98	8°9	9113	13*	20°41'45	24°02'04	8	9°30'03	11°94'83		
9064	27 <sup>s</sup>	5°29'59	23°97'23	34 <sup>s</sup>	16°24'26	11°82'83	65°19'06	9°2									
9065	14	6°95'14	23°08'03	18	17°92'52	10°99'25											
9066	8	8°06'37	23°52'39	8	19°02'22	11°47'28											
9067	30 <sup>s</sup>	8°67'85	23°61'00	34 <sup>s</sup>	19°63'52	11°58'16	65°19'12	8°5									
9068	8	8°90'20	23°32'15														

No. 9076. This is not given in the B. D., but is given as No. 14333 in the *Helsingfors (A. G.) Catalogue*. Mag. 9°4.

1 *réseau* interval represents very nearly 5' = 47".3 of R.A. at Dec. + 65°, and 49".2 at Dec. + 66°.

## ZONE + 65°.

R.A. 23 <sup>h</sup> 33 <sup>m</sup> to 23 <sup>h</sup> 42 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 42 <sup>m</sup> to 23 <sup>h</sup> 51 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 33 <sup>m</sup> Dec. + 65°				R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				Centre R.A. 23 <sup>h</sup> 51 <sup>m</sup> Dec. + 65°				R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°			
Plate 2902. 1895, Oct. 2.				Plate 3292. 1896, Oct. 29.				Plate 1656. 1893, Dec. 2.				Plate 3292. 1896, Oct. 29.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.



No.		Diam.	<i>x.</i>	<i>y.</i>	Diam.		<i>x.</i>	<i>y.</i>	B. D.													
No.		Diam.		<i>x.</i>	<i>y.</i>	Diam.		<i>x.</i>	<i>y.</i>	B. D.												
No.		Diam.		<i>x.</i>	<i>y.</i>	Diam.		<i>x.</i>	<i>y.</i>	B. D.												
<p style="text-align: center;">R.A. <math>23^h 51^m</math> to <math>0^h 0^m</math>—<i>contd.</i></p> <p>Centre R.A. <math>23^h 51^m</math> Dec. <math>+65^\circ</math> R.A. <math>0^h 0^m</math> Dec. <math>+66^\circ</math></p> <p>Plate 1656. 1893, Dec. 2. Plate 2866. 1895, Sept. 20.</p>											<p style="text-align: center;">R.A. <math>23^h 51^m</math> to <math>0^h 0^m</math>—<i>contd.</i></p> <p>Centre R.A. <math>23^h 51^m</math> Dec. <math>+65^\circ</math> R.A. <math>0^h 0^m</math> Dec. <math>+66^\circ</math></p> <p>Plate 1656. 1893, Dec. 2. Plate 2866. 1895, Sept. 20.</p>											
9213				6	9°0666	8°9081	°	m.														
9214				8	9°8099	8°1457	65 1983?	9°5														
9215	14	21°7498	20°7874	20	10°6209	8°5842																
9216	82§	22°0588	20°6840	88§	10°9288	8°4668	65 1987	6°3														
9217	80§	22°1080	20°7044	68§	10°9773	8°4858	65 1988	8°5														
9218	30	23°3164	20°3031	28§	12°1695	8°0413	65 1991	9°5														
9219	18	14°0002	21°3090	24	2°8969	9°3871																
9220	16	16°4795	21°2324	24	5°3719	9°2205																
9221	26	19°0336	21°4593	26§	7°9316	9°3535	65 1978	9°5														
9222	10*	19°1738	21°2003	14	8°0640	9°0918																
9223				8	8°9634	9°1045																
9224	25	22°1035	21°6549	26§	11°0054	9°4382	65 1989	9°4														
9225	12*	23°4715	21°7153	18	12°3746	9°4510																
9226				12	4°6832	10°2814																
9227																						
9228	10*	16°7812	23°6380	16	5°8957	10°0662																
9229				14	5°7589	11°6118																
9230	56§	21°0371	23°1389	66§	7°4422	11°0070																
9231				8	9°9969	10°9586	65 1984	7°0														
9232				14	10°6798	11°7345																
9233				14	12°9613	11°4683																
9234	26	15°9032	24°5601	28§	13°8802	11°2740	65 1996	9°5														

ZONE + 66°.

							B. D.									B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
R.A. $0^h 0^m 0^s$ to $0^h 9^m 10^s$									R.A. $0^h 0^m 0^s$ to $0^h 9^m 10^s$ — <i>contd.</i>								
Centre R.A. $0^h 0^m$ Dec. + 66°			R.A. $0^h 10^m$ Dec. + 67°			Centre R.A. $0^h 0^m$ Dec. + 66°			R.A. $0^h 10^m$ Dec. + 67°			Plate 2866. 1895, Sept. 20.			Plate 1548. 1893, Oct. 22.		
1	10	14°5259	14°1739						49	38	20°6370	22°4675	44§	8°7362	10°3413	66°	8
2	16	14°5751	14°4183	24	2°3579	2°5408			50	8	20°6563	22°4546	8	8°7575	10°3286		8·9
3	12	15°8797	14°9311	18†	3°6843	3°0011			51	12	21°7800	22°4310	12	9°8755	10°2602		
4	26	17°3842	14°7455	22	5°1793	2°7555	65	1	52	20	21°9740	22°5473	20	10°0765	10°3698	66	9
5	16	18°1342	14°1091	16	5°9056	2°0865			53				8	11°2715	10°1946		9·3
6	12	18°2507	14°7279	14	6°0437	2°7032			54	10†	23°2829	22°7617	18	11°3936	10°5299		
7	16	18°5231	14°0633	20	6°2876	2°0279			55	16	14°0072	23°3123	19	2°1480	11°4505		
8	20	20°5564	14°0993	26	8°3210	1°9821			56	18	17°8948	23°8844	24§	6°0526	11°8633		
9	22	22°2982	14°6256	26	10°0825	2°4400			57	4*	22°0873	23°8936	4	10°2421	11°7053		
10	14	23°4742	14°9736	22	11°2727	2°7405			58	6†	18°9549	24°3347	10	7°1293	12°2741		
11	10	25°1106	14°9899	10	12°9087	2°6935			59	32§	19°6485	25°0228	36§	7°8494	12°9355	66	5
12	12	15°5047	15°2435	18	3°3198	3°3253			60	8	14°7760	25°8343	10	3°0176	13°9441		9·1
13	8	16°8737	15°5266	12	4°6992	3°5549			61	12	15°1422	25°3809	14	3°3630	13°4740		
14	6	17°7573	15°8959	12*	5°5975	3°8909			62	42§	16°5917	25°8311	46§	4°8260	13°8616	66	1683
15	22	19°0756	15°7551	24	6°9085	3°6950			63	14†	22°4232	25°6707	18	10°6492	13°4719		9·0
16	12	20°2006	15°9572	12	8°0415	3°8550			64				14	11°7362	13°8522		
17	24	22°2559	15°2343	30	10°0632	3°0516			65				10	12°6499	13°8984		
18	32§	23°0146	15°6858	32§	10°8426	3°4707	65	18									
19	26	25°1414	15°3361	30	12°9534	3°0363							57§	6°2305	0°7728	65	3
20	12	18°5714	16°1726	22	6°4225	4°1323							51§	5°6181	1°3463	65	2
21	18	20°5208	16°3581	26	8°3748	4°2407	65	8					50§	9°5359	1°3525	65	11
22	14	24°0746	16°4002	20	11°9283	4°1413							56§	10°2798	1°1049	65	16
23	16	21°5930	17°8059	22	9°5044	5°6504			21	25°6905	15°0574					65	24
24	8	16°2282	18°2030	6†	4°1635	6°2552			40§	26°9763	17°4903					66	12
25	10	17°4228	18°7394	16	5°3751	6°7437											
26	30§	18°5177	18°3682	34§	6°4554	6°3286	66	2									8·6
27	10	24°4756	18°3718	14	12°4082	6°0951											
28	4†	24°5466	18°3618	10	12°4825	6°0829											
29	10	15°7012	19°9951	16	3°7071	8°0688											
30	10	20°7567	19°9044	12	8°7536	7°7753											
31	42§	23°3530	19°7188	44§	11°3402	7°4835	66	10	66	8	3°6638	14°9456	8	13°4088	2°7383		
32	8	14°8951	20°2838	8	2°9152	8°3882			67	26§	3°7504	14°9367	28	13°4908	2°7336	65	24
33	18	19°3213	20°5698	20	7°3468	8°4950	66	4	68	12†	6°1531	14°9912	16	15°8918	2°8654		8·6
34	14	23°8770	20°8312	14	11°9088	8°5773			69	10†	6°2238	14°5827	22	15°9778	2°4589		
35	20	15°7692	21°5162	28	3°8345	9°5859	66	1681	70	12	8°7945	14°9653	18	18°5337	2°9241		
36	8	19°4940	21°0912	10	7°5399	9°0106			71	12*	9°7840	14°2195	14	19°5459	2°2093		
37	26§	20°4410	21°1316	32§	8°4891	9°0141	66	7	72	24	12°0662	14°6143	24	21°8161	2°6759		
38	10	20°4446	21°1173	10	8°4918	9°0007			73	26§	13°3795	15°4784	32	23°1039	3°5814	65	44
39	22§	20°5516	21°4806	30§	8°6123	9°3597			74	26§	14°0465	15°1979	36	23°7809	3°3231	65	47
40	8	24°0741	21°5400	12	12°1352	9°2765			75	18§	4°0041	16°7521	26	13°6860	4°5557		9·2
41	12	14°7732	22°7590	14	2°8904	10°8676			76	22	11°4024	16°4886	20	21°0903	4°5258	65	36
42	4	15°1333	22°6055	6	3°2414	10°6971			77	8†	5°9443	17°0271	8	15°6199	4°8910		9·5
43	40§	16°2310	22°5902	46§	4°3389	10°6400	66	1682	78	32§	5°2038	17°2734	38§	14°8724	5°1150	66	12
44	44§	18°0456	22°8833	52§	6°1668	10°8618	66	1	79	12*	4°9505	18°4687	14	14°5797	6°3004		9·0
45	8	18°6098	22°8588	12	6°7252	10°8122			80	18	13°0178	18°2504	17	22°6545	6°3452		
46	8	18°8151	22°9679	6	6°9332	10°9157			81	14*	3°7596	19°2819	15	13°3636	7°0776		
47	24	19°1441	22°0668	30§	7°2290	10°0012	66	3	82	16	4°3638	19°3005	24	13°9680	7°1156		
48	42	19°8146	22°8710	44§	7°9308	10°7771	66	6	83	30§	6°1378	19°9398	32§	15°7215	7°8096	66	13

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.



## ZONE + 66°.

No.		Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
								No.	Mag.								No.	Mag.	
R.A. $0^h 9^m 10^s$ to $0^h 19^m 40^s$ —contd.										R.A. $0^h 19^m 40^s$ to $0^h 26^m 40^s$ —contd.									
Centre R.A. $0^h 18^m$ Dec. + 66°					R.A. $0^h 10^m$ Dec. + 67°					Centre R.A. $0^h 18^m$ Dec. + 66°					R.A. $0^h 30^m$ Dec. + 67°				
Plate 2867. 1895, Sept. 20.					Plate 1548. 1893, Oct. 22.					Plate 2867. 1895, Sept. 20.					Plate 1549. 1893, Oct. 22.				
84	8*	6.3810	19.9706	8	15.9610	7.8513			m.	129	13	18.3348	20.9095	14	4.0456	8.9502		m.	
85	26§	8.5567	19.3318	26	18.1573	7.2800				130	6	18.3548	20.4473	6	4.0466	8.4855			
86	28§	9.1753	19.7016	32§	18.7626	7.6701	66	16	9.4	131	6	18.5681	20.3809	4	4.2556	8.4078			
87	76§	11.3856	19.3785	76§	20.9862	7.4184	66	20	7.0	132	14	19.6771	20.7597	15	5.3810	8.7397			
88	30§	11.4265	19.3590	36§	21.0257	7.4002	66	21	9.4	133	15	20.0687	20.0117	18	5.7353	7.9719			
89	8†	13.9030	19.0791	6	23.5098	7.1994				134	9*	22.1039	21.8293	6	7.8563	9.6917			
90	16†	7.1034	20.1847	12	16.6745	8.0863				135	23§	23.0999	21.5682	34§	8.8355	9.3842	66	33	
91	28§	10.5824	20.7173	32§	20.1386	8.7295	66	18	9.3	136	48§	23.8399	21.4742	66§	9.5733	9.2522	66	35	
92	30§	13.7807	20.4248	38§	23.3463	8.5406	66	25	9.4	137	13†	20.9112	22.9333	19	6.7152	10.8525			
93	4*	4.0874	21.5186	4	13.6175	9.3243				138	16†	23.7113	22.4520	19	9.4816	10.2412	66	34	
94	10	4.2313	21.3099	12	13.7682	9.1203	66	11	9.5	139	7*	19.3458	23.4954	11	5.1816	11.4866			
95	10†	6.8668	21.5832	14	16.3965	9.4797				140	7*	23.9070	23.4160	9	9.7337	11.1926			
96	10*	7.4034	21.0027	8	16.9488	8.9131				141	27§	16.5266	24.5495	29§	2.4168	12.6754	66	30	
97	10*	7.8792	21.0731	10	17.4239	8.9973				142	5*	19.0033	24.3513	7	4.8779	12.3605			
98	16	9.6924	21.5073	24	19.2238	9.4920				143	39§	17.7477	25.7175	44§	3.6894	13.7835	66	31	
99				8	22.7947	9.3681													
100	30§	15.7250	21.2419	39§	25.2594	9.4186	66	28	9.2	104§	26.8349	16.6699				65	70		
101	8*	5.5077	22.0450	8	15.0222	9.8940				48§	26.9934	16.0292				65	71		
102	8†	10.0343	22.3796	8†	19.5377	10.3747				97§	26.6197	25.8747				66	39		
103	14	10.7449	22.4036	16	20.2447	10.4206							86§	2.3509	0.8509	65	53		
104	38§	14.3963	22.9079	50§	23.8799	11.0446	66	26	9.0	120§			120§	8.7552	1.5585	65	67		
105	8*	14.6043	22.2375	6	24.1110	10.3753													
106	54§	9.1113	23.2186	76§	18.5855	11.1855	66	15	7.2										
107	10†	15.1493	23.1283	10	24.6242	11.2879													
108	8†	11.7691	24.9346	10	21.1878	12.9836													
109	20*	4.3591	25.7334	24	13.7573	13.5453													
110	28	11.6130	25.3727	26§	21.0163	13.4158	66	23	9.5										
111	28§	12.2835	25.7170	26§	21.6758	13.7827													
112	32§	12.8486	25.8769	28§	22.2353	13.9611	66	24	9.5										
113	13*	6.8363	26.0242	12	16.2240	13.9154													
				51§	17.5746	0.9474	65	31	8.9										
				62§	21.5827	0.9348	65	39	8.3										
				70§	21.7488	0.9756	65	40	8.7										
				87§	22.0971	0.9091	65	41	7.7										
				95§	26.8382	0.9598	65	53	8.5										
				77§	27.0345	4.7161	65	54	8.6										
	35§	1.7498	19.7515				66	10	8.5										
R.A. $0^h 19^m 40^s$ to $0^h 26^m 40^s$										R.A. $0^h 26^m 40^s$ to $0^h 40^m 10^s$									
Centre R.A. $0^h 18^m$ Dec. + 66°					R.A. $0^h 30^m$ Dec. + 67°					Centre R.A. $0^h 36^m$ Dec. + 66°					R.A. $0^h 30^m$ Dec. + 67°				
Plate 2867. 1895, Sept. 20.					Plate 1549. 1893, Oct. 22.					Plate 1681. 1893, Dec. 9.					Plate 1549. 1893, Oct. 22.				
114	28	24.4135	14.8061	23	9.8274	2.5653			m.	144	28	2.8547	14.3643	28	10.3150	2.1357		m.	
115	11	17.8903	15.4468	15*	3.3421	3.5140	65	55	9.5	145	7	7.8344	14.1858	7*	15.2954	2.0601			
116	11	17.9221	15.2909	13*	3.3641	3.3552				146	14	9.9052	14.7515	11	17.3554	2.6688			
117	16	23.2167	15.8458	22	8.6845	3.6589				147	7	13.8054	14.2587						
118	12	16.8353	16.7329	13*	2.3514	4.8527				148	15	17.2438	14.6310						
119	27§	16.8437	16.7729	32§	2.3580	4.8926	65	52	9.0	149	12	4.7031	15.8912	17	12.1282	3.6990			
120	45§	17.3442	16.4862	47§	2.8471	4.5787	65	54	8.6	150	18	4.7117	15.8279	18	12.1387	3.6346			
121	16	21.5148	16.5165	22	7.0151	4.4134	65	62	9.4	151	54§	5.0325	15.8498	53§	12.4594	3.6637	65	71	
122	15	24.1779	17.3626	22	9.7158	5.1365				152	11	5.7878	15.4077	12†	13.2249	3.2377			
123	26	16.0642	18.1179	31	1.6428	6.2688	66	29	9.4	153	23	7.4836	15.9438	22	14.9050	3.8093	65	75	
124	19	17.2159	18.3131	18	2.8036	6.4135				154	25§	17.0475	15.1744	29	24.4877	3.2417			
125	15	19.0642	18.2021	14	4.6442	6.2130				155	31§	17.6623	15.0070	34§†	25.1049	3.0869			
126	14	20.4536	18.2800	21	6.0368	6.2225				156	11	17.7166	15.6749						
127	12	18.8303	19.9681	15	4.4970	7.9871				157	104§	4.9157	16.5013	99§	12.3315	4.3113	65	70	
128	30§	21.4694	19.9314	44§	7.1318	7.8266	66	32	9.3	158	40§	7.7852	16.9997	44§	15.1867	4.8711	65	76	
										159	42§	7.8565	17.0610	43§	15.2599	4.9337			
										160	22	10.8165	16.4876	24	18.2295	4.4207			
										161	32§	18.0244	16.7620	45§	25.4332	4.8467	65	86	
										162	18†	2.6422	17.9379	13	10.0252	5.6997			
										163	22	6.5983	17.9199	21	13.9789	5.7673			
										164	44§	10.8616	17.2709	47§	18.2564	5.2094	66	47	
										165	24	11.1330	17.0421	29	18.5335	4.9839	65	79	
										166	6	12.6473	17.7476	11†	20.0337	5.7202			
										167	22	12.8544	17.6059	27	20.2424	5.5833	66	52	
										168	18	6.0152	18.3401	20	13.3901	6.1719			
										169	9	6.3140	18.4872	9	13.6856	6.3287			
										170	21	6.6052	18.4999	27	13.9758	6.3473			
										171	8†	13.1290	18.1763	9†	20.5072	6.1599			
										172	38§	14.2417	18.9671	42§	21.6023	6.9732	66	54	
										173	13	14.2955	18.2413	12	21.6714	6.2505			
										174	9†	15.1118	18.5843	12	22.4770	6.6113			
										175	13	15.1179	18.7611	19	22.4812	6.7892			

1 réseau interval represents very nearly  $5' = 49^{\circ}2$  of R.A. at Dec. + 66°, and  $51^{\circ}2$  at Dec. + 67°.

## ZONE + 66°.

R.A. 0 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 0 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 0 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 0 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> —contd.									
Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1681. 1893, Dec. 9.				R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 1549. 1893, Oct. 22.				Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1681. 1893, Dec. 9.				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2918. 1895, Oct. 16.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.		
176	7	5.9056	19.4854	10	13.2530	7.3173	°	m.	224	248	19.5165	16.2381	16	2.7026	4.2165	°	m.
177	308	10.5105	19.8211	368	17.8514	7.7485	66 45 9.5		225	15	19.8352	16.4635	7†	3.0328	4.4270		
178	4†	10.5162	19.6992	7	17.8626	7.6232			226	20	20.0237	16.7267	7†	3.2346	4.6738		
179	588	16.7099	19.9020	608	24.0456	7.9590	66 55 8.5		227	388	20.1957	16.0876	24	3.3697	4.0278		
180	20	17.9305	18.9300	14	25.2899	7.9153			228	298	20.2408	16.0263	20	3.4121	3.9628	65 90 9.2	
181	10†	8.6565	20.3627	13	15.9859	8.2523			229	458	20.5933	16.6906	358	3.8000	4.6045	65 91 8.7	
182	27	9.8643	20.4966	338	17.1922	8.4105			230	398	20.7208	16.5508	28	3.9192	4.5559		
183	24	11.4851	20.9493	288	18.8062	8.8965			231	308	21.5503	16.3499	21	4.7352	4.2081		
184	378	11.6419	20.2243	418	18.9761	8.1756	66 50 9.2		232	328	21.9617	16.1402	21	5.1340	3.9758	65 96 9.3	
185	26	11.8588	20.7872	258	19.1794	8.7419			233	27	23.9457	16.2935	16	7.1257	4.0163		
186	10	13.0631	20.3833	14	20.3920	8.3658			234	418	19.7375	17.6492	358	3.0024	5.6119	66 59 9.1	
187	9	14.5040	20.1437	10†	21.8367	8.1537			235	28	19.9057	17.0205	19	3.1316	4.9760		
188				15	10.9584	9.0617			236	10	20.3369	17.0070					
189	11	9.8345	21.4391	13	17.1445	9.3532			237	10	20.7557	17.5928					
190	7	14.0655	21.3200	7	21.3744	9.3221			238	22	21.8266	17.9310	11	5.1060	5.7717		
191	8†	15.8959	21.8369	9†	23.1949	9.8809			239	9	22.0192	17.8125	4†	5.2860	5.6443		
192	828	17.0512	21.4312	948	24.3578	9.4992	66 58 6.8		240	13	23.1569	17.6328	10	6.4155	5.3985		
193	7†	5.8362	22.5577	16	13.1256	10.3861			241	26	19.0872	18.5515	15	2.4102	6.5567		
194	4*	10.1036	22.5255	4	17.3873	10.4470			242	448	20.2045	18.2639	378	3.5033	6.1975	66 60 9.0	
195	288	10.5202	22.2304	288	17.8127	10.1575	66 46 9.5		243	278	21.7847	18.1407	18	5.0782	5.9848		
196	278	11.7521	22.0513	278	19.0451	10.0033	66 49 9.5		244	19	19.5888	19.5409	13†	2.9684	7.5108		
197	9†	11.4848	22.3845	9	18.7745	10.3357			245	15	20.2355	19.6694					
198	17	14.9380	22.3917	18	22.2222	10.4116			246	20	23.1098	19.2958	12	6.4653	7.0563		
199	24	16.0782	22.6225	24	23.3596	10.6680			247	21	19.1670	20.3674	7†	2.5985	8.3589		
200	17†	3.9919	23.3701	20	11.2625	11.1580	66 37 9.5		248	17	20.6854	21.7187	10	4.1861	9.6212		
201	348	5.1930	23.3510	438	12.4638	11.1632	66 38 9.4		249	418	23.5263	21.8518	338	7.0347	9.5861	66 64 9.2	
202	28	13.3253	23.3894	318	20.5899	11.3706			250	18	24.2439	21.9323	18	7.7534	9.6226		
203				11	11.0886	12.6201			251	16*	24.4105	22.6072	12	7.9566	10.2835		
204	6†	6.4641	24.0197	14	13.7184	11.8605	66 41 9.5		252	23	21.9816	23.5701	19	5.5937	11.3903	66 61 9.5	
205	6*	6.0934	24.3914	13	13.3393	12.2219			253	30	22.2409	25.7454	22	5.9843	13.5439	66 63 9.3	
206	20	12.8856	24.5824	20	20.1258	12.5587	66 51 9.5										
207	24	12.8889	24.6025	22	20.1284	12.5792				13	22.0882	26.5091				66 62 9.3	
208	30	14.5927	24.2153	298	21.8398	12.2291				32	24.7434	26.7581				66 66 8.9	
209	298	17.5538	24.2705	198	24.7996	12.3466							908	1.5090	1.5104	65 88 7.6	
210				9	11.5103	13.3494											
211	908	5.3346	25.6991	838	12.5549	13.5134	66 39 7.5										
212	24	6.5542	25.8787	26	13.7673	13.7208	66 42 9.5										
213				12	16.8691	13.3243											
214	21	10.4222	25.6691	23	17.6395	13.5939											
215	10†	14.5637	25.4309	12	21.7843	13.4445											
216	7*	16.6645	25.2493	10	23.8906	13.3069											
217	19	18.1362	25.0323	19	25.3653	13.1222											
	608	9.0659	27.2493				66 43 7.3										
	538	16.8713	26.1794				66 57 7.6										
	708	2.2624	21.5017				66 35 8.2										
				1128	25.9676	1.5672	65 88 7.6										
R.A. 0 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 0 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>								R.A. 0 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 0 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>									
Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1681. 1893, Dec. 9.				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2918. 1895, Oct. 16.				Centre R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 2868. 1895, Sept. 20.				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2918. 1895, Oct. 16.					
218	22	22.8540	14.4788	16†	5.9244	2.2675	°	m.	254	10	4.7155	14.6652				°	m.
219	16*	22.9732	14.2194						255	16	5.8156	14.7102	17	10.7538	2.5907	65 104 9.5	
220	428	23.3398	14.6397	318	6.4215	2.3925	65 99 9.2		256	11	8.1538	14.7930	8†	13.0887	2.7109		
221	26	20.0859	15.3497	15	3.2152	3.2978			257	7	11.7839	14.3190					
222	458	20.6537	15.8409	368	3.8074	3.7549	65 92 8.8		258	238	14.3888	14.6742	23	19.3239	2.6876	65 118 9.4	
223	18	22.6563	15.8601	7†	5.8062	3.6549			259	17	15.1681	14.0030	16	20.1140	2.0311		
									260	10	17.0513	14.6101					
									261	13	4.2627	15.5565	9†	9.1860	3.4153		
									262	13	4.6065	15.2493					
									263	16	8.4504	15.5052	17	13.3737	3.4263		
									264	7	11.3729	15.6652	7†	16.2940	3.6293		
									265	10	19.1105	15.1286					
									266	8	5.4293	16.5506	7*	10.3360	4.4240		
									267	388	6.4346	16.3538	398	11.3472	4.2412	65 105 9.0	
									268	13	6.8408	16.1264	9	11.7573	4.0218		
									269	12	7.6740	16.8151	9	12.5799	4.7220		
									270	25	8.2734	16.9242	21	13.1750	4.8401		
									271	13	10.8816	16.2599	9	15.7939	4.2179		
									272	10	15.9191	16.8160	7†	20.8233	4.8541		

Plate 1681. B. D. 66° 66 is No. 1063 in Espin's list of suspected variables.

1 réseau interval represents very nearly  $5' = 49.2$  of R.A. at Dec. + 66°, and  $51.2$  at Dec. + 67°.



1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}.2}$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}.2}$  at Dec.  $+ 67^{\circ}$ .

R.A. 0 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 0 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.							R.A. 0 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 0 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.								
Centre		R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°		B. D.		Centre		R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°		B. D.	
Plate 2868. 1895, Sept. 20.		Plate 2868. 1895, Sept. 20.		Plate 2918. 1895, Oct. 16.				Plate 2868. 1895, Sept. 20.		Plate 2868. 1895, Sept. 20.		Plate 2918. 1895, Oct. 16.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
273	10	20°0044	16°3082												
274	21§	3°1977	17°5708	27§	8°0927	5°4100	66	65	9°5						
275	10	4°3657	17°7202	7	9°2590	5°5753									
276	7	6°6806	17°3654	5	11°5763	5°2572									
277	25§	8°8144	17°5195	25§	13°7096	5°4444	66	70	9°2						
278	16	8°8909	17°8651	17	13°7758	5°7912									
279	8	10°8677	17°0758	7	15°7644	5°0356									
280	8	11°0920	17°3215	8	15°9894	5°2831									
281	32§	11°8535	17°3831	30§	16°7517	5°3549	66	78	9°4						
282	18	14°1450	17°3377	17	19°0406	5°3480									
283	5	15°8192	17°5725	5*	20°7128	5°6064									
284	22	16°5862	17°7451	17	21°4759	5°7957									
285	24§	17°1661	17°4700	18	22°0625	5°5287									
286	11	19°5001	17°5232												
287	8	20°5309	17°0181												
288	6	20°8775	17°4409												
289	20	3°6687	18°4654	17	8°5483	6°3129									
290	28§	4°2099	18°6118	25	9°0854	6°4669									
291	12	5°3859	18°9190	9	10°2595	6°7938									
292	32§	5°5762	18°4598	31§	10°4572	6°3388	66	67	9°4						
293	31§	6°2313	18°6567	27§	11°1108	6°5418	66	68	9°4						
294	18	7°0157	18°5403	17	11°8939	6°4384									
295	12	7°2785	18°5876	11	12°1609	6°4900									
296	32§	8°8663	18°1200	30§	13°7499	6°0486	66	72	9°2						
297	31§	9°4444	18°6252	27§	14°3197	6°5620	66	73	9°0						
298	15	10°8341	18°9703	16	15°7053	6°9291									
299	9	11°3941	18°3400	7	16°2740	6°3048									
300	37§	11°4711	18°9808	37§	16°3398	6°9491	66	77	9°3						
301	28§	14°0830	18°6663	27	18°9614	6°6758	66	84	9°4						
302	31§	15°1804	18°7724	30§	20°0516	6°8003	66	86	9°2						
303	11	15°6048	18°5050	10	20°4826	6°5396									
304	8	17°0814	18°3386												
305	33§	17°2355	18°8787	29§	22°1096	6°9400	66	89	9°0						
306	10	17°3480	18°6614												
307	40§	17°7270	18°4750	38§	22°6075	6°5445	66	90	8°8						
308	25§	18°9854	18°5518	21§	23°8609	6°6415	66	91	9°5						
309	7	18°5552	18°3733												
310	13	3°3024	19°6096	10	8°1632	7°4512									
311	7†	4°8830	19°1776												
312	23	6°1356	19°5453	16	10°9964	7°4304									
313	8	9°0823	19°0169	7†	13°9524	6°9454									
314	24	9°1174	19°6802	20	13°9758	7°6102									
315	31§	13°7519	19°2957	32§	18°6168	7°2998	66	82	9°0						
316	24§	13°8414	19°2307	22§	18°7077	7°2383									
317	7	14°8139	19°6095	6*	19°6739	7°6236									
318	25§	16°6874	19°1798	21	21°5563	7°2283									
319	9	17°9595	19°1535												
320	18	3°2669	20°3149	13	8°1161	8°1577									
321	18	8°6026	20°5301	15	13°4455	8°4506									
322	11	10°9644	20°5231	8	15°8105	8°4795									
323	18§	12°1598	20°9492	14	16°9962	8°9282									
324	22§	12°4537	20°3453	21	17°3026	8°3284									
325	19§	16°1435	20°1906	17	20°9957	8°2313									
326	20§	16°8882	20°1006	19	21°7441	8°1512									
327	10	17°4115	20°6924	7†	22°2547	8°7513									
328	19§	17°4364	20°8049	13	22°2822	8°8673									
329	19	19°0652	20°2213	20	23°9152	8°3104									
330	12	19°3952	20°9008												
331	11	19°9829	20°7658												
332	25§	20°7326	20°4794	24	25°5810	8°5967									
333	13	4°6189	21°3156	6	9°4535	9°1778									
334	16	7°8304	21°5752	6	12°6640	9°4895									
335	22	8°4799	21°4575	18	13°3147	9°3794									
336	19	8°4829	21°5607	14	13°3158	9°4810									
337	6	8°6619	21°0439	6	13°4991	8°9679									
338	6	8°7692	21°5244	3*	13°5997	9°4502									
339	25§	10°6468	21°4105	24	15°4824	9°3657									
340	6	11°2742	21°7250	5*	16°0988	9°6895									
341	32§	14°9714	21°5898	30§	19°8039	9°6109	66	85	9°3						
342	19	6°7178	22°6312	16	11°5341	10°5285									
343	23	9°4211	22°8752	18	14°2304	10°8112									
344	17	9°9002	22°8401	9	14°7129	10°7872									
345	12	10°7632	22°6409	6	15°5741	10°5988									
346	25§	13°7821	22°9881	22	18°5863	10°9912	66	83	9°3						
347	16§	13°8245	22°9791	12	18°6313	10°9822									
348	19	14°2326	22°6411	17	19°0451	10°6516									
349	19	6°7855	23°0154	11	11°5947	10°9091									
350	40§	7°3302	23°9200	37§	12°1237	11°8212	66	69	9°0						
351	7	12°8797	23°1419	6	17°6840	11°1320									
352	27§	16°8152	23°3755	25	21°6154	11°4284	66	88	9°2						
353	23§	16°9508	23°3600	20	21°7530	11°4143									
354	21	18°3098	23°8161	16	23°1045	11°8901									
355	29§	20°2082	23°3884	28	25°0066	11°4914	66	92	9°5						
356	28§	7°9347	24°9806	17	12°7091	12°8933									
357	21	8°3931	24°8112	10	13°1736	12°7297									
358	40§	8°9476	24°0317	30§	13°7356	11°9606	66	71	9°0						
359	51§	11°9269	24°7853	44§	16°7060	12°7601	66	79	8°3						
360	12	12°3278	24°1947	7	17°1141	12°1760									
361	13	13°5545	24°0996	9	18°3460	12°1006									
362	8	15°2255	24°7886	8	20°0046	12°8152									
363	14	6°1014	25°2180	6	10°8749	13°1012									
364	38§	11°4529	25°3017	29	16°2235	13°2701	66	76	9°3						
365	8	14°8347	25°0114	7	19°6099	13°0347									
366	18	17°2153	25°7595	13	21°9782	13°8180									
367	16	18°8037	25°4578	14	23°5670	13°5405									
	27	3°7914	26°5588				66	66	8°9						
R.A. 0 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 1 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>															
Centre		R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		B. D.		Centre		R.A. 0 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		B. D.	
Plate 2868. 1895, Sept. 20.		Plate 2868. 1895, Sept. 20.		Plate 2406. 1894, Dec. 8.				Plate 2868. 1895, Sept. 20.		Plate 2868. 1895, Sept. 20.		Plate 2406. 1894, Dec. 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
368	15	23°7485	14°6853												
369	13	24°2698	14°9032												
370	10	22°1145	17°6250												
371	13	22°2850	17°9100												
372	30§	23°4686	17°5257	20	4°3054	5°3733	66	95	9°4						
373	14	23°5407	18°8243												
374	14	23°3757	19°2589												
375	13	21°6141	21°0216												
376	15	22°2408	21°5557		</										

Z O N E + 66°.

R.A. 1 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 1 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup>							R.A. 1 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 1 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.						
Centre		R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +66°		R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. +67°		Centre		R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +66°		R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. +67°			
Plate 2923. 1895, Oct. 17.		Plate 2406. 1894, Dec. 8.		Plate 2923. 1895, Oct. 17.		Plate 2406. 1894, Dec. 8.		Plate 2923. 1895, Oct. 17.		Plate 2406. 1894, Dec. 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
379	20	12·4946	14·8171	17*	15·1056	2·7255	437	29	23·8378	25·1076	6*	26·3726	13·1081
380	11	13·1657	14·7242				438	24†	23·8400	25·8046	5*	26·3614	13·8048
381	10	17·7995	14·2691					25	24·6349	21·3811			
382	18	19·5651	14·9193					59§	26·4865	21·6538			
383	21	2·6229	15·6284					58§	24·9249	22·0493			
384	34§	22·5449	15·1021	30*	25·1575	3·0917		51§	1·8094	25·5809			
385	18	22·6637	15·1349										
386	45§	4·1679	16·6377	44§	6·7649	4·4807							
387	14	4·3700	16·2041										
388	15	6·3632	16·7013										
389	12	6·4649	16·3018										
390	17	7·1673	16·3115										
391	27§	8·7880	16·3117	22	11·3864	4·1906							
392	15	17·6658	16·9468										
393	27§	19·9180	16·5923	24	22·5174	4·5587							
394	12	4·6970	17·1815										
395	29§	18·4471	17·3071	24	21·0401	5·2636							
396	42§	20·4750	17·0184	40	23·0738	4·9891							
397	8	12·6095	18·5975										
398	14	16·4650	18·4232										
399	16	23·2619	18·9088										
400	20	9·2498	19·1587	13†	11·8255	7·0406							
401	12	14·8654	19·1280	9†	17·4457	7·0519							
402	23§	16·6440	19·5697	17	19·2206	7·5105							
403	14	22·9427	19·4439										
404	38§	23·6930	19·4651	35	26·2709	7·4609							
405	44§	23·7118	19·6220	42	26·2866	7·6196							
406	15	2·4541	20·3246										
407	17	5·6030	20·3944	9	8·1673	8·2502							
408	47§	23·3444	20·7434	54§	25·9121	8·7380							
409	15	6·2525	21·3372	7	8·8142	9·1992							
410	8	10·0835	21·7945										
411	11	13·0628	21·7748										
412	18	16·9680	21·9530	9	19·5253	9·8981							
413	16	19·5134	21·1837	5*	22·0745	9·1471							
414	13	20·0629	21·5644										
415	33§	9·5724	22·4872	21§	12·1242	10·3737							
416	16	14·3303	22·7420	7	16·8829	10·6672							
417	40§	15·0878	22·1027	31§	17·6442	10·0309							
418	42§	16·0310	22·4991	38§	18·5833	10·4347							
419	27§	17·3040	22·5130	19§	19·8550	10·4599							
420	35	23·2707	22·6021	18	25·8240	10·5983							
421	28§	9·5518	23·4383	15	12·0937	11·3223							
422	25	17·3375	23·6585	12	19·8816	11·6033							
423	14	17·3420	23·5323	9	19·8852	11·4792							
424	15	18·9024	23·1011	9	21·4469	11·0596							
425	13	19·2291	23·3367	4	21·7732	11·2994							
426	24	20·6051	23·3518	17	23·1527	11·3265							
427	26	21·4787	23·7451	16	24·0227	11·7250							
428	11	23·3521	23·1865										
429	11	10·3607	24·3072										
430	22	17·9517	24·5625	9	20·4841	12·5169							
431	16	22·5715	24·4441	4*	25·1074	12·4302							
432	31	11·5575	25·6641	13	14·0834	13·5683							
433	27	15·8164	25·0511	13	18·3473	12·9847							
434	15	17·4335	25·7908	4*	19·9593	13·7391							
435	29	17·9504	25·5828	14	20·4775	13·5395							
436	42§	19·9431	25·1853	32§	22·4740	13·1531							

No. 404. This is not given in the B. D., but is given as No. 266 in the *Christiania (A. G.) Catalogue*. Mag. 9°0.

Plates 2923, 2406. Nos. 404, 405, 437, 438 are measured also on Plates 2947, 587.

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 1 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 1 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.									R.A. 1 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 1 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.										
Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°						Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°			R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°							
Plate 2947. 1895, Nov. 14.			Plate 587. 1892, Oct. 3.						Plate 2947. 1895, Nov. 14.			Plate 587. 1892, Oct. 3.							
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.			
								No.	Mag.									No.	Mag.
485	41 $\frac{1}{2}$	13°12'57	18°38'67	38 $\frac{1}{2}$	13°08'49	6°16'20	66°	135	9°2	542	17	9°7'225	22°15'94	10	9°6'62	9°9541			
486	12	13°6'023	18°9'683	5*	13°5'617	6°7'412				543	10	11°59'61	22°34'50						
487	33 $\frac{1}{2}$	13°7'364	18°38'17	26	13°6'946	6°15'75				544	12	14°12'48	22°7'122						
488	29	15°34'70	18°27'95	18	15°3'031	6°04'53	66	143	9°5	545	33 $\frac{1}{2}$	14°12'61	22°66'22	40 $\frac{1}{2}$	14°10'46	10°43'50	66	137 9°4	
489	16	19°68'85	18°54'49							546	9	14°7'031	22°8'069						
490	12	20°19'11	18°31'92							547	7	19°71'88	22°37'52						
491	11	21°41'84	18°76'61							548	13	21°34'67	22°27'22						
492	14	21°48'39	18°57'11							549	16	24°8'993	22°94'94	8	24°8'732	10°67'12			
493	36 $\frac{1}{2}$	22°38'41	18°61'92	32 $\frac{1}{2}$	22°33'62	6°35'32	66	153	9°1	428	19†	2°06'87	23°30'23	9	2°05'18	11°13'03			
494	35 $\frac{1}{2}$	22°41'40	18°61'31	32 $\frac{1}{2}$	22°36'56	6°34'89				550	31 $\frac{1}{2}$	3°29'94	23°37'18	21	3°27'89	11°19'51			
495	28	22°8'753	18°48'94	18	22°8'285	6°21'89				551	17	4°52'48	23°11'04	9	4°50'19	10°92'93			
496	25 $\frac{1}{2}$	23°30'33	18°85'19	14†	23°26'02	6°58'03				552	18	8°38'35	23°36'74	6†	8°36'29	11°17'00			
497	28	24°22'47	18°46'86	11†	24°18'08	6°18'99				553	10	13°37'07	23°24'50	6†	13°35'16	11°02'26			
498	40 $\frac{1}{2}$	25°21'53	18°04'10	35 $\frac{1}{2}$	25°16'78	5°7'592				554	29 $\frac{1}{2}$	13°49'71	23°78'95	17	13°47'72	11°56'44			
499	45 $\frac{1}{2}$	2°14'36	19°56'54	43 $\frac{1}{2}$	2°10'55	7°39'47				555	10	14°15'32	23°50'36						
500	50 $\frac{1}{2}$	2°17'05	19°72'07	45 $\frac{1}{2}$	2°13'52	7°55'06	66	116	8°1	556	18 $\frac{1}{2}$	14°15'65	23°32'15	9	14°13'64	11°09'44			
501	18	3°72'12	19°18'24	12	2°56'43	7°71'77				557	29 $\frac{1}{2}$	14°53'23	23°86'42	16	14°51'23	11°63'56	66	138 9°5	
502	12	7°11'11	19°31'66							558	30 $\frac{1}{2}$	14°88'49	23°82'60	18	14°86'27	11°59'59	66	140 9°5	
503	27 $\frac{1}{2}$	8°88'84	19°17'83	26 $\frac{1}{2}$	8°84'75	6°97'40				559	43 $\frac{1}{2}$	19°63'66	23°92'00	35 $\frac{1}{2}$	19°61'76	11°66'45	66	148 9°2	
504	12	9°63'15	19°57'08	6†	9°59'46	7°36'40				560	30 $\frac{1}{2}$	20°25'97	23°51'85	23	20°23'52	11°26'31			
505	26 $\frac{1}{2}$	10°54'30	19°71'84	17	10°50'54	7°50'80				561	46 $\frac{1}{2}$	20°64'16	23°16'18	41 $\frac{1}{2}$	20°61'63	10°90'24	66	150 9°4	
506	13	11°11'19	19°08'14	6	11°07'20	6°86'92				562	17	23°51'81	23°19'11	12	23°49'41	10°91'86			
507	19	14°65'16	19°19'35	10	14°61'34	6°96'22				563	24	24°98'14	23°72'75	19	24°95'76	11°44'91			
508	40 $\frac{1}{2}$	15°13'30	19°61'27	31 $\frac{1}{2}$	15°09'29	7°37'91	66	142	9°3	564	26 $\frac{1}{2}$	5°46'18	24°43'95	20	5°44'45	12°25'10			
509	14	16°36'85	19°87'25	7	16°33'31	7°63'54				565	9	10°97'12	24°89'28						
510	25	16°66'29	19°56'62	12	16°62'44	7°32'74				566	8	11°28'06	24°30'06						
511	71 $\frac{1}{2}$	19°01'56	19°07'15	62 $\frac{1}{2}$	18°96'75	6°82'52	66	145	7°4	567	36 $\frac{1}{2}$	17°16'98	24°85'43	24	17°15'39	12°61'34			
512	19	22°55'76	19°74'13	14	22°51'58	7°47'78				568	17	19°17'06	24°18'21	12	19°15'35	11°93'10			
513	39	25°10'02	19°64'61	19	25°06'03	7°36'92	66	155	9°5	569	11	19°76'96	24°62'05	6	19°75'43	12°36'83			
514	15	25°40'36	19°57'63							570	16	20°28'76	24°30'66	8	20°27'26	12°05'05			
515	28 $\frac{1}{2}$	4°41'02	20°78'63	17	4°37'52	8°60'50				437	39	2°68'88	25°18'43	22	2°67'66	13°01'15			
516	28 $\frac{1}{2}$	6°48'32	20°60'86	25	6°44'82	8°41'60				438	27	2°74'28	25°87'97	17	2°73'36	13°70'80			
517	15	7°84'65	20°75'72							571	22	3°02'66	25°70'58	13	3°01'71	13°53'41			
518	23	8°38'85	20°57'81	12	8°35'55	8°37'98				572	21	5°03'15	25°74'56	13	5°01'78	13°56'62			
519	14	8°97'88	20°23'27							573	26 $\frac{1}{2}$	8°51'06	25°97'63	16	8°50'38	13°77'48	66	124 9°3	
520	22	9°67'32	20°74'93	17	9°63'66	8°54'20				574	21	8°77'33	25°74'74	6	8°76'31	13°54'70			
521	15	10°31'09	20°98'11							575	35 $\frac{1}{2}$	10°48'60	25°71'31	39 $\frac{1}{2}$	10°47'58	13°50'32	66	129 9°4	
522	27 $\frac{1}{2}$	12°30'43	20°72'77	20	12°26'97	8°50'86	66	133	9°5	576	19	11°99'29	25°16'50	8	11°98'33	12°94'85			
523	19	14°36'47	20°26'18	8	14°33'05	8°03'22				577	27	13°71'43	25°30'16	22	13°70'30	13°07'60	66	136 9°5	
524	20	19°42'01	20°82'11	11	19°38'57	8°56'92				578	22 $\frac{1}{2}$	14°04'64	25°33'06	11	14°03'46	13°10'23			
525	23	19°66'52	20°78'09	9	19°63'39	8°52'82				579	21 $\frac{1}{2}$	19°20'02	25°09'99	14	19°18'48	12°84'96			
526	53 $\frac{1}{2}$	21°11'59	20°30'46	47 $\frac{1}{2}$	21°08'08	8°04'64	66	151	9°0	580	40 $\frac{1}{2}$	19°58'67	25°08'96	34	19°57'41	12°83'62	66	147 9°1	
527	16	21°85'27	20°34'76	9*	21°81'57	8°08'80				581	25	23°8'335	25°77'72	20	23°8'175	13°50'74			
528	22	22°40'53	20°62'54	11	22°36'65	8°36'03				582	35 $\frac{1}{2}$	8°86'04	26°05'99	21	8°85'28	13°85'80	66	125 9°5	
529	14	22°54'45	20°04'26	6	22°50'32	8°78'08				583	31 $\frac{1}{2}$	9°95'94	26°03'93	18	9°95'38	13°83'04	66	127 9°5	
530	21	23°38'49	20°56'29	10	23°35'22	8°29'11													
531	30 $\frac{1}{2}$	3°22'08	21°41'07	23	3°19'20	9°23'70	66	118	9°0	52 $\frac{1}{2}$	1°88'53	20°86'73	57 $\frac{1}{2}$	19°13'67	1°68'02	65	193 7°0		
532	44 $\frac{1}{2}$	5°08'55	21°54'93	42 $\frac{1}{2}$	5°05'65	9°36'68	66	121	9°0	81 $\frac{1}{2}$	26°56'70	22°86'82	52 $\frac{1}{2}$	1°85'33	8°69'68	66	114 8°0		
533	15	7°92'71	21°18'82	10	7°89'71	8°99'06				69 $\frac{1}{2}$	7°13'71	26°85'65	62 $\frac{1}{2}$	26°54'37	10°58'02	66	156 8°5		
534	14	9°48'66	21°04'79							73 $\frac{1}{2}$	22°01'49	26°94'88				66	122 8°9		
535	29 $\frac{1}{2}$	11°31'56	21°74'32	27 $\frac{1}{2}$	11°28'57	9°52'84	66	131	9°1							66	152 8°1		
536	25 $\frac{1}{2}$	13°77'44	21°54'28	19	13°74'38	9°31'94													
537	35 $\frac{1}{2}$	14°99'38	21°68'08	36 $\frac{1}{2}$	14°96'56	9°45'46	66	141	9°3	R.A. 1 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 1 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup>									
538	14	15°41'51	21°01'64							Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Plate 658. 1892, Nov. 30.			
539	25	20°71'60	21°13'13	17	20°68'52	8°87'34				Plate 1598. 1893, Nov. 12.									
540	58 $\frac{1}{2}$	3°55'77	22°05'62	43 $\frac{1}{2}$	3°53'05	9°88'00	66	119	8°5	584	35 $\frac{1}{2}$	12°89'30	14°74'49	47 $\frac{1}{2}$	10°47'75	2°75'50	65°	212 9°2	
541	32 $\frac{1}{2}$	8°33'33	22°81'22	24 $\frac{1}{2}$	8°30'97	10°61'22	66	123	9°5	585	12	17°36'15	14°50'24	7†	14°94'43	2°47'62			
541	54 $\frac{1}{2}$	8°77'27	22°93'12	56 $\frac{1}{2}$	8°74'73	10													

Plates 2947, 587; B. D. 66° 130, mag. 9°5. There is no star on the plates whose place corresponds to this. There is a star near the place on the Chart Plates of the same fields, apparently fainter than 9°5.

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.

ZONE + 66°.

R.A. 1 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 1 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.								R.A. 1 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 1 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 658. 1892, Nov. 30.				Plate 1598. 1893, Nov. 12.				Plate 658. 1892, Nov. 30.				Plate 1598. 1893, Nov. 12.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
586	16	18°0642	14°3609	20	15°6442	2°3324	°	645	32§	7°9342	25°1610	35§	5°6030	13°2143	66° 162
587	31§	18°2900	14°0398	40§	15°8710	2°0069	65 217	8·8	646	7†	8°7132	25°2289	8	6°3816	13°2763
588	28	20°9179	14°4018	36	18°5010	2°3506	65 218	9·4	647	5*	8°7311	25°2298	7	6°3991	13°2773
589	7	23°1217	14°5198						648	14	14°8557	25°9468	15	12°5300	13°9450
590	10	23°2851	14°0108				65 221	9·5							
591	25	24°6380	14°1856	31	22°2191	2°1048	65 222	9·4							
592	9	4°2175	15°7076									51§	7°5089	1°4317	65 209
593	14	7°5837	15°6782	11†	5°1767	3°7338			66§	17°4620	27°0627	52§	14°5428	1°5392	65 216
594	15	14°2330	15°3089	18	11°8219	3°3089								66 171	8·3
595	11	16°4835	15°2031	10	14°0707	3°1865									
596	7	17°6914	15°5427	6*	15°2842	3°5186									
597	14	19°4967	15°3552	11	17°0867	3°3154									
598	7	23°6453	15°5283												
599	13	7°1919	16°5446	8†	4°7902	4°6016									
600	43§	10°4719	16°8273	44§	8°0723	4°8573	66 167	9·1	649	19	6°4603	14°2588			
601	11	10°9783	16°3365	12	8°5753	4°3642			650	17	6°3717	17°4095			
602	27§	21°1620	16°5458	38	18°7607	4°4916	66 177	9·5	651	14	6°5608	17°1411			
603	7	23°0814	16°8381						652	39§	6°7437	20°0880	57§	25°7039	8°3463
604	26	6°3575	17°4298	24	3°9653	5°4951	66 159	8·9	653	28	6°4344	24°4794	36	25°1162	12°7103
605	7	14°1713	17°5327	8	11°7773	5°5347									
606	20	17°7418	17°8324	28	15°3513	5°8053	66 172	9·5							
607	12	18°8451	17°2282	11	16°4501	5°1958									
608	7	4°1743	18°4107												
609	29	18°2213	18°2516	34§	15°8318	6°2248	66 174	9·2							
610	10	23°6884	18°2140	8*	21°3029	6°1439									
611	10	10°4588	19°3618	10†	8°0815	7°3960			654	39§	7°9088	14°8345	47§	2°7759	3°0798
612	7	22°6233	19°5299	6*	20°2436	7°4679			655	20	8°0036	14°6992			
613	39§	10°2314	20°7759	46§	7°8642	8°8097	66 166	8·7	656	27	10°4158	14°7496	17	5°2841	2°9463
614	18	15°9865	20°2136	25	13°6165	8°2006			657	42§	11°6734	14°3922	48§	6°5318	2°5622
615	68§	18°2884	20°6516	78§	15°9224	8°6220	66 175	7·2	658	26	13°6511	14°1780	18†	8°5068	2°3012
616	15	21°3059	20°1949	17	18°9366	8°1421			659	84§	14°9816	14°5626	98§	9°8409	2°6601
617	26	23°1612	20°5298	27	20°7926	8°4612			660	30	15°4685	14°2670	30	10°3237	2°3572
618	26	9°0785	21°6314	30§	6°7171	9°6749	66 165	9·4	661	11	16°0457	14°2477			
619	19	10°1325	21°3048	21	7°7692	9°3415			662	32§	20°3227	14°1431	23	15°1752	2°1342
620	11	17°2670	21°7221	8	14°9064	9°6971			663	9	23°4496	14°5200			
621	35	22°0810	21°5418	41§	19°7180	9°4833	66 178	9·3	664	16	24°9509	14°3927	9*	19°8072	2°2888
622	45§	5°1782	22°4926	55§	2°8236	10°5661	66 156	8·5	665	27	7°0435	15°8171	13*	1°9333	4°0788
623	27	5°3830	22°6777	36	3°0290	10°7498	66 157	9·4	666	17	11°3126	15°5969	7*	6°1977	3°7706
624	12	7°2711	22°7108	13	4°9183	10°7688			667	15	12°1276	15°1028			
625	7†	10°3814	22°5340	6	8°0268	10°5663			668	39§	15°0218	15°3219	39	9°9007	3°4190
626	31§	11°7595	22°9335	41§	9°4110	10°9555	66 168	9·2	669	10	22°5394	15°5195	4*	17°4222	3°4617
627	7	13°4731	22°0220	7	11°1152	10°0303			670	9	7°3964	16°9493			
628	10	14°5616	22°9705	11	12°2115	10°9714			671	10	9°1550	16°9461			
629	10	16°5362	22°1412	8	14°1798	10°1249			672	16	9°4150	15°9888			
630	13	16°9608	22°6044	14	14°6085	10°5857			673	28§	10°4368	16°0811	19	5°3329	4°2750
631	46§	17°8650	22°8481	58§	15°5135	10°8208	66 173	8·6	674	8	12°5150	16°1043			
632	9*	23°4078	22°7493	7	21°0540	10°6793			675	37§	13°7599	16°0981	34	8°6537	4°2220
633	20	18°9782	23°0310	25	16°6284	10°9955			676	34§	14°8678	16°2106	30	9°7649	4°3114
634	17	19°7790	23°4673	19	17°4353	11°4252			677	26	15°0880	16°9284	15†	9°9994	5°0247
635	8	21°2909	23°1685	9	18°9415	11°1118			678	34§	16°7120	16°9067	35	11°6219	4°9690
636				10	21°0437	11°7178			679	16	17°8764	16°9581	8*	12°7880	4°9938
637	8	11°3565	24°5377	8	9°0210	12°5602			680	7	10°7046	17°8716			
638	42§	19°3252	24°7479	43§	16°9909	12°7097	66 176	8·0	681	26§	10°9052	17°1789	14†	5°8231	5°3611
639	25	19°5022	24°3067	29	17°1623	12°2673			682	21	11°5140	17°2274	11†	6°4329	5°3989
640	10	20°3185	24°2312	10	17°9797	12°1890			683	26	13°3438	17°0213	20	8°2563	5°1543
641	45§	23°3349	24°9768	40§	21°0002	12°9060	66 179	9·5	684	56§	14°6517	17°0146	55§	9°5641	5°1207
642	27	23°3426	24°4510	25	21°0014	12°3806			685	13	15°6946	17°9285	6*	10°6261	6°0103
643				10†	21°8838	12°0309			686	7	16°4405	17°2560	4*	11°3621	5°3257
644	20	5°3911	25°4809	27	3°0616	13°5550			687	18	19°5226	17°1367	12	14°4378	5°1396

1 réseau interval represents very nearly 5' = 49°·2 of R.A. at Dec. + 66°, and 51°·2 at Dec. + 67°.



R.A. 2 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 2 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>								R.A. 2 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 2 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 2 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 2382. 1894, Nov. 21.				Plate 1634. 1893, Dec. 1.				Plate 1691. 1893, Dec. 14.				Plate 1634. 1893, Dec. 1.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.
							No. Mag.								No. Mag.
688	11	22°0749	17°5506				° m.	737	8	6°3749	22°3070	9	23°0657	10°3769	° m.
689	18	11°4503	18°2015	10	6°3903	6°3767		738	12	5°3396	23°4802	15	21°9699	11°4950	
690	27	14°0435	18°3731	21	8°9854	6°4904		739				8	23°7741	13°8554	66 209 9°5
691	24	22°8794	18°8361	28	17°8293	6°7719	66 203 9°0								
692	19	24°5954	18°1674	13*	19°5295	6°0659						164§	26°6635	13°6916	66 213 4°7
693	55§	24°8556	18°7782	46§	19°8030	6°6723	66 206 8°1		14	0°9564	18°9888				66 203 9°0
694	12	7°6667	19°4458						41§	2°9223	18°7813				66 206 8°1
695	13	7°6927	19°5195						39	2°6675	21°5209				66 205 9°3
696	12	17°1648	19°4460	4*	12°1281	7°4976		R.A. 2 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 2 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup>							
697	25	17°9229	19°0331	20	12°8771	7°0710	66 199 9°5	Centre R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°							
698	22	20°1148	19°6594	12	15°0806	7°6510		Plate 1691. 1893, Dec. 14. Plate 703. 1892, Dec. 24.							
699	21	20°4117	19°0175	20	15°3641	7°0023	66 200 9°2	740	26	13°4770	14°8267	25	6°3463	2°8496	65° 266 9°4
700	23	22°2147	19°8803	25	17°1846	7°8289		741	9	14°1549	14°2632	6†	7°0090	2°2706	65 267 9°4
701	5	7°4710	20°3971					742	26	17°2549	14°3586	21	10°1053	2°2976	65 271 9°4
702	9	9°4321	20°1391	7*	4°4133	8°3532		743	28	17°6182	14°7416	26	10°4837	2°6711	65 273 9°4
703	10	9°6142	20°3507				66 186 9°5	744	40§	20°4550	14°9452	46§	13°3222	2°8078	65 278 9°1
704	35§	8°4317	21°4741	31	3°4374	9°7099		745	18	15°1973	15°9525	16†	8°0911	3°9353	65 268 9°5
705	14	9°1528	21°0466					746	5	9°5592	16°6487				66 212 9°5
706	13	9°1570	21°4605	4†	4°1614	9°6791		747	24	16°9536	16°0508	28	9°8450	3°9935	65 270 9°3
707	17	10°2019	21°4688	7†	5°2111	9°666									

## ZONE + 66°.

B. D.								B. D.																							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .																	
							No.								No.																
							Mag.								Mag.																
R.A. 2 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 2 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>																R.A. 3 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 3 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> — <i>contd.</i>															
Centre R.A. 2 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°								Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°															
Plate 2404. 1894, Nov. 30. Plate 703. 1892, Dec. 24.								Plate 724. 1893, Jan. 4. Plate 2963. 1895, Dec. 3.								Plate 2418. 1894, Dec. 19. Plate 2963. 1895, Dec. 3.															
776	56§	4.1261	23.6978	40§	18.3849	11.6795	66° 227	m.	808	23	22.6439	15.6484	37§	10.5060	3.5108	65° 332	m.														
777	26*	8.7505	23.0735	17	23.0370	11.2825		8.4	809				17	10.6729	2.9933	65 333	9.4														
778	28	9.2674	22.8340	26	23.5653	11.0692	66 229	9.5	810	27	23.1965	15.5426	45§	11.0533	3.3811	65 334	9.3														
779	33§	10.2965	23.2795	31	24.5706	11.5639	66 231	9.4	811				17	8.7134	4.8843																
780	41§	11.8829	25.1387	50§	26.0641	13.4976	66 232	8.8	812				8	5.1970	5.0966																
									813				19	10.0339	5.4289																
									814				7	12.7356	5.1993																
									815	33§	17.7352	18.2579	43§	5.7076	6.3185	66 246	8.0														
									816	8	18.5828	18.3497	26	6.5588	6.3763																
									817				19	5.6294	7.4827																
									818				12	8.6230	7.9371																
									819				20	9.5012	7.8387																
									820				16	9.6638	7.1888																
									821				9	10.0689	7.1307																
									822	35§	14.2964	20.3356	53§	2.3547	8.5307	66 244	8.0														
									823				11	8.9315	8.5486																
									824				17	12.5536	8.3496																
									825				17	5.0667	9.5807																
									826	10	17.1243	21.4357	31	5.2248	9.5196																
									827	21§	20.6284	21.7733	38§	8.7419	9.7130	66 249	8.9														
									828	19	20.6354	21.7949	30§	8.7504	9.7346																
									829	37§	15.4367	22.4017	43	3.5768	10.5511	66 245	8.8														
									830	58§	23.5943	22.7769	70§	11.7466	10.5926	66 251	8.0														
									831	21	23.6587	22.6095	38§	11.8039	10.4255	66 252	9.2														
									832				20	2.9763	11.9077																
									833				14	3.1133	11.7077																
									834				7	4.9671	11.5454																
									835				15	5.9342	11.4977																
									836				9	8.5030	11.4095																
									837				9	8.8085	11.0415																
									838				21	9.0758	11.8607																
									839	21	20.4157	24.4300	32	8.6364	12.3790	66 248	9.2														
									840				28	12.8111	12.5906																
									841				29	11.0624	13.7802																
										46§	18.3858	26.2813				66 247	8.3														
										80§	26.4131	24.7076				66 253	7.8														
R.A. 2 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 3 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>																R.A. 3 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 3 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup>															
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°								Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°								Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°															
Plate 724. 1893, Jan. 4. Plate 1641. 1893, Dec. 1.								Plate 2418. 1894, Dec. 19. Plate 2963. 1895, Dec. 3.								Plate 2418. 1894, Dec. 19. Plate 2963. 1895, Dec. 3.															
795	26	4.1836	15.5522	38	16.3555	3.4697	65° 311	m.																							
796	29§	5.0552	16.1733	46§	17.2030	4.1213	65 313	9.0																							
797	16	10.2869	19.3981	22	22.3159	7.5378	66 241	9.5																							
798	22	7.3149	20.1057	36	19.3203	8.1371																									
799	20	4.8941	23.9746	34	16.7550	11.9132	66 240	9.5																							
800	16	7.1570	24.8118	28	18.9867	12.8312																									

Plates 2404, 1641, B. D. 66° 234, mag. 9.5. There is no star on the plates whose place corresponds with this. There is a star near the place on the Chart Plates of the same fields, apparently fainter than 9.5 mag.

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.



## ZONE + 66°.

R.A. 3 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 3 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> —contd.								R.A. 3 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 3 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup>							
Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2418. 1894, Dec. 19.				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2963. 1895, Dec. 3.				Centre R.A. 3 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2418. 1894, Dec. 19.				R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 3015. 1896, Feb. 22.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
858				9	17°35'99	7°77'95		910	28	19°21'88	14°85'01	18	4°68'19	2°91'89	
859	13	8°69'15	19°20'00	21	18°33'62	7°23'68		911	14	18°38'02	15°94'41	11†	3°89'82	4°05'63	
860	10	15°44'45	19°42'11	16	25°08'27	7°67'10		912	13	22°54'63	15°47'06	10	8°03'29	3°37'99	
861				9	25°20'47	7°78'33		913				8	9°68'87	3°72'02	
862	34	6°66'05	20°61'49	31	16°26'24	8°58'37	66 256	914	22	19°39'23	16°66'23	17	4°94'14	4°72'28	
863	6	7°71'27	20°87'49	10	17°30'31	8°87'84		915	19	23°55'26	16°35'13	18	9°07'82	4°21'51	
864	6*	8°38'08	20°19'04	10	17°99'48	8°21'29		916	18	23°20'42	17°99'02	11	8°81'13	5°86'65	
865				11	19°10'01	8°14'21		917	14	24°40'27	17°44'40	13	9°98'15	5°26'10	
866	12	15°14'91	20°44'22	13	24°75'21	8°68'14		918	23	19°20'97	18°08'08	15	4°82'47	6°14'89	
867	9	4°40'35	21°19'86	14	13°98'43	9°09'78		919	20	22°13'79	18°12'45	16	7°75'44	6°05'18	66 273
868	33	5°73'48	21°86'24	33§	15°30'05	9°80'44	66 254	920	18	23°77'67	18°34'03	14	9°40'05	6°18'92	66 276
869	30	7°71'89	21°43'86	29§	17°29'05	9°44'18	66 259	921	33§	18°53'70	18°96'76	22	4°20'14	7°06'13	66 268
870	34	7°96'73	21°90'22	29§	17°52'45	9°91'64		922	17	22°28'48	19°80'03	13	7°98'00	7°71'75	
871				6	20°51'98	9°85'60		923	6*	22°63'58	20°03'04	6	8°34'08	7°93'23	
872				6	20°73'35	9°69'20		924	38§	22°99'26	19°92'04	27§	8°69'01	7°80'47	66 274
873	13	15°76'41	21°14'10	14	25°34'23	9°40'44		925	21	23°05'20	19°49'19	13	8°72'74	7°37'52	
874	13	3°67'10	22°79'15	23	13°20'30	10°66'87		926	20	22°69'06	20°80'81	15	8°43'26	8°70'57	
875				9	15°14'03	10°67'87		927	16	20°07'02	20°99'07	12	5°82'27	9°01'44	
876	26	6°64'51	22°99'83	28§	16°17'16	10°96'85		928				9	6°84'03	9°38'05	
877				9	16°18'60	10°61'41		929	24	23°10'65	21°22'24	17	8°86'68	9°10'21	
878	13	7°71'54	22°20'82	18	17°26'92	10°21'13		930	43§	23°59'16	21°46'93	25	9°36'41	9°32'46	
879				7	18°54'71	10°66'59		931	15†	23°36'97	22°69'01	13	9°20'23	10°55'24	
880				7	19°56'97	10°25'56		932	35	23°88'25	22°86'07	19§	9°71'88	10°69'97	
881	8*	10°70'71	22°85'90	10	20°23'17	10°95'95		933				7	3°24'28	11°60'32	
882	28§	14°25'95	22°72'36	31§	23°78'73	10°93'52		934	13	18°28'82	23°44'10	12	4°16'40	11°54'91	
883	4*	14°93'38	22°54'52	7	24°47'42	10°77'86		935	21	20°30'94	23°46'91	14	6°17'87	11°47'56	
884				7	13°31'52	11°94'54		936	29	21°99'46	23°93'90	30	7°88'84	11°86'37	66 272
885				7	13°46'31	11°22'42		937				7	8°52'56	11°64'92	
886	42§	7°85'19	23°56'95	41§	17°35'52	11°57'50	66 258	938				10	8°55'72	11°66'94	
887	39§	7°84'43	23°20'05	34§	17°36'17	11°20'36	66 257	939				9	9°81'71	11°43'59	
888	42§	9°27'28	23°63'24	40§	18°77'54	11°68'57	66 262	940				12	9°29'59	12°09'01	
889				7	19°37'30	11°96'56		941				7	9°33'11	12°65'34	
890	38§	9°87'45	23°20'99	36§	19°38'83	11°28'13	66 264	942				10	3°52'20	13°65'52	
891	47§	11°31'54	23°50'16	46§	20°82'26	11°62'34	66 266	943	76§	22°90'39	25°40'91	34§	8°86'44	13°28'88	66 275
892				7	21°90'41	11°92'90									
893	14	15°79'81	23°49'84	12	25°30'34	11°75'75						43§	5°56'33	1°55'32	65 347
894				7	13°83'09	12°54'72		76§	19°39'88	27°00'03					66 269
895	64§	5°15'92	24°48'78	56§	14°63'60	12°40'81	66 253	26§	19°74'48	26°66'10					66 270
896	29	6°17'50	24°55'01	32§	15°65'21	12°50'36	66 255								
897				10	16°96'57	12°48'09									
898	8†	8°87'10	24°86'31	15	18°33'52	12°89'98									
899				6	21°96'46	12°68'62									
900	9	12°69'60	24°14'16	19	22°18'09	12°30'67									
901	10	15°63'02	24°29'13	15	25°10'89	12°54'78									
902	14*	15°89'17	23°81'37	18	25°38'48	12°07'84									
903				14	15°98'56	13°10'85									
904				10	16°57'30	13°52'29									
905	13*	9°68'57	25°33'68	13	19°14'29	13°40'04									
906				6	20°29'50	13°74'84									
907	50§	11°41'85	25°24'64	47§	20°86'82	13°36'22	66 267								
908				8	22°46'08	13°88'56									
909	22	15°87'54	25°48'24	17	25°31'53	13°74'14									
	98§	1°22'96	14°24'98				65 335								
	43§	2°26'40	22°59'75				66 252								
	79§	2°21'05	22°77'10				66 251								
	69§	10°50'52	27°11'03				66 265								

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.

ZONE + 66°.

R.A. 3 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 3 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 3 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 3 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.									
Centre		R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		B. D.		Centre		R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		B. D.			
Plate 2419. 1894, Dec. 19.		Plate 3015. 1896, Feb. 22.		Plate 3015. 1896, Feb. 22.		No. Mag.		Plate 2419. 1894, Dec. 19.		Plate 3015. 1896, Feb. 22.		Plate 3015. 1896, Feb. 22.		No. Mag.			
No.	Diam.	x.	y.	Diam.	x.	y.			No.	Diam.	x.	y.	Diam.	x.	y.		
959	17	5'3695	16'9932	11	12'6948	4'8734	°	m.	1018	1248	14'6149	24'6430	668	21'7556	12'7413	66° 284	6'2
960				10	11'4660	5'7926			1019	808	18'8673	24'3216	548	26'0134	12'5213	66 290	7'7
961	32	6'5982	17'1803	20	13'9193	5'0895			1020	20†	4'9506	25'9006	16	12'0623	13'7664		
962	35	9'6895	17'4250	20	17'0046	5'4068			1021	28	6'5655	25'1375	20	13'6974	13'0430		
963	24	13'0443	17'2065	22	20'3646	5'2695			1022				8	17'2512	13'8824		
964	31	15'8803	17'5796	22	23'1882	5'7114							488	24'3522	1'9099	65 363	8'9
965	10	16'3845	17'4891	9†	23'6963	5'6338							388	24'4272	1'7332	65 364	9'0
966				198	14'0780	5'9311	66 278	8'8	798	1'7380	25'5002					66 275	9'5
967	458	6'7763	18'0147	148	14'0735	5'9253											
968	26	8'5294	18'0202	19	15'8282	5'9784	66 280	9'2									
969	26	9'6833	18'1492	15	16'9822	6'1338											
970	20	15'1074	18'6050	17	22'3905	6'7191											
971	23	18'0847	18'5498	19	25'3693	6'7354											
972				8	10'2981	7'6720											
973				7	10'3532	7'2951											
974	10†	3'5807	19'8730	10	10'8373	7'7078											
975	29	4'3955	19'3848	228	11'6634	7'2413											
976	12*	8'1102	19'0444	11	15'3857	6'9889											
977	28	9'3671	19'7247	20	16'6279	7'6973											
978	5†	11'0523	19'4842	8	18'3178	7'5013											
979	448	16'0003	19'1791	308	23'2667	7'3142	66 285	8'5									
980	6	15'9832	19'1675	7	23'2510	7'2980											
981	35	3'1074	20'9678	19	10'3390	8'7921											
982	14	9'8397	20'5963	14	17'0812	8'5833											
983	29	11'4234	20'0464	20	18'6749	8'0697											
984	31	18'1879	20'2329	22	25'4355	8'4219	66 287	9'1									
985	27	18'6261	20'7319	17	25'8617	8'9298											
986	4†	7'3818	21'5684	8	14'6009	9'4978											
987	36	7'6854	21'0693	22	14'9151	9'0032											
988	19	7'7548	21'5208	15	14'9734	9'4581											
989	35	8'2451	21'5368	23	15'4647	9'4834											
990	528	8'4490	21'4840	368	15'6668	9'4368	66 279	8'5									
991	12	9'4015	21'1600	11	16'6266	9'1358											
992				9	18'0465	9'3434											
993	30	11'2429	21'2493	22	18'4671	9'2695	66 281	9'5									
994	34	11'3028	21'7294	24	18'5160	9'7496	66 282	9'5									
995	15	13'4676	21'6490	13	20'6819	9'7212											
996	9†	14'8148	21'2283	13	22'0366	9'3316											
997	27	16'2004	21'7003	19	23'4109	9'8365											
998	26	18'2134	21'7678	19	25'4222	9'9534											
1999				10	17'2327	10'7258											
1000				8	19'0253	10'2621											
1001	17	12'7274	22'6703	13	19'9144	10'7269											
1002	408	18'4024	22'3415	368	25'5960	10'5345	66 288	9'0									
1003				12	10'5768	11'4078											
1004				13	11'0834	11'3349											
1005	17†	4'1530	23'3497	17	11'3282	11'1972											
1006	7†	6'8033	23'5576	14	13'9723	11'4701											
1007	22	9'4851	23'5204	14	16'6541	11'4994											
1008				10	17'3796	11'3362											
1009	25	12'7595	23'4162	19	19'9273	11'4733											
1010				11	19'9578	11'4294											
1011				11	22'6937	11'3070											
1012				11	13'7837	12'2738											
1013				11	14'4741	12'1038											
1014				5	15'6791	12'2385											
1015	7*	9'5338	24'3677	4	16'6810	12'3503											
1016	16	9'9543	24'1259	14	17'1059	12'1154											
1017	428	10'4432	24'8409	278	17'5824	12'8396											

R.A. 3 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 3 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>							
Centre		R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		B. D.	
Plate 2419. 1894, Dec. 19.		Plate 2995. 1896, Feb. 4.		Plate 2995. 1896, Feb. 4.		No. Mag.	
No.	Diam.	x.	y.	Diam.	x.	y.	
1018	1248	14'6149	24'6430	668	21'7556	12'7413	66° 284 6'2
1019	808	18'8673	24'3216	548	26'0134	12'5213	66 290 7'7
1020	20†	4'9506	25'9006	16	12'0623	13'7664	
1021	28	6'5655	25'1375	20	13'6974	13'0430	
1022				8	17'2512	13'8824	
				488	24'3522	1'9099	65 363 8'9
				388	24'4272	1'7332	65 364 9'0
	798	1'7380	25'5002				66 275 9'5
R.A. 3 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 3 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>							
Centre		R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		B. D.	
Plate 2419. 1894, Dec. 19.		Plate 2995. 1896, Feb. 4.		Plate 2995. 1896, Feb. 4.		No. Mag.	
No.	Diam.	x.	y.	Diam.	x.	y.	
1023	17	21'3696	14'9196	10*	4'3304	2'8833	° m.
1024	10	21'9542	14'8399				
1025	468	22'0235	14'1596	468	4'9456	2'0860	65 372 9'2
1026	22	22'1734	14'0738	10†	5'0864	1'9936	
1027	26	22'4822	14'7907	13	5'4364	2'6918	
1028	418	23'8669	14'4051	26	6'7990	2'2252	65 374 9'5
1029	29	19'4855	18'8265	15	2'6750	6'8912	
1030	31	20'5704	18'9049	17	3'7634	6'9073	
1031	26	21'1537	18'0875	19	4'2954	6'0549	
1032	18	19'4423	19'2090	12†	2'6537	7'2737	
1033	10	19'6731	20'0776				
1034	18	20'7010	20'5108	17	3'9845	8'5016	
1035	38	21'9005	21'9754	288	5'2595	9'8972	66 292 9'4
1036	27	19'7056	22'7494	15	3'1141	10'7929	
1037				10	7'2671	11'2047	66 293 9'5
1038				12	2'7837	13'4267	
				308	1'7911	10'4603	66 288 9'0
				528	2'3685	12'4103	66 290 7'7
R.A. 3 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 3 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>							
Centre		R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°		B. D.	
Plate 2376. 1894, Nov. 19.		Plate 2995. 1896, Feb. 4.		Plate 2995. 1896, Feb. 4.		No. Mag.	
No.	Diam.	x.	y.	Diam.	x.	y.	
1039	24	5'2259	14'1901	18	10'1865	2'1921	° m.
1040	15	10'7552	14'8388	9*	15'7059	2'9238	
1041	15	11'6855	15'0618	11	16'6341	3'1544	
1042	31	12'5415	15'2458	25	17'4858	3'3511	65 384 9'5
1043	358	15'3407	15'9896	26	20'2745	4'1381	66 302 9'4
1044	408	16'6560	15'1168	358	21'6054	3'2859	65 389 9'3
1045	17	18'2784	15'1822	11*	23'2257	3'3747	
1046	6†	7'3539	16'0998	9	12'2850	4'1320	
1047	308	8'7871	16'8124	338	13'7088	4'8660	66 297 9'5
1048	13	14'2578	16'9183	7	19'1768	5'0524	
1049	26	20'1273	16'3992	12*	25'0558	4'6150	
1050	12	6'2754	17'3721	8†	11'1856	5'3862	
1051	16	14'4192	17'9498	14	19'3243	6'0846	
1052	16	15'5554	17'3695	11*	20'4664	5'5190	
1053	8	15'6817	17'3385	4*	20'5921	5'4915	
1054	8	19'0184	17'1600				
1055	21	4'5267	18'8031	16	9'4176	6'7947	
1056	20	8'0823	18'5365	15	12'9767	6'5788	
1057	24	9'8721	17'9793	18	14'7854	6'0471	
1058	11	15'7453	18'0564	6*	20'6479	6'2067	
1059	26	7'3289	19'9041	22	12'2052	7'9342	

Nos. 966, 967. This is a close double star, the components of which are not separated on Plate 2419.

No. 988. This is No. 617 in the *Christiania (A. G.) Catalogue*. It is there noted as possibly double. There is no close star on the plates other than No. 987.

1 *rescan* interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec.  $+66^{\circ}$ , and  $51^{\circ}.2$  at Dec.  $+67^{\circ}$ .



## ZONE + 66°.

R.A. 3 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 3 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.							R.A. 4 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 4 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.						
Centre R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°							Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°						
Plate 2370. 1894, Nov. 19. Plate 2995. 1896, Feb. 4.							Plate 2986. 1896, Feb. 2. Plate 1645. 1893, Dec. 1.						
No	Diam.	x.	y.	Diam.	x.	y.	No	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
1060	12	4.8353	19.1756	12	9.7233	7.1682	1102	24	7.8433	16.1982	27	10.2366	4.2465
1061	16	7.9941	19.1222	13	12.8798	7.1635	1103	12	8.3525	16.8349	15	10.7390	4.8868
1062	10	16.9734	19.2706	10†	21.8568	7.4437	1104	7	12.0474	16.0740	10*	14.4408	4.1522
1063	20	14.9327	20.1317	21	19.8055	8.2709	1105	6	12.1964	16.0872			
1064	15	15.4364	20.3955	10	20.3073	8.5438	1106	30§	15.1401	16.5217	47§	17.5309	4.6198
1065	13	17.7533	20.7756	9†	22.6156	8.9570	1107	8	16.7006	16.6956			
1066	28	3.3249	21.2663	26	8.1818	9.2418	1108	16	19.0676	16.3363	12*	21.4618	4.4670
1067	40§	4.6254	21.1703	32§	9.4836	9.1602	1109	42§	3.3584	17.6756	47§	5.7406	5.6899
1068	32	5.5273	21.0739	26§	10.3851	9.0817	1110	11	4.0336	17.2460	11*	6.4178	5.2696
1069	29	6.8234	21.4510	28	11.6744	9.4740	1111	30§	5.1120	17.4245	34	7.4924	5.4520
1070	11	16.1135	21.8385	11	20.9601	9.9978	1112	14	12.9739	17.6796	15	15.3545	5.7641
1071	18	20.0469	21.1843	8†	24.9034	9.3997	1113	21	13.7484	17.4162	28	16.1300	5.5058
1072	26	7.3682	22.3144	24	12.2104	10.3475	1114	14	16.4520	17.1497	16	18.8387	5.2608
1073	33§	9.7763	22.7138	29§	14.6093	10.7822	1115	11	16.5209	17.5758	8*	18.9049	5.6863
1074	9	17.9769	22.6246	9†	22.8132	10.8080	1116	30§	22.3576	17.3206	67§	24.7440	5.4712
1075	10†	3.5107	23.3521	15	8.3341	11.3276	1117	10	7.4080	18.7012	9†	9.7808	6.7465
1076	56§	11.0127	22.9828	46§	15.8417	11.0680	1118	12	8.6297	18.6887	13*	11.0032	6.7421
1077	42§	9.5131	24.8479	35§	14.3165	12.9081	1119	12	10.3204	18.8343	13	12.6931	6.9014
1078	25	9.8667	24.4472	26§	14.6775	12.5133	1120	12	18.3122	18.2967	14*	20.6901	6.4217
1079	31	9.8897	24.1089	30§	14.7056	12.1770	1121	23	20.7186	18.7511	22	23.0920	6.8944
1080				10	15.3952	12.4676	1122	22	21.2566	18.8769	22†	23.6271	7.0208
1081	17	12.6851	24.1305	13	17.5018	12.2397	1123	20	3.4483	19.1547	27	5.8188	7.1717
1082	13	19.9037	24.1070	12*	24.7162	12.3237	1124	26	12.6076	19.9972	36	14.9734	8.0808
1083	15	8.5845	25.6746	19	13.3759	13.7243	1125	12	13.5456	19.2876	12	15.9164	7.3763
1084				9	16.7217	13.2217	1126	26	18.1606	19.4589	28	20.5277	7.5819
				53§	26.6091	9.2036	1127	26	19.0721	19.8569	35	21.4388	7.9884
							1128	12	19.3581	19.7759	13†	21.7286	7.9080
							1129	8	21.3560	19.0419			
							1130	35§	22.4667	19.5634	51	24.8340	7.7179
							1131	24	3.5256	20.3285	37	5.8886	8.3458
							1132	16	4.0039	20.7925	19	6.3632	8.8119
							1133	12	8.7900	20.1409	12*	11.1554	8.1976
							1134	7	14.5856	20.5281	7*	16.9467	8.6248
							1135	7	15.4095	20.3474			
							1136	16	19.4942	20.3026	15	21.8567	8.4354
							1137	9*	2.8487	21.3015	15	5.2026	9.3140
							1138	18	8.0761	21.8093	21	10.4256	9.8612
							1139	15	15.0126	21.8079	19	17.3634	9.9071
							1140	11	17.9724	21.3314	12†	20.3262	9.4567
							1141	29§	18.5301	21.8826	38§	20.8772	10.0081
							1142	11	22.0261	21.2413	12*	24.3784	9.3945
							1143	12*	3.0255	22.2819	12	5.3752	10.2963
							1144	22	5.2897	22.6323	29	7.6371	10.6635
							1145	40§	9.0935	22.3125	56§	11.4413	10.3661
							1146	11†	11.3970	22.2435	10	13.7443	10.3159
							1147	44§	19.0336	22.6701	61§	21.3789	10.7973
							1148	11	20.2860	22.7043	12*	22.6298	10.8440
							1149	38	3.5160	23.2324	36§	5.8562	11.2496
							1150	19	7.7878	23.7531	24	10.1230	11.8014
							1151	22	8.9779	23.4936	31§	11.3155	11.5537
							1152	17	9.2598	23.4004	17	11.5981	11.4597
							1153	70§	9.3299	23.9449	98§	11.6624	12.0027
							1154	12	9.5004	23.6863	18	11.8386	11.7486
							1155	14	12.1686	23.7553	16	14.5045	11.8345
							1156	11	13.5064	23.0533	11	15.8477	11.1449
							1157	22	14.8051	23.1036	25	17.1473	11.2024
							1158	12	15.3744	23.5206	12	17.7138	11.6230
							1159	13	16.5780	23.6740	17	18.9148	11.7857
							1160	29	16.8176	23.5483	36	19.1570	11.6593

R.A. 3 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 4 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>							R.A. 4 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 4 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup>						
Centre R.A. 3 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°							Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°						
Plate 2370. 1894, Nov. 19. Plate 1645. 1893, Dec. 1.							Plate 2986. 1896, Feb. 2. Plate 1645. 1893, Dec. 1.						
No	Diam.	x.	y.	Diam.	x.	y.	No	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
1085	25	21.0746	15.9661	27*	1.7367	4.1297	1094	31§	2.6873	14.5772	49	5.0903	2.5856
1086	13	22.9649	15.1350				1095	30§	4.5414	14.6777	46	6.9438	2.7018
1087	41§	22.4707	19.4005	54§	3.3502	7.4646	1096	9	8.3787	14.2349	6*	10.7844	2.2860
1088	28	21.5161	20.5440	35	2.4724	8.6701	1097	26	21.8063	14.3878	37*	24.2105	2.5388
1089	16	21.5332	20.0281				1098	6	13.5055	15.4849			
1090	17	21.7138	20.6675	15†	2.6767	8.7785	1099	15	19.7458	15.2615	4*	22.1412	3.3969
1091	47§	21.7500	20.9583	50§	2.7332	9.0671	1100	20	20.5180	15.3044	11*	22.9177	3.4446
1092	25	23.6840	20.0128	24	4.6028	7.9968	1101	29§	6.6849	16.2375	42	9.0758	4.2741
1093	48§	22.6549	24.8317	40§	3.8892	12.8716							
	43§	26.3644	14.8796										
	32	26.7333	17.6600										

## ZONE + 66°.

R.A. 4 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 4 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 4 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 4 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 2986. 1896, Feb. 2.				Plate 1645. 1893, Dec. 1.				Plate 2987. 1896, Feb. 2.				Plate 1646. 1893, Dec. 1.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.				

No. 1193. This star is not seen on Plates 2986, 1645; it is within the limits measured on those plates.

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67



## ZONE + 66°.

R.A. 4 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 4 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.								R.A. 4 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 4 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 2421. 1894, Dec. 19.				Plate 1647. 1893, Dec. 1.				Plate 2421. 1894, Dec. 19.				Plate 1647. 1893, Dec. 1.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
1253	15	15°60'48	14°81'63	10*	13°06'49	2°78'66	° m	1312	10	11°53'21	20°56'72				° m
1254	32§	19°19'96	14°23'88	33	16°65'63	2°18'09	65 447 9°5	1313	26	12°09'89	20°63'90	29	9°60'40	8°63'44	66 365 9°5
1255	14	22°67'09	14°97'14					1314	7	12°19'22	20°80'73	10*	9°69'99	8°80'23	
1256	18	5°42'45	15°10'67					1315	34§	12°35'44	20°73'34	40§	9°86'04	8°72'65	
1257	38§	9°75'69	15°14'51	43	7°22'03	3°15'89	66 359 9°4	1316	14	17°77'28	20°92'90	14†	15°28'09	8°88'11	
1258	10	12°08'22	15°97'22					1317	17	18°47'54	20°94'19	15†	15°98'20	8°89'07	
1259	22	13°19'04	15°17'52	22*	10°65'46	3°16'66		1318	16	18°94'27	19°93'80	13†	16°44'13	7°88'22	
1260	11	13°63'42	15°36'93	11*	11°09'98	3°35'50		1319	24	18°89'12	20°02'70	22	16°39'08	7°97'35	
1261	8	15°54'48	15°12'80	7*	13°00'85	3°09'94		1320	28§	19°14'26	20°23'66	32§	16°64'28	8°17'83	66 369 9°5
1262	11	19°43'82	15°20'20					1321	14	19°17'64	20°19'65	13†	16°67'70	8°13'88	
1263	12	19°93'42	15°86'75	10*	17°40'33	3°80'77		1322	14	21°58'37	20°18'59	16*	19°08'27	8°11'15	
1264	8	20°75'61	15°40'07					1323	27	24°29'69	20°38'18	26†	21°79'83	8°28'86	
1265	9	23°48'33	15°67'16					1324	22	10°13'23	21°47'93	23	7°64'28	9°49'18	
1266	13	5°03'49	16°04'75					1325	8	12°50'36	21°32'35	11*	10°01'42	9°31'22	
1267	25	7°68'09	15°98'87	18†	5°14'98	4°01'97		1326	20	13°74'00	21°65'40	18	11°25'16	9°63'45	
1268	22	9°07'29	16°82'54	17*	6°54'88	4°84'83		1327	24	14°25'54	21°82'23	28	11°76'81	9°80'14	66 366 9°5
1269	173§	9°33'31	16°08'85	162§	6°80'72	4°10'67	66 358 5°0	1328	13	14°95'86	21°46'43	13†	12°47'04	9°43'64	
1270	27	10°37'97	16°28'01	24	7°85'21	4°28'91		1329	13	15°49'53	21°20'52	10*	13°00'50	9°17'51	
1271	11	10°67'08	16°36'49					1330	22	18°65'20	21°35'72	24	16°16'26	9°30'39	
1272	17	15°37'75	16°82'91	18*	12°85'29	4°80'10	66 367 9°5	1331	18	22°18'67	21°62'25	26	19°69'57	9°54'23	
1273	30	15°85'47	16°97'53	28	13°33'26	4°94'66		1332	9	24°18'86	21°99'06	18	21°69'90	9°89'38	
1274	17	16°18'34	16°37'69	18	13°65'42	4°34'30		1333	33§	11°95'78	22°45'50	29§	9°47'93	10°45'20	66 364 9°5
1275	10	17°45'71	16°81'16	8*	14°93'30	4°76'73		1334	21	12°77'85	22°15'35	18	10°29'75	10°14'40	
1276	17	22°02'79	16°16'11	10*	19°50'05	4°08'41		1335	23	17°47'87	22°04'29	15	14°99'34	9°99'72	
1277	22	22°04'29	16°06'97	16†	19°51'35	3°99'18		1336	103§	19°62'66	22°27'65	101§	17°14'12	10°21'49	66 370 7°0
1278	8	5°87'30	17°69'31					1337	31	23°18'09	22°57'32	28	20°69'84	10°48'49	
1279	20	6°61'54	17°64'40	17*	4°09'76	5°67'74		1338	16	23°25'66	22°41'84	19	20°77'21	10°33'33	
1280	46§	6°78'18	17°94'68	33§	4°26'35	5°98'30	66 357 8°0	1339	11*	24°81'28	22°98'15	20	22°33'29	10°88'35	
1281	60§	9°81'53	17°23'89	57§	7°29'52	5°25'28	66 360 8°2	1340	38	4°82'11	23°44'37	36	2°34'97	11°49'56	66 352 9°0
1282	7	10°76'91	17°80'74	7*	8°25'34	5°81'27		1341	21	5°81'75	23°15'61	17†	3°34'22	11°20'03	
1283	20	19°00'89	17°54'09	20	16°48'96	5°48'45		1342	24	8°76'09	23°98'21	25	6°28'97	12°00'11	
1284	11	19°47'25	17°97'65	12†	16°95'63	5°92'02		1343	70§	10°99'16	23°21'49	71§	8°51'56	11°21'77	66 362 8°3
1285	17	19°98'42	17°93'50	16†	17°47'09	5°87'14		1344	19	15°68'69	23°88'28	19	13°21'78	11°85'10	
1286	31	20°43'79	17°86'04	36	17°92'24	5°79'35		1345	15	18°29'42	23°78'52	17†	15°82'37	11°73'59	
1287	11	24°19'16	17°05'42					1346	41	22°13'86	23°82'89	37§	19°66'52	11°74'93	66 373 9°5
1288	49§	4°57'32	18°39'90	74§	2°06'04	6°45'26	66 353 7°7	1347	23	7°88'77	24°80'31	22	5°42'44	12°83'12	
1289	29	4°60'69	18°37'64	25†	2°09'31	6°43'10		1348	13	10°22'07	24°82'37	19	7°75'77	12°83'52	
1290	7	8°57'53	18°27'36					1349	29	15°84'22	24°09'80	29§	13°37'33	12°06'53	
1291	7	9°96'02	18°85'75	7*	7°45'34	6°86'91		1350	21	15°98'10	24°81'80	28	13°51'80	12°78'30	
1292	16	10°23'81	18°16'04	12*	7°72'44	6°17'22		1351	19	15°99'15	24°12'46	21	13°52'22	12°09'00	
1293	22	13°52'16	18°84'28	24	11°01'39	6°82'78		1352	23	17°65'85	24°62'71	28	15°19'12	12°58'30	
1294	10	16°31'15	18°97'58	14*	13°80'22	6°93'90		1353	8*	19°88'23	24°59'14	13	17°41'28	12°52'67	
1295	10	16°92'27	18°55'61	12*	14°41'27	6°51'48		1354	30	21°88'81	24°75'07	31	19°42'29	12°67'17	
1296	16	17°94'87	18°97'58	17†	15°44'14	6°92'77		1355	40	5°47'62	25°04'51	37	3°01'49	13°09'29	
1297	8	22°63'48	18°25'60					1356	32	5°93'31	25°92'17	32	3°47'95	13°96'57	66 356 9°4
1298	37§	24°06'27	18°68'47	38	21°55'26	6°59'18	66 374 9°4	1357	28	16°55'54	25°97'57	32§	14°09'93	13°93'73	66 368 9°5
1299	40§	5°38'21	19°26'54	48§	2°87'61	7°31'34	66 354 9°0	1358	11	20°27'29	25°10'03	17†	17°81'12	13°03'19	
1300	27	5°45'72	19°21'94	24†	2°95'26	7°26'28		1359	28	21°64'17	25°18'01	22	19°17'66	13°09'84	
1301	10	6°61'28	19°95'68	11*	4°11'26	7°99'34		1360				16	19°18'27	13°11'16	
1302	6	9°70'09	19°29'87	5*	7°19'40	7°31'38			60§	3°86'33	24°12'41	73§	1°39'67	12°18'22	66 351 8°5
1303	19	13°18'72	19°80'77	24	10°68'61	7°79'62									
1304	22	18°20'90	19°31'82	20	15°70'45	7°26'86									
1305	6	21°22'90	19°85'32	7*	18°72'91	7°78'32									
1306	20	22°63'85	19°57'08	22†	20°13'27	7°48'88									
1307	13	5°73'20	20°42'14	12*	3°23'39	8°46'42									
1308	17	6°54'51	20°08'71	18*	4°04'67	8°12'94									
1309	16	9°46'39	20°95'48	13†	6°97'33	8°97'20									
1310	25§	10°91'16	20°30'83	31§	8°41'37	8°31'46									
1311	42§	10°93'77	20°44'51	44§	8°44'09	8°45'00	66 361 9°0								
R.A. 4 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 5 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup>								R.A. 4 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 5 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup>							
Centre R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 1762. 1894, Jan. 30.				Plate 1647. 1893, Dec. 1.				Plate 1762. 1894, Jan. 30.				Plate 1647. 1893, Dec. 1.			
1361	23	6°05'52	13°98'67				° m	1361	23	6°05'52	13°98'67				° m
1362	13	5°87'75	16°44'80					1362	13	5°87'75	16°44'80				

## ZONE + 66°.

B. D.							B. D.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	
No.							No.							
Mag.							Mag.							
R.A. 4 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 5 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> — <i>contd.</i>							R.A. 5 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 5 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°							Centre R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°							
Plate 1762. 1894, Jan. 30. Plate 1647. 1893, Dec. 1.							Plate 1762. 1894, Jan. 30. Plate 1648. 1893, Dec. 1.							
1363	19	5°1754	17°7559				1416	40§	21°0752	18°1557	28	16°2581	6°0748	
1364	31	5°5488	18°4046	29	24°7965	6°5601	1417	27	8°8976	19°6244	12	4°1059	7°7338	
1365	18	6°9357	18°8876				1418	10	8°9730	19°7331				
1366	12	4°1827	19°1076	10*	23°3838	7°1764	1419	22	13°6738	19°6809	9†	8°8870	7°7153	
1367	20	5°5016	19°9245	20†	24°6488	8°0755	1420	27	15°8877	19°6354	13	11°0962	7°6357	
1368	21	5°5194	20°7290	18*	24°6160	8°8801	1421	32§	16°5718	19°2555	27	11°7717	7°2451	
1369	13	5°9511	20°1248				1422	27	17°8035	19°5502	18	13°0073	7°5203	
1370	14	4°7260	22°2118	21	23°7312	10°3059	1423	31	18°8126	19°5771	19	14°0180	7°5308	
1371	26	6°7268	22°6829	20†	25°6975	10°9071	1424	16	21°2011	19°8387				
1372	20	6°5362	24°5686	19*	25°3836	12°7804	1425	8	24°1077	19°5669				
1373	30	6°9951	25°0297	30	25°8111	13°2681	1426	13	8°3853	20°2877				
						66 375	9°5	1427	12	8°9153	20°5813			
								1428	21	9°9528	20°8498	15	5°1814	8°9444
								1429	15	11°1846	20°6705	12†	6°4093	8°7448
								1430	10	12°4472	20°6377	9*	7°6718	8°6907
								1431	7	13°9172	20°6994			
								1432	10	13°9602	20°5153			
								1433	4	14°1887	20°1011			
								1434	10	14°4139	20°2122	9*	9°6295	8°2356
								1435	39§	14°9860	20°8188	31§	10°2115	8°8310
								1436	9	15°1770	20°5625			66 383 8·8
								1437	9	15°7313	20°7804	9*	10°9594	8°7845
								1438	12	18°4621	20°8263	6†	13°6841	8°7863
								1439	20	21°7827	20°6364	10*	17°0005	8°5444
								1440	9	23°2875	20°8265	7*	18°5080	8°5113
								1441	38§	7°1607	21°3910	28	2°3943	9°5283
								1442	10	9°4241	21°2182			66 376 9·2
								1443	9	13°3056	21°3623			
								1444	86§	19°2849	21°7195	66§	14°5220	9°6639
								1445	19	19°8320	21°3113	9	15°0627	9°2487
								1446	49§	21°5297	21°2023	31	16°7594	9°1145
								1447	11	7°6069	22°9065			66 390 8·8
								1448	26	7°8722	22°0138	8†	3°1167	10°1415
								1449	8	9°1355	22°6240			
								1450	46§	11°6185	22°9135	33§	6°8759	10°9784
								1451	7	11°8025	22°7490			66 378 9·4
								1452	13	18°5430	22°7500	8	13°7970	10°7057
								1453	24	20°0376	22°8088	15	15°2931	10°7427
								1454	44§	20°4049	22°5373	33§	15°6545	10°4673
								1455	13†	23°8145	22°1592	7	19°0554	10°0363
								1456	17	8°7412	23°4615	7	4°0100	11°5659
								1457	18	13°0847	23°0278	6*	8°3449	11°0738
								1458	14	13°4966	23°4804	7†	8°7632	11°5177
								1459	9	13°9675	23°4005	6*	9°2329	11°4301
								1460	19	15°0597	23°4610	10	10°3245	11°4722
								1461	30§	18°0335	23°4798	16	13°2983	11°4453
								1462	7	18°1849	23°1856	6*	13°4483	11°1488
								1463	23	20°8239	23°9798	15	16°0968	11°8981
								1464	22	8°2150	24°9413	10	3°5081	13°0620
								1465	16	10°8038	24°3036	9	6°0845	12°3850
								1466	21	11°0402	24°8063	12	6°3294	12°8837
								1467	20	12°9025	24°1478	7	8°1795	12°1927
								1468	12	18°2813	24°8661	9	13°5671	12°8295
								1469	12	16°6305	25°5647	4	11°9293	13°5502
								1470	6†	20°0395	25°8549	7*	15°3433	15°7882
								1471	76§	20°5208	25°1558	45§	15°8102	13°0816
								1472	71§	21°2010	25°5491	39§	16°4967	13°4617
								1473	23	21°3158	25°5422	13	16°6190	13°4556
														66 387 7·8
														66 388 8·3
														66 389 9·3



## ZONE + 66°.

R.A. 5 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 5 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>									R.A. 5 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 5 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>										
Centre		R.A. 5 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°					Centre		R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				
Plate 1762.		1894, Jan. 30.			Plate 1648.			1893, Dec. 1.		Plate 2979.		1896, Jan. 17.			Plate 1759.			1894, Jan. 28.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
1474	10*	22°38'9"	25°40'6"	9	17°68'25"	13°30'18"	°	m.	1516	6†	23°8'51"	17°50'57"	10	16°36'46"	5°29'90"	°	m.		
1475	72§	24°23'45"	25°09'25"	33§	19°52'44"	12°95'86"	66	392	9'1	1517			7	17°9'38"	5°46'92"				
				70§	3°8'395"	0°77'04"	65	459	8'5	1518	16	12°34'06"	18°38'07"	21	4°8'779"	6°45'45"			
				70§	6°74'20"	1°23'52"	65	464	7'3	1519	4	16°33'65"	18°15'69"	8	8°86'54"	6°13'61"			
										1520	25	16°59'30"	18°78'92"	36	9°13'56"	6°76'03"			
										1521	19	22°22'32"	18°12'68"	26	14°75'13"	5°95'94"			
										1522	13	24°17'55"	18°03'04"	20	16°70'25"	5°81'46"			
										1523	13	24°31'60"	18°41'82"	23	16°85'30"	6°20'01"			
										1524	7	11°79'91"	19°33'23"	13	4°36'05"	7°42'02"			
										1525	7	14°09'03"	19°33'93"	13	6°64'21"	7°37'07"			
										1526	10	16°89'55"	19°10'99"	17	9°44'88"	7°07'25"			
										1527			9†	16°90'41"	7°82'32"				
										1528	8*	25°19'05"	19°26'20"	10	17°74'47"	7°02'32"			
										1529	7	12°56'86"	20°84'03"	12†	5°16'61"	8°90'97"			
										1530	7	14°68'84"	20°68'54"	7	7°28'03"	8°70'08"			
										1531	5	16°97'25"	20°99'98"	7	9°57'37"	8°95'99"			
										1532	21	19°69'40"	20°59'60"	32	12°28'35"	8°49'06"			
										1533	6*	20°60'12"	20°30'11"	9	13°18'31"	8°17'41"			
										1534	27	24°33'42"	20°02'59"	35	16°90'72"	7°80'53"	66	403	9'2
										1535	11†	25°13'44"	20°81'06"	19	17°72'47"	8°57'50"			
										1536	56§	25°41'15"	20°19'50"	56§	17°98'95"	7°95'14"	66	405	8'9
										1537	79§	17°81'31"	21°61'79"	100§	10°42'58"	9°55'77"	66	401	7'0
										1538	10	19°96'48"	21°31'38"	15	12°57'22"	9°20'29"			
										1539	7	20°43'79"	21°38'76"	12	13°04'50"	9°26'43"			
										1540	13	21°30'45"	21°87'70"	22	13°92'28"	9°73'29"			
										1541	31§	9°05'72"	22°68'24"	43§	1°69'85"	10°83'77"	66	397	9'4
										1542	17	10°40'18"	22°77'09"	29	3°04'52"	10°89'16"			
										1543	14	12°28'00"	22°24'11"	20	4°91'20"	10°31'65"			
										1544	7	13°60'61"	22°54'89"	12	6°24'52"	10°59'41"			
										1545			7	11°50'31"	10°73'07"				
										1546	27	22°60'54"	22°98'39"	36§	15°24'64"	10°80'61"			
										1547			10	16°06'76"	10°01'92"				
										1548	22	24°68'87"	22°28'06"	32§	17°31'60"	10°05'07"			
										1549	6*	10°80'42"	23°12'74"	9†	3°46'03"	11°23'64"			
										1550	9†	10°92'03"	23°46'68"	8	3°58'42"	11°57'41"			
										1551	6	12°20'01"	23°68'44"	8	4°86'48"	11°76'04"			
										1552	10	19°50'69"	23°65'77"	15	12°16'91"	11°55'85"			
										1553	14	20°55'39"	23°31'73"	16	13°20'58"	11°19'04"			
										1554	25	22°45'10"	23°82'12"	33§	15°11'45"	11°64'91"			
										1555			15	16°62'47"	11°57'87"				
										1556	9	9°79'77"	24°63'46"	16	2°48'77"	12°77'38"			
										1557	9	9°97'20"	24°21'42"	16	2°65'21"	12°34'73"			
										1558	8	13°52'64"	24°09'62"	10	6°20'32"	12°14'15"			
										1559	15	17°45'57"	24°43'60"	22	10°13'56"	12°38'43"			
										1560	28	21°21'43"	24°81'30"	36§	13°90'40"	12°67'02"			
										1561	23	22°44'21"	24°70'56"	31	15°13'00"	12°53'05"			
										1562			13	16°56'45"	12°72'06"				
										1563	54§	23°86'91"	25°11'17"	49§	16°56'46"	12°90'51"	66	402	9'0
										1564			12	16°67'46"	12°02'74"				
										1565	7*	13°60'27"	25°57'14"	10	6°31'35"	13°61'30"			
										1566	22	13°94'94"	25°29'62"	29§	6°65'46"	13°33'05"			
										1567	17	15°85'86"	25°77'62"	26	8°57'44"	13°76'40"			
										1568	26	17°65'68"	25°76'86"	37§	10°37'23"	13°71'05"			
										1569	23	19°19'17"	25°35'10"	36§	11°89'40"	13°25'67"			
										1570			13	16°70'87"	13°58'28"				
											69§	25°76'09"	21°22'82"	66§	6°32'32"	1°09'91"	65	478	8'8
																66	406	7'8	

No. 1535. This star has No. 1607 near it.

1 *reseau* interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

ZONE + 66°.

R.A. 5 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 5 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup>								R.A. 5 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 5 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> —contd.							
Centre		R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°		R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre		R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°		R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 797. 1893, Feb. 25.		Plate 1759. 1894, Jan. 28.						Plate 797. 1893, Feb. 25.		Plate 1759. 1894, Jan. 28.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R. A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 5 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 5 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.										R.A. 5 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> —contd.															
Centre		R.A. 5 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre		R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°									
Plate 797.		1893, Feb. 25.				Plate 1649. 1893, Dec. 1.				Plate 786.		1893, Feb. 14.				Plate 1649. 1893, Dec. 1.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
								No.									No.								
								Mag.									Mag.								
1679	24	23'9259	19'0805	28	14'3504	6'9319	66° 418	m. 9'5	1728	12	9'4384	15'4394													
1680	4	14'3461	20'4040						1729	16	9'6766	15'8399													
1681	9	14'8145	20'6485						1730	10	10'0933	15'2617													
1682	24§	17'0913	20'0495	26	7'5501	8'1097			1731	18	10'7862	15'7102													
1683	5	18'3054	20'9864						1732	4	12'2202	15'7287													
1684	4	18'8603	20'1831						1733	20§	13'0470	15'0336													
1685	11	19'7373	20'5003	12†	10'2053	8'4789			1734	15	13'7127	15'3108													
1686	12	20'8048	20'8864	14	11'2840	8'8332			1735	31§	13'7604	15'8306													
1687	37§	21'7990	20'8594	38§	12'2765	8'7756	66 415	9'1	1736	20	5'1543	16'2791	11†	17'3099	4'3386										
1688	20	22'0079	20'6904	24	12'4800	8'6001			1737	16	5'9543	16'5103													
1689	13	15'1853	21'4085	4*	5'6849	9'5276			1738	10	9'6835	16'8240													
1690	5	19'0234	21'1190	4*	9'5141	9'1202			1739	29§	10'4370	16'8975	18†	22'5650	5'1629										
1691	6	19'3219	21'9892						1740	17	11'2473	16'4710													
1692	19	20'3310	21'0303	22	10'8157	8'9905			1741	13	11'4328	16'0884													
1693	13	21'7113	21'1185	11†	12'1962	9'0361			1742	9	13'8150	16'8895													
1694	18	21'8958	21'3804						1743	10	4'7238	17'3960													
1695	16†	24'1362	21'8184	15	14'6446	9'6594			1744	8	4'9738	17'8800													
1696	8	14'0783	22'7812						1745	6	5'4833	17'8452													
1697	34§	14'7453	22'8072	35	5'2863	10'9385			1746	5	7'9075	17'1074													
1698	11	17'6152	22'6876	9	8'1556	10'7293			1747	8	8'2368	17'7950	4*	20'3362	5'9765										
1699	4	18'4671	22'6493						1748	66§	9'0523	17'1077	78§	21'1741	5'3187	66 425	8'1								
1700	37§	19'2256	22'8744	39§	9'7697	10'8664	66 412	9'3	1749	21	10'5107	17'6706	9*	22'6078	5'9413										
1701	14	16'2874	23'2096	9*	6'8389	11'2922			1750	42§	12'3105	17'0270	42	24'4309	5'3656	66 426	9'0								
1702	18	16'5932	23'4854	15	7'1555	11'5585			1751	38§	13'9167	17'1916	47	26'0312	5'5909	66 430	9'4								
1703	9	20'6947	23'5893	4*	11'2602	11'5343			1752	10	6'0206	18'1308													
1704	26	20'7402	23'5576	29	11'3046	11'5042			1753	10	6'3154	18'8990													
1705	53§	21'6834	23'4201	46§	12'2391	11'3371			1754	5	6'5792	18'6693													
1706	12†	21'8935	23'4493	9	12'4515	11'3604			1755	19	9'8034	18'6998	10*	21'8599	6'9414										
1707	59§	22'5456	23'7321	48§	13'1101	11'6224	66 416	9'1	1756	5	10'1022	18'0117													
1708	44§	14'2761	24'1325	47§	4'8601	12'2787	66 410	8'7	1757	21	11'7702	18'7599													
1709	9	22'3318	24'4764	8	12'9205	12'3714			1758	9	10'6429	19'5098													
1710	15	22'7147	24'4801	15	13'3047	12'3642			1759	7	5'7202	20'8963													
1711	15	16'6015	24'9868	14	7'2091	13'0597			1760	16	7'0155	20'7600													
1712	21	19'3783	25'6501	16	10'0055	13'6383			1761	7	7'5181	20'1752													
1713				15	14'0702	13'3548			1762	16	11'1410	20'5706													
1714	56§	23'4822	25'8692	40§	14'1131	13'7293	66 417	9'2	1763	19	13'1217	20'1889													
1715				10	14'0570	13'6644			1764	7	7'8217	20'7458													
									1765	5	5'8898	21'1573													
				39	1'6217	2'5997	66 409	9'2	1766	34§	7'4257	21'9034	33§	19'3604	10'0494	66 422	9'0								
				46	1'3031	12'8105	66 408	9'5	1767	14	8'0885	21'1474	6*	20'0511	9'3183										
							66 420	7'7	1768	22§	9'2595	21'1808	14	21'2190	9'3969										
									1769	7	9'3581	21'4564													
									1770	7	10'6073	21'9442													
									1771	4	11'1481	21'9154													
									1772	5	11'6359	21'8320													
									1773	6	11'9208	21'3801													
									1774	11	12'1888	21'0269													
									1775	8	12'6517	21'9546													
									1776	12	12'8446	21'7857													
									1777	5*	12'8511	21'7963													
									1778	6	13'0250	21'8857													
									1779	13	4'7776	22'0012													
									1780	32§	4'9084	22'8897	27	16'8070	10'9351										
									1781	7	4'9707	22'3689													
									1782	12	5'7771	22'8389	6*	17'6746	10'9193										
				14	16'9253	3'8439			1783	6	6'6729	22'5082													
				8*	17'6129	3'8393			1784	31§	6'9457	22'1235	23	18'8696	10'2497										
									1785	30§	7'5125	22'2037	21	19'4338	10'3500										
									1786	22§	9'5788	22'4752	9	21'4859	10'7031										
R.A. 5 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>																									
Centre		R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°																			
Plate 786.		1893, Feb. 14.				Plate 1649. 1893, Dec. 1.																			
1716	19	5'7865	14'7348																						
1717	39	6'3331	14'8806	39	18'5427	2'9886	66 421	9'5																	
1718	5	6'4803	14'6861																						
1719	13	8'4008	14'9175																						
1720	17	13'0163	14'3607																						
1721	18	4'1007	15'5903																						
1722	5	4'5306	15'7519																						
1723	26	4'7508	15'7992	14	16'9253	3'8439																			
1724	18	5'4394	15'7665	8*	17'6129	3'8393																			
1725	12	8'5313	15'4203																						
1726	10	9'1670	15'0036																						
1727	12	9'3214	15'8085																						

No. 1705. This star is not given in the B. D.

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.

## ZONE + 66°.

R.A. 5 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> —contd.									R.A. 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 6 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.									
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 786. 1893, Feb. 14.			Plate 1649. 1893, Dec. 1.			Plate 786. 1893, Feb. 14.			Plate 1708. 1893, Dec. 22.			Plate 786. 1893, Feb. 14.			Plate 1708. 1893, Dec. 22.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		
							No.	Mag.								No.	Mag.	
1787	22	11°49'87	22°55'72	7†	23°40'51	10°8'592	°	m.	1837	10	21°7'100	16°6'129	6*	9°5'744	4°6'295	°	m.	
1788	9	12°8'511	22°29'75						1838	6†	21°7'207	16°8'952	8*	9°5'937	4°9'011			
1789	36§	13°11'19	22°62'83	27	25°01'14	10°99'29	66	428	9'4	1839	14	21°8'314	16°8'359	12	9°7'018	4°8'488		
1790	21	13°4'136	22°28'29							1840	4*	22°1'884	16°1'439	8	10°0'318	4°1'393		
1791	21	13°7'989	22°7'171							1841	13	23°3'444	16°2'678	16	11°1'892	4°2'127		
1792	36	3°25'575	23°20'73	19	15°14'04	11°1'893				1842	10	23°6'392	16°1'169	10	11°5'292	4°0'485		
1793	19	8°54'24	23°07'29	4*	20°43'14	11°2'621				1843	22	24°9'307	16°8'667	22	12°7'994	4°7'458		
1794	13	9°34'78	23°00'04	6†	21°23'48	11°2'202				1844				10	11°4'655	4°3'899		
1795	12	11°43'06	23°13'00							1845				8	3°80'50	5°1'505		
1796	33§	12°7'098	23°08'78	21	24°59'27	11°43'82				1846	10	20°34'59	17°94'43	8	8°26'35	6°0'113		
1797	12	13°43'90	23°54'97							1847	12	22°58'78	17°97'44	14	10°50'94	5°94'98		
1798	10	3°26'29	24°56'88	8	15°09'55	12°54'86				1848	35§	22°98'74	17°50'00	34§	10°88'60	5°45'68		
1799	69§	4°44'34	24°70'86	56§	16°27'12	12°73'26	66	420	7'7	1849	10	23°29'70	17°70'97	10	11°20'49	5°65'89		
1800	20	5°40'80	24°33'24	9	17°24'56	12°39'61				1850	16	23°8'153	17°94'16	18	11°73'08	5°86'67		
1801	13	8°9'122	24°01'92	9	20°76'13	12°22'01				1851	12	14°13'84	18°58'09					
1802	30	9°05'78	24°69'99	19	20°87'78	12°90'58				1852	12	14°15'38	18°58'46					
1803	15	9°11'99	24°40'08							1853	26	14°67'89	18°55'60	22	2°62'93	6°86'57		
1804	30	9°16'70	24°51'38	22	20°99'47	12°72'50	66	424	9'5	1854	34	17°26'46	18°91'42	34§	5°22'76	7°11'20		
1805	36§	10°60'65	24°26'92	28	22°44'28	12°53'56				1855	10†	17°58'33	18°04'22	8†	5°51'08	6°23'16		
1806	11	10°64'64	24°98'97							1856	14	20°42'78	18°09'03	12	8°35'16	6°15'87		
1807	43§	13°15'15	24°59'98	45§	24°97'32	12°96'40	66	429	9'4	1857	20	20°53'01	18°95'11	20	8°49'21	7°01'56		
1808	8*	5°24'11	25°68'71	4†	17°02'58	13°74'56				1858	12	21°43'76	18°55'15	10	9°37'90	6°57'58		
1809	18	5°67'53	25°14'23	12†	17°48'14	13°21'77				1859				6	9°76'44	6°86'62		
1810	73§	7°54'32	25°23'06	63§	19°34'45	13°37'83	66	423	8'2	1860				10	12°07'14	6°19'21		
1811	7†	7°63'52	25°71'38	4*	19°42'04	13°86'72				1861				10	12°21'63	6°19'24		
1812	12	9°60'17	25°46'60	5*	21°39'19	13°69'23				1862	12	14°12'69	19°51'19	10	2°11'97	7°84'62		
1813	10	11°90'66	25°57'13							1863	18	14°28'09	19°48'23	16	2°27'39	7°80'61		
1814	44§	12°48'04	25°20'35	40§	24°28'06	13°54'19	66	427	9'4	1864	9	14°97'99	19°62'92					
1815	5	13°43'03	25°36'22							1865	10	16°15'38	19°70'61	8	4°15'50	7°95'01		
	125§	2°72'70	26°10'11				66	419	7'0	1866	14	17°11'34	19°37'19	12	5°09'47	7°57'97		
	51§	9°38'60	26°18'70				67	411	9'3	1867	16	20°88'71	19°86'01	12	8°88'56	7°90'84		
R.A. 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 6 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup>									1868	10	21°20'66	19°24'26	10	9°17'61	7°27'53			
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Plate 786. 1893, Feb. 14.			1869	12	21°39'30	19°75'04	12	9°38'63	7°77'68			
Plate 786. 1893, Feb. 14.			Plate 1708. 1893, Dec. 22.						1870	7*	22°90'87	19°46'97	12	10°88'93	7°43'43			
1816	12	15°94'27	14°10'19				°	m.	1871				10	10°95'01	7°19'88			
1817	28§	20°29'75	14°87'25	16	8°08'73	2°94'96			1872	8*	23°65'36	19°45'91	10†	11°63'10	7°38'89			
1818	8	20°61'98	14°05'69	6*	8°37'54	2°11'90			1873	6†	15°38'79	20°73'31	8	3°42'95	9°01'28			
1819	10	22°08'92	14°54'95	8†	9°86'24	2°54'92			1874	10	16°75'31	20°34'97	10	4°77'74	8°56'94			
1820	12	14°58'32	15°64'90						1875	22§	17°00'94	20°28'31	20§	5°02'62	8°49'33			
1821	20	15°55'74	15°81'23	12	3°39'26	4°08'81			1876	16	17°75'85	20°83'43	16	5°80'29	9°00'90			
1822	48§	20°78'56	15°94'47	44§	8°62'19	3°99'53	66	436	9'1	1877	12	19°10'70	20°31'97	10	7°12'52	8°44'09		
1823	34§	20°98'62	15°85'01	36§	8°81'71	3°89'41			1878	8	20°95'47	20°55'94	4	8°98'18	8°60'18			
1824	30	23°24'11	15°32'05	26	11°04'93	3°27'35			1879	6	22°89'19	20°82'97	8	10°92'71	8°79'04			
1825	9	14°96'12	16°52'89						1880				10	11°81'45	8°52'27			
1826	30§	16°07'26	16°35'01	25	3°92'73	4°60'07	66	432	9'4	1881				10	12°40'65	8°66'80		
1827	16	16°32'67	16°53'98	12	4°19'11	4°78'17			1882	6	14°95'15	21°93'95						
1828	40§	16°33'89	16°64'86	49§	4°21'10	4°88'77	66	433	9'3	1883	24	15°73'32	21°76'95	16	3°82'04	10°03'34		
1829	6	17°26'26	16°19'90	6	5°11'11	4°39'55			1884	14	16°88'53	21°13'89	12	4°94'64	9°35'06			
1830	24§	17°39'62	16°21'69	16	5°24'51	4°41'06			1885	20	17°80'67	21°41'02	14	5°87'54	9°58'54			
1831	22	19°11'98	15°98'20	16	6°95'96	4°10'47			1886	16	18°13'39	21°66'88	14	6°21'33	9°82'82			
1832	40§	20°09'77	16°41'49	38§	7°95'33	4°49'53	66	434	9'1	1887	8	18°25'10	21°06'11	8	6°30'50	9°21'92		
1833	10	20°16'14	16°23'83	10	8°00'62	4°31'25			1888	15	21°80'97	21°90'92	10	9°89'45	9°91'28			
1834	10	20°39'24	16°41'12	8*	8°25'00	4°48'37			1889	18	14°26'27	22°59'12	14†	2°38'30	10°91'52			
1835	80§	20°59'38	16°07'90	84§	8°43'53	4°14'04	66	435	8'0	1890	8	16°23'39	22°42'95	8	4°34'54	10°66'95		
1836	30	20°87'43	16°52'91	34	8°73'26	4°57'64			1891	12	19°55'40	22°97'89	14	7°68'56	11°07'87			
										1892	36§	19°91'11	22°47'32	32§	8°02'19	10°55'79		
										1893	4†	22°17'25	22°10'93	8	10°26'58	10°09'99		
										1894	20	22°33'32	22°99'19	20	10°46'51	10°97'97		
										1895				8	11°32'64	10°84'18		



## ZONE + 66°.

R.A. 6 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 6 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.									R.A. 6 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 6 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> —contd.								
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°								
Plate 786. 1893, Feb. 14.			Plate 1708. 1893, Dec. 22.			Plate 3038. 1896, March 23.			Plate 1708. 1893, Dec. 22.								
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.		
1896	52§	24°57'35	22°39'68	42§	12°67'53	10°28'22	66° 437 8.5	1944	8†	12°80'31	17°70'20	10	22°36'71	5°86'28	66 444 9.3		
1897				10	12°78'98	10°52'50		1945	8	12°94'36	17°01'58	10†	22°52'77	5°18'32			
1898	24	14°15'10	23°63'55	20	2°31'58	11°96'27		1946	10	13°29'32	17°29'81	20	22°87'11	5°47'51			
1899	10	14°20'10	23°48'48	10†	2°36'49	11°81'00		1947	10	13°36'17	17°60'80	8†	22°92'99	5°78'68			
1900	28	16°87'43	23°38'01	22	5°02'52	11°59'11		1948				6†	23°13'30	5°31'16			
1901	16	17°15'78	23°26'90	16	5°30'28	11°46'96		1949	30§	13°74'36	17°71'58	40§	23°31'03	5°90'63			
1902	22§	18°97'88	23°47'42	20§	7°13'51	11°59'70		1950	6	3°46'51	18°52'39	8	13°00'76	6°39'31			
1903	12	20°34'37	23°31'05	18	8°48'81	11°37'72		1951	10	6°63'34	18°97'47	16	16°16'09	6°94'22			
1904	20	14°83'07	24°38'92	12	3°03'02	12°68'70		1952	20	11°18'79	18°29'50	34§	20°73'60	6°40'53			
1905	26§	18°37'11	24°44'94	26§	6°56'57	12°59'88		1953	10	13°50'06	18°75'87	8†	23°03'29	6°94'18			
1906				14	9°20'42	12°34'99		1954	6	13°90'12	18°53'88	8	23°44'17	6°73'45			
1907				6	10°06'95	12°63'30		1955	14	15°41'96	18°35'73	14	24°96'32	6°59'86			
1908	39	23°15'45	24°69'91	26§	11°35'51	12°64'35		1956	12	15°44'62	18°57'47	14	24°98'24	6°81'75			
1909	42	23°16'94	24°06'98	28§	11°34'15	12°01'92		1957	10	15°69'79	18°79'57	16*	25°23'15	7°04'62			
1910	8†	16°72'58	25°65'12	8	4°97'26	13°86'95		1958	20	4°92'23	19°45'04	26	14°43'64	7°36'55			
1911	8†	18°30'44	25°64'79	12	6°54'89	13°79'70		1959	6	7°71'54	19°87'12	10	17°21'79	7°87'36			
1912	39§	19°92'11	25°66'90	26§	8°16'30	13°74'85		1960	6	9°26'61	19°87'89	12	18°76'85	7°92'92			
1913				8	8°55'20	13°60'41		1961	32§	9°39'90	19°29'21	40§	18°91'59	7°34'53	66 440 9.5		
1914				6	8°74'60	13°02'32		1962	12	12°99'98	19°37'15	12	22°51'16	7°53'99			
1915				10	10°75'69	13°10'54		1963	20	13°37'91	19°05'96	22	22°90'24	7°23'98			
				53§	1°80'85	5°53'29	66 430 9.4	1964	8*	13°94'59	19°99'42	8*	23°44'34	8°18'95			
				31§	1°23'43	10°99'82	66 428 9.4	1965	10	15°77'87	19°41'02						
				46§	1°35'36	12°96'65	66 429 9.4	1966	10	7°38'95	20°55'79	18	16°86'89	8°54'95			
	56§	26°35'95	22°23'38				66 439 8.5	1967	16	8°34'13	20°39'51	26	17°82'55	8°41'57			
								1968	46§	9°51'90	20°77'95	62§	18°98'98	8°83'69		66 441 8.5	
								1969	16	10°28'29	20°81'78	26§	19°75'15	8°89'88			
								1970	6*	14°03'93	20°50'95	11*	23°52'24	8°70'42			
								1971	12	15°97'25	20°50'43	11	25°44'88	8°76'07			
								1972	9*	5°67'45	21°51'44	18	15°12'55	9°45'26			
								1973	30§	6°06'70	21°29'15	38§	15°52'59	9°24'18			
								1974	12	8°42'92	21°04'58	10	17°89'21	9°07'03			
								1975	14	10°30'52	21°21'69	16	19°76'57	9°29'82			
								1976	10*	11°16'23	21°06'89	14	20°62'00	9°18'03			
								1977	10	13°11'24	21°97'83	18	22°54'41	10°14'78			
								1978	6	14°80'20	21°93'04	14*	24°23'34	10°14'91			
								1979				14	13°04'27	10°39'11			
								1980				12	14°15'53	10°34'89			
								1981	8*	4°88'22	22°49'86	12	14°30'20	10°41'06			
								1982	17§	4°89'57	22°51'71	30§	14°31'60	10°42'84			
								1983	40§	5°02'08	22°13'01	48§	14°45'26	10°04'79	66 439 8.5		
								1984				12	14°63'62	10°16'16			
								1985	8	5°62'40	22°77'12	18	15°03'54	10°70'86			
								1986				8†	17°72'30	10°76'93			
								1987	6†	9°20'59	22°37'90	6	18°63'14	10°42'82			
								1988	8	10°50'74	22°15'61	12*	19°93'62	10°24'18			
								1989	16	10°80'34	22°21'98	30	20°22'65	10°31'68			
								1990	24	11°11'66	22°73'35	30§	20°52'61	10°83'92			
								1991	10	12°49'70	22°55'82	10	21°90'86	10°70'63			
								1992	8	12°72'42	22°43'71	9	22°14'23	10°59'56			
								1993	6*	14°65'89	22°10'68	14*	24°08'56	10°32'85			
								1994	12	15°13'48	22°13'13	16	24°56'25	10°36'00			
								1995	13	5°42'59	23°13'49	22	14°82'66	11°06'39			
								1996				6	15°91'76	11°84'05			
								1997	8	8°26'23	23°51'95	10	17°65'20	11°53'49			
								1998	10*	10°44'57	23°38'79	18	19°83'37	11°47'15			
								1999	20	12°56'60	23°77'38	26	21°93'97	11°92'44			
								2000	10	14°25'58	23°78'50	8†	23°62'88	11°99'09			
								2001	18	14°55'25	23°66'48	18	23°92'79	11°87'65			
								2002	18	14°97'47	23°72'91	17	24°34'71	11°95'32			

No. 1968, B. D. 66° 441 (mag. 8.5). The R.A. given in the B.D. appears to be 1<sup>m</sup> too large.

1 réseau interval represents very nearly 5' = 49.2° of R.A. at Dec. + 66°, and 51.2° at Dec. + 67°.

## ZONE + 66°.

R.A. 6 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 6 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> — <i>contd.</i>							B. D.		R.A. 6 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 6 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> — <i>contd.</i>							B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
Centre R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 3038. 1896, March 23. Plate 1708. 1893, Dec. 22.									Centre R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 3038. 1896, March 23. Plate 1747. 1894, Jan. 12.								
2003	6	15°50'13	23°94'65	16	13°42'65	12°58'51			2053	10	17°52'10	19°88'16	15	3°14'12	7°98'05		
2004				12	13°78'74	12°54'14			2054	26§	19°69'22	19°53'77	42§	5°29'74	7°52'80	66	447
2005				12	14°11'89	12°58'73			2055	19§	20°42'53	19°40'60	24	6°01'63	7°35'90	66	448
2006				6	14°58'25	12°09'65			2056	10*	23°58'25	19°30'29	13	9°16'46	7°10'88		
2007				10	17°24'86	12°45'37			2057	7	23°69'55	19°34'81	7	9°27'96	7°14'44		
2008	8	7°89'25	24°44'83	26	18°60'26	12°48'08			2058	13	17°55'30	20°00'03	18	3°17'74	8°09'35		
2009	20	9°24'64	24°43'41	24	19°58'80	12°40'14			2059	15	19°31'27	20°80'54	17	4°97'41	8°81'36		
2010	12†	10°23'03	24°32'92	22	21°08'75	12°47'22			2060	7	23°29'40	20°60'75	7	8°94'06	8°42'14		
2011	10	11°73'03	24°34'78	16	21°36'18	12°22'92			2061	16*	24°16'21	20°09'17	23	9°78'02	7°86'19		
2012				14	21°95'75	12°52'51			2062	13*	22°31'69	21°06'86	15	7°98'84	8°92'99		
2013	8†	12°59'91	24°37'37	19	21°98'77	12°49'31			2063	8	22°96'53	21°01'60	10	8°63'08	8°84'92		
2014	16	12°63'00	24°34'22	18	22°74'79	12°56'79			2064	5†	16°63'52	22°08'09	6†	2°36'10	10°22'03		
2015	18	13°29'21	24°39'50	12	23°61'14	12°60'53			2065	30§	17°37'78	22°32'10	44§	3°11'62	10°42'02	66	445
2016	10	14°25'65	24°40'35	18	23°67'97	12°51'53			2066	6	17°38'68	22°30'85	5	3°12'20	10°40'53		
2017	16	14°32'04	24°31'11	11*	24°69'61	12°26'15			2067	9	17°19'86	23°18'45	6*	2°97'94	11°29'45		
2018	10	15°32'75	24°02'61	10	16°65'05	13°62'12			2068	17	20°15'51	23°46'50	25	5°94'27	11°42'99		
2019	8	6°54'34	25°28'71	26	18°85'25	13°01'88			2069	7	20°82'31	23°84'31	6	6°63'02	11°77'42		
2020				30	18°86'38	13°37'83			2070	9	23°16'74	23°30'17	6	8°94'56	11°11'98		
2021	10	9°51'03	24°96'43	24	20°10'45	13°08'02			2071	10	16°67'15	24°00'19	12	2°49'07	12°13'56		
2022	14	9°53'50	25°32'48	14	20°93'45	13°53'29			2072	12	17°68'71	24°58'23	10	3°53'66	12°66'74		
2023	10	10°76'46	24°98'65	20	21°07'64	13°01'28			2073	11	18°45'85	24°63'62	21	4°30'62	12°68'37		
2024	10†	11°60'98	25°41'14	8	22°58'33	13°81'75			2074	22§	18°54'99	24°54'05	32	4°39'13	12°57'01		
2025	14	11°73'47	24°88'78	24	23°38'37	13°64'69			2075	6	19°22'76	24°14'46	10	5°45'13	12°70'74		
2026	4	13°26'78	25°65'13	13	24°02'70	13°65'24			2076	9	19°60'17	24°71'46	7	7°72'09	12°60'15		
2027	18	14°06'03	25°45'02						2077								
2028	14	14°70'34	25°43'44						2078	5	16°74'51	25°32'36	11	4°24'49	13°67'27		
				58§	26°80'03	10°61'85	66	445	2079	11	18°34'97	25°62'22	33	4°81'79	13°87'11	67	433
	42§	3°24'85	22°42'05				66	437	2080	23	18°90'83	25°84'89	33§	5°40'37	13°28'05	66	446
									2081	21§	19°52'33	25°28'66	4	5°41'49	13°39'29		
									2082	8	19°53'22	25°39'67					
R.A. 6 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 6 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup>									R.A. 6 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 6 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup>								
Centre R.A. 6 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 3038. 1896, March 23. Plate 1747. 1894, Jan. 12.									Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 776. 1893, Feb. 10. Plate 1747. 1894, Jan. 12.								
2029	10	17°00'15	14°54'43	8*	3°91'41	2°77'24			2083	31	4°47'80	14°40'43	33	11°77'78	2°32'91	66°	453
2030	10	18°54'81	14°72'07	16*	4°73'28	2°01'57			2084	35§	5°41'20	14°53'93	35	12°71'07	2°48'50	66	454
2031	13	19°40'16	14°00'08	25§	7°09'06	2°80'43	66	450	2085	25	6°27'08	14°81'50	29	13°56'44	2°78'25		
2032	19§	21°72'16	14°90'54	27	7°10'16	2°85'74			2086	51§	8°91'29	14°14'48	55§	16°22'16	2°17'53	66	459
2033	18	21°72'89	14°95'80	17*	3°01'05	4°02'52			2087	22	9°22'43	14°19'67	23	16°53'03	2°23'62		
2034	14	17°58'31	15°92'67	8†	6°81'90	3°23'80			2088	20	11°47'94	14°02'23	37†	18°78'88	2°11'82	66	462
2035	10	21°42'49	15°32'41	45§	9°57'39	3°22'11	66	451	2089	7*	14°90'57	14°29'81	5†	22°20'66	2°47'96		
2036	40§	24°18'10	15°44'42	10*	9°88'95	3°10'63			2090	21	15°95'31	14°54'57					
2037	7	24°45'00	15°34'32	31	4°64'07	4°72'01			2091	29	16°16'39	14°60'98	34†	23°46'01	2°81'75		
2038	19	19°17'86	16°70'01	28	5°98'44	4°09'58	66	449	2092	20	18°92'49	14°67'50					
2039	18§	20°55'09	16°14'55	7*	6°78'18	4°44'36			2093	11*	2°89'49	15°28'89	12	10°17'55	3°17'66		
2040	7	21°33'34	16°52'52	7	7°01'49	4°67'92			2094	9†	4°86'34	15°06'24	9†	12°15'09	2°99'85		
2041	9	21°55'23	16°77'59	14*	1°52'48	5°47'05			2095	13*	6°45'00	15°62'28	15	13°72'10	3°59'51		
2042	10	16°03'50	17°29'93	11*	3°17'16	5°30'79			2096	31§	7°60'16	15°26'93	38§	14°88'27	3°26'82		
2043	10	17°68'35	17°21'27	21	3°97'10	5°92'81			2097	11†	15°98'08	15°33'62	12*	23°25'97	3°53'77		
2044	17§	18°45'34	17°87'31	22	6°01'79	5°21'38			2098	13†	3°82'10	16°27'92	18	11°07'81	4°18'60		
2045	16	20°53'32	17°25'97	7	8°45'32	5°26'22			2099	85§	6°01'07	16°96'40	88§	13°24'58	4°92'56	66	455
2046	9	22°96'34	17°43'15	14	8°65'01	5°37'69			2100	15†	6°96'18	16°01'70	17	14°22'50	4°00'06		
2047	13	23°15'24	17°55'15	7	3°92'52	6°98'83			2101	23	8°36'56	16°58'43	26	15°61'33	4°59'99		
2048	8*	18°35'51	18°93'05	15	4°37'98	6°76'03			2102	16	14°71'87	16°26'98	19†	21°97'50	4°44'10		
2049	5	18°53'61	18°10'09	15	7°40'30	6°00'81			2103	22	3°63'51	17°00'06	24§	10°85'20	5°80'14		
2050	12	18°81'78	18°72'68	16	2°97'69	7°23'75			2104	24§	4°81'08	17°94'93	27	12°02'56	5°87'98		
2051	11†	21°87'66	18°11'98						2105	27§	7°02'17	17°81'00	27§	14°24'09	5°79'60		
2052	12	17°39'55	19°13'07														



## ZONE + 66°.

R.A. 6 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 6 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 6 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 6 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>							
Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 776. 1893, Feb. 10.				Plate 1747. 1894, Jan. 12.				Plate 776. 1893, Feb. 10.				Plate 2458. 1895, March 18.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.
2106	18	7.7137	17.1601	20	14.9503	5.1612	°	2156	24§	19.4624	14.7168	11*	2.4425	2.8317	°
2107	82§	9.6765	17.4247	84§	16.9023	5.4748	66 460 7.0	2157	40§	19.4820	14.7540	50§	2.4622	2.8680	66 468 9.1
2108	6	10.2798	17.1015	6†	17.5158	5.1629		2158	26§	22.1369	14.7198	13	5.1155	2.6826	
2109	9	17.2709	17.6574					2159	20	20.4192	15.9808	14†	3.4688	4.0376	
2110	21	17.5053	17.6210	22†	24.7254	5.8605		2160	34§	24.7292	15.4146	44§	7.7413	3.2269	66 472 8.8
2111	7	3.9118	18.2898	7	11.1162	6.1962		2161	13	20.5479	16.9196	10†	3.6533	4.9694	
2112	10	7.0819	18.0197	12	14.2980	6.0067		2162	7	20.9920	17.5370	6	4.1344	5.5611	
2113	24§	10.5275	18.8947	20	17.7215	6.9639		2163	25	21.0268	17.2200	16	4.1506	5.2438	
2114	6	10.6537	18.3239	7	17.8601	6.3952		2164	36§	23.3717	17.6143	35§	6.5158	5.5005	66 470 8.7
2115	65§	11.7092	18.6397	69§	18.9058	6.7367	66 463 7.7	2165	12	24.4425	17.8792	13	7.5996	5.7079	
2116	12	15.7477	18.7755	9†	22.9417	6.9759		2166	9	19.1692	18.2573	5*	2.3553	6.3849	
2117	24§	15.8604	18.2997	24	23.0660	6.4992	66 465 9.2	2167	47§	19.2986	18.6647	56§	2.5039	6.7813	66 467 8.5
2118	19	18.7929	18.0721	7*	26.0109	6.3418		2168	5*	23.7759	18.9917	6	6.9966	6.8554	
2119	7*	3.4135	19.3553	10	10.5976	7.2512		2169	9	19.3760	20.6115	5	2.6957	8.7233	
2120	27§	8.4859	19.5701	37§	15.6622	7.5895	66 457 9.5	2170	13	19.8307	20.3613	10	3.1348	8.4469	
2121	4*	9.3203	19.2421	5	16.5063	7.2839		2171	5*	22.8997	20.1287	4	6.1836	8.0389	
2122	5†	12.2700	19.4294	5	19.4497	7.5407		2172	35§	23.2046	20.5911	39§	6.5151	8.4845	66 469 8.5
2123	26§	13.6791	19.0610	24§	20.8652	7.2090		2173	21	19.3037	21.4947	13	2.6748	9.6071	
2124	16	17.6919	19.9523	13*	24.8574	8.1966		2174	10	23.1126	21.0512	12	6.4483	8.9498	
2125	31	18.1695	19.5807	38	25.3434	7.8365	66 466 9.3	2175	13*	24.1331	21.4069	9	7.4923	9.2450	
2126	17	18.3352	19.7047					2176	10*	24.3710	21.7706	9	7.7450	9.5932	
2127	20	18.4334	19.6107	18†	25.6071	7.8732		2177	20	20.4729	22.7226	14	3.9109	10.7650	
2128	17	4.5411	20.9705	22§	11.6817	8.8926		2178	10	21.1917	22.3323	7	4.6023	10.3402	
2129	18	3.7306	20.1336	26§	10.8941	8.0391		2179	35	22.9199	22.6796	24	6.3493	10.5870	
2130	4†	8.1538	20.3528	6†	15.3071	8.3638		2180	29	24.0904	22.2160	23§	7.4954	10.0541	66 471 9.5
2131	19	8.4170	20.3962	23	15.5728	8.4137		2181	35	24.1714	22.0409	24§	7.5641	9.8759	
2132	36§	10.2271	20.3866	40§	17.3839	8.4487	66 461 9.4	2182	17†	24.0561	23.2511	16	7.5153	11.0910	
2133	8	16.0610	20.6205	5*	23.2087	8.8237		2183	31	20.4981	24.5394	26	4.0384	12.5799	
2134	38§	3.7339	21.4242	37§	10.8639	9.3285	66 452 9.5	2184	36	21.6741	24.2497	31§	5.1954	12.2224	
2135	6†	6.2980	21.3768	5	13.4295	9.3419		2185	32	22.2361	25.2175	27	5.8153	13.1570	
2136	8	12.1103	21.7617	12	19.2334	9.8700		2186	37	23.3898	25.5604	32§	6.9847	13.4328	67 460 9.5
2137	14	17.6331	21.2005	15	24.7677	9.4437		2187				9	6.9897	13.4049	
2138	3*	4.9384	22.0165	4	12.0629	9.9482		R.A. 6 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 6 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>							
2139	23	4.8492	22.0023	24	11.9665	9.9341		Centre R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
2140	37§	7.0345	22.6029	44§	14.1390	10.5859	66 456 9.4	Plate 813. 1893, March 8.				Plate 2458. 1895, March 18.			
2141	15	10.6813	22.6401	16	17.7827	10.7131		2188	29§	6.9545	14.5002	31§	11.8615	2.3893	66° 475 8.8
2142	9*	10.7972	22.6568	11†	17.8950	10.7331		2189	16	7.7175	14.6717	17	12.6239	2.5761	
2143	15	17.4940	22.7325	10	24.5881	10.9720		2190	14	15.4367	14.6799	18	20.3446	2.6939	
2144	11*	4.0492	23.7854	15	11.1210	11.6953		2191	11	19.4752	14.3894				
2145	29§	14.8105	23.7064	37§	21.8837	11.8757	66 464 9.3	2192	15	4.4682	15.1251	18	9.3670	2.9816	
2146	20§	16.2158	23.8187	21	23.2839	12.0257		2193	16	8.6206	15.7684	17	13.5119	3.6815	
2147	25	16.8701	23.0765	21	23.9583	11.3008		2194	36§	18.5237	15.6141	50§	23.4211	3.6710	66 479 9.0
2148	11	17.5769	23.1631	11	24.6619	11.4016		2195	42§	20.1226	15.4858	71§	25.0206	3.5632	66 481 8.3
2149	8*	16.0215	24.0879	6	23.0855	12.2909		2196	24	4.4872	16.6047	26	9.3665	4.4612	66 473 9.4
2150				15	11.4041	13.4232		2197	58§	19.7876	16.5372	76§	24.6714	4.6089	66 480 8.0
2151	47§	9.0666	25.2558	49§	16.1036	13.2891	66 458 8.7	2198	7	3.5264	17.7303	9†	8.3869	5.5713	
2152	18	12.8141	25.7118	18	19.8384	13.8355		2199	20	19.0341	17.2603	36	23.9034	5.3267	
2153	50§	15.3079	25.6901	66§	22.3294	13.8735	67 447 8.4	2200	15	5.5141	18.9279	17	10.3583	6.7959	
2154	29§	16.3411	25.6828	26§	23.3641	13.8921		2201				11	10.8585	6.4047	
2155	24§	17.6685	25.0143	16	24.7065	13.2571		2202	5†	6.8550	18.6016	7	11.7044	6.4941	
				51§	10.3855	1.3602	65 535 9.1	2203	5	7.5696	18.0053	9	12.4286	5.9056	
				73§	26.4946	6.9483	66 467 8.5	2204	13	11.2057	18.9996	18	16.0507	6.9507	
	23§	2.2928	15.3498				66 451 9.0	2205	12	16.8642	18.9475	16	21.7107	6.9808	
	35§	15.4992	25.9957				67 448 9.3	2206	18	19.5751	18.6103	21	24.4244	6.6831	
	32§	15.5026	26.4509				67 449 9.4	2207	21	19.7536	18.2884	24	24.6082	6.3628	
	27§	17.1892	27.0689				67 451 9.4	2208	10	20.1358	18.1274				

## ZONE + 66°.

R.A. 6 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 6 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.								R.A. 6 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 7 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 813. 1893, March 8.				Plate 2458. 1895, March 18.				Plate 813. 1893, March 8.				Plate 1710. 1893, Dec. 22.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.
							No. Mag.								No. Mag.
2209	19	4°55'56	19°75'50	27	9°78'89	7°61'66	°	2253	7†	23°02'73	22°69'97	20	3°98'67	10°70'96	°
2210	6	6°58'82	19°81'01	7	11°42'27	7°69'72	m.	2254				12	3°43'97	12°76'47	
2211	6†	9°44'34	19°07'08	6	14°28'40	6°99'92		2255				6	2°36'21	13°58'34	
2212	20§	10°11'19	19°62'66	25§	14°94'70	7°56'16		2256				6	2°62'77	13°51'20	
2213	17	13°78'54	19°07'91	20	18°63'00	7°06'74		2257				17	4°15'46	13°43'79	
2214	16	14°41'46	19°34'28	19	19°25'53	7°34'13									
2215	9†	16°33'06	19°68'79	8	21°16'50	7°71'38									
2216	6*	16°45'83	19°97'48	7†	21°28'90	8°00'47									
2217	35	9°33'18	20°07'83	38§	14°16'16	8°00'01	66 476		41§	24°36'47	23°54'49	49§	1°57'98	13°32'63	66 482
2218	9†	10°04'50	20°19'99	8	14°87'21	8°13'48	9°3		32§	27°21'50	23°04'23				66 487
2219	24	11°96'09	20°83'01	22	16°77'78	8°79'09			35	26°44'08	24°18'48				66 490
2220	14	15°49'58	20°57'56	18	20°31'79	8°58'89									66 488
2221	15	16°60'58	20°65'53	16	21°42'62	8°68'18									
2222	37§	3°41'75	21°05'01	33§	8°23'53	8°89'10									
2223	19	3°59'68	21°65'76	22	8°40'30	9°50'01									
2224	17	15°22'53	22°45'72	19	20°02'28	10°46'55									
2225	8	18°43'62	22°78'19	8	23°23'00	10°83'59									
2226	7	10°28'25	23°68'77	7	15°06'16	11°62'49									
2227	20	11°22'97	23°13'54	20§	16°01'71	11°08'57	66 477								
2228	7	11°23'59	23°13'15	11§	16°02'48	11°08'04	9°4								
2229	11	12°67'63	23°99'64	14	17°45'20	11°96'84									
2230	5*	17°43'53	23°81'79	10	22°21'38	11°85'67									
2231	12	4°57'46	24°47'21	18	9°34'59	12°32'62									
2232	16	5°45'07	24°07'01	24	10°22'20	11°93'93	66 474								
2233	5	14°88'35	24°41'29	9	19°65'21	12°42'02									
2234	28§	17°28'15	24°79'47	29§	22°04'01	12°83'11	66 478								
2235	29	17°37'01	24°41'14	24§	22°13'94	12°45'06	9°5								
2236				12	10°41'24	13°85'83									
2237	6	10°57'35	25°88'05	12	15°32'11	13°82'07									
2238	7	17°13'35	25°34'44	12	21°88'49	13°38'08									
2239	8	17°24'47	25°87'10	12	21°99'09	13°90'80									
2240				9	22°05'47	13°71'59									
2241	66	20°45'55	25°15'49	43§	25°21'36	13°24'05	66 482								
				48	26°04'35	2°59'94	66 483								
				58	26°42'51	3°71'63	66 484								
				62§	26°47'25	7°18'94	66 485								
31		2°84'63	15°39'42				66 472								
24		1°65'21	17°68'29				66 470								
25		1°69'34	20°66'82				66 469								
16		18°65'27	26°98'84				67 475								
20		2°23'28	25°61'00				67 460								
R.A. 6 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 7 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>								R.A. 7 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 7 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup>							
Centre R.A. 6 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 813. 1893, March 8.				Plate 1710. 1893, Dec. 22.				Plate 763. 1893, Feb. 8.				Plate 1710. 1893, Dec. 22.			
2242	29	21°13'58	14°50'26	40§	1°57'55	2°65'48	66° 483	2258	10	3°36'17	14°81'56				m.
2243	35§	21°53'34	15°61'84	40§	2°04'12	3°73'90	66 484	2259	35§	5°15'56	14°21'34	40§	7°59'12	2°25'61	66 489
2244	9	24°22'94	15°57'10	7†	4°73'12	3°52'36		2260	6	8°44'47	14°88'32	6	10°87'85	2°95'19	9°4
2245	22	23°42'45	16°23'69	22	3°97'03	4°23'67		2261	74§	17°51'52	14°31'29	81§	19°95'64	2°45'60	66 498
2246	19	21°62'29	18°51'93	28	2°31'82	6°62'93		2262	22	19°55'56	14°65'55	29†	21°98'99	2°81'72	7°3
2247	23	22°74'98	18°15'60	36§	3°41'84	6°19'55		2263	13	19°61'26	14°16'65				
2248	12	21°32'61	19°07'49	7	2°05'67	7°20'40		2264	18	8°12'49	15°38'43	18	10°55'30	3°44'97	
2249	35§	21°62'55	19°08'98	47§	2°35'66	7°19'66	66 485	2265	26	8°98'56	15°64'64	21	11°41'32	3°72'24	9°5
2250	33§	22°20'69	19°91'77	51§	3°08'07	7°97'93	66 486	2266	28§	21°67'43	15°06'56	39	24°10'76	3°24'54	
2251	20§	21°06'49	21°18'06	22	1°93'10	9°32'40		2267	4*	2°92'95	16°36'90	9	5°34'59	4°39'47	
2252	8†	23°42'32	21°79'62	16	4°32'27	9°78'44		2268				11	7°43'30	4°12'59	
								2269				7	8°45'41	4°36'60	
								2270	8	8°65'70	16°77'21	16	11°07'52	4°84'27	
								2271	19	13°41'71	16°35'31	22	15°83'97	4°46'39	
								2272	10	14°83'95	16°71'11	15	17°25'96	4°83'41	
								2273	26§	14°96'94	16°95'96	32§	17°38'53	5°08'30	66 495
								2274	5†	17°67'88	16°84'80	10	20°09'77	4°99'45	9°5
								2275	10	18°71'18	16°84'99	12†	21°12'81	5°00'57	
								2276	13	19°08'38	16°59'01	14†	21°50'39	4°74'66	
								2277	27§	19°32'36	16°94'30	36§	21°74'01	5°10'15	
								2278	9	22°47'07	16°94'97				
								2279	21	23°69'42	16°42'27	35†§	26°11'64	4°61'59	
								2280				9	6°50'00	5°81'44	
								2281	7*	5°41'48	17°00'51	10	7°82'98	5°05'44	
								2282	4†	7°04'84	17°60'58	10	9°46'22	5°66'91	
								2283				17	11°25'77	5°83'54	
								2284	28§	9°48'67	17°70'59	32§	11°89'78	5°78'50	66 492
								2285	7*	9°89'70	17°18'63	10	12°31'50	5°26'97	9°5
								2286	7†	10°85'65	17°61'73	10	13°26'63	5°70'69	
								2287	15	12°88'06	17°04'78	21§	15°29'61	5°15'37	66 494
								2288	4	21°52'67	17°08'44	10*	23°94'26	5°26'01	9°5
								2289	12	3°21'50	18°17'25	13	15°61'98	6°19'99	
								2290	15	4°40'43	18°64'03	18	6°80'66	6°67'66	
								2291	12	6°77'43	18°62'48	23	9°17'66	6°67'98	
								2292	14	7°01'34	18°31'55	23	9°41'83	6°37'49	
								2293	8	7°03'46	18°59'73	16	9°43'83	6°65'67	
								2294	13	10°15'98	18°47'70	23	12°56'50	6°56'30	
								2295				6	13°56'77	6°23'46	
								2296	6†	11°29'04	18°18'69	9	13°69'80	6°28'38	
								2297	27§	14°94'19	18°86'45	37§	17°34'13	6°98'83	66 496
								2298	20	16°01'46	18°34'86	26§	18°42'05	6°47'70	9°4
								2299	38§	18°57'10	18°85'17	44§	20°97'11	7°00'60	66 501
								2300	8	19°42'36	18°28'35	8	21°82'66	6°44'63	9°0

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.



## ZONE + 66°.

R.A. 7 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 7 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 7 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 7 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								
Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 763. 1893, Feb. 8.				R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1710. 1893, Dec. 22.				Centre R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 763. 1893, Feb. 8.				R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1710. 1893, Dec. 22.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	
2301	12	21°6438	18°1433	16	24°0505	6°3231	°	2360	37	5°1350	23°9311	33	7°4917	11°9752	66° 488	m.
2302	9	3°3207	19°7325	15	5°7107	7°7612		2361	13	5°3410	24°0465	23	7°6968	12°0926		9.4
2303	12	3°5156	19°0458	22§	5°9136	7°0766		2362				12	8°046	12°3445		
2304	27	3°6383	19°3571	30§	6°0321	7°3872		2363	17	9°2966	24°6899	23	11°6457	12°7674		
2305				5	7°1779	7°8227		2364				12	14°1138	12°5764		
2306	43§	7°7004	19°2366	47§	10°0993	7°2993	66 491 8.5	2365	18	12°9602	24°7200	25	15°3124	12°8256		
2307	26§	9°2351	19°9200	27§	11°6268	7°9958		2366	12	18°4848	24°0220	18	20°8410	12°1759		
2308	3*	9°2548	19°6522	6	11°6441	7°7283		2367				13	5°3849	13°0210		
2309				5	12°5201	7°2462		2368	8†	6°2728	25°8089	18	8°6125	13°8646		
2310	8	13°3507	19°8135	15§	15°7425	7°9245		2369				6	11°7735	13°8250		
2311	20§	15°3343	19°3546	28§	17°7297	7°4819	66 497 9.4	2370	59§	10°5762	24°9895	66§	12°9249	13°0788	66 493 7.5	
2312	8	16°3240	19°0132	12	18°7233	7°1484		2371				5	12°9402	13°1045		
2313	4*	19°2317	19°7219	7	21°6280	7°8844		2372				8	15°4909	13°7173		
2314				7	22°6574	7°3273		2373	36	13°6628	25°4800	38§	16°0094	13°5935	67 484 9.5	
2315	16	22°4143	19°7628	17†	24°8068	7°9479		2374				5	17°8569	13°6295		
2316	16	22°8253	19°9027	21†	25°2168	8°0950		2375	13	15°6450	25°5745	18§	17°9891	13°7051		
2317	4*	9°9171	20°4785	6	12°3050	8°5630		2376				7	18°2824	13°8180		
2318	6†	16°6611	20°4874	5†	19°0450	8°6252		2377				4	18°4658	13°1969		
2319	4	17°4295	20°3925	9†	19°8164	8°5327		2378				11	19°0816	13°6858		
2320	3†	18°9042	20°3915	5	21°2923	8°5482		2379				9	21°6951	13°7263		
2321	8	19°5669	20°4197	10	21°9575	8°5854		2380				8	22°6708	13°5160		
2322	86§	20°6094	20°3624	103§	22°9939	8°5322	66 502 6.2	2381	5†	22°3562	25°2462	13	24°7019	13°4347		
2323				6	10°1664	9°5254										
2324				6	12°3461	9°5356			59§	25°5410	18°2623				66 508 6.7	
2325	9	10°5130	20°9518	13*	12°8974	9°0392			52§	0°6917	19°9728				66 486 9.1	
2326	17	20°0308	20°9450	21	22°4135	9°1122			75§	24°6476	26°4359				67 492 8.2	
2327	6	11°8522	21°2684	15	14°2320	9°3651			49§	21°4622	26°8912				67 488 8.5	
2328	6	11°2843	21°6919	4†	13°6604	9°7848		R.A. 7 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 7 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>								
2329	29§	12°6181	21°3969	31§	14°9956	9°4988		Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 726. 1893, Jan. 4.			R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.			Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 726. 1893, Jan. 4.		
2330	9	14°8592	21°5282	15	17°2356	9°6519		2382	18	10°7890	14°6670	28§	10°7746	2°6995	°	m.
2331				7	17°8247	9°4754		2383	7	11°1152	14°2821	13	11°1015	2°3160		
2332				5	19°8151	9°5746		2384	9*	12°0013	14°0866	12	11°9899	2°1199		
2333	20	20°0513	21°4826	31	22°4289	9°6499		2385	7†	14°2063	14°7894	8	14°1921	2°8191		
2334	19	22°7725	21°0482	20	25°1537	9°2384		2386	18	17°1601	14°8772	32§	17°1451	2°9070	66 520 9.4	
2335	14	23°1416	21°0116	19	25°5231	9°2066		2387				17	21°4549	2°8823		
2336				10	5°7360	10°9215		2388	14	22°1103	14°8157	20	22°0984	2°8373		
2337	11	3°9224	22°8133	22	6°2874	10°8486		2389	13†	4°9966	15°8174	25	4°9837	3°8585		
2338				7	7°0384	10°1765		2390	8*	6°5726	15°7199	19	6°5620	3°7593		
2339				12	7°2726	10°5507		2391				6	8°6645	3°3941		
2340	39§	5°8188	22°7385	44§	8°1868	10°7855	66 490 9.4	2392	11	12°1343	15°3976	23	12°1217	3°4279		
2341				7	13°7364	10°3563		2393	9	14°3043	15°4379	21	14°2916	3°4696		
2342				10	14°3349	10°6491		2394	6*	15°3227	15°0569	14	15°3115	3°0875		
2343	6*	13°3151	22°1179	7	15°6901	10°2251		2395	13	17°2140	15°1111	25	17°2006	3°1385		
2344				9	16°1775	10°4731		2396	17	17°2945	15°2096	29	17°2844	3°2374		
2345	6	14°5649	22°8812	12	16°9333	10°9997		2397	6*	18°4416	15°5973	11	18°4298	3°6224		
2346	10	17°8395	22°4830	17	20°2114	10°6315	66 500 9.5	2398				12	19°9629	3°8746		
2347	27	18°3640	22°5404	30§	20°7342	10°6902		2399	6*	24°6487	15°0763	20†	24°6350	3°0992		
2348	13	18°8089	22°1126	18	21°1821	10°2689		2400	16	4°7979	16°2937	26	4°7840	4°3324		
2349	4	20°5997	22°5907	17	22°9667	10°7618		2401	13	6°9660	16°8491	29	6°9576	4°8888		
2350				7	23°4783	10°4818		2402	9*	9°2489	16°6089	17	9°2346	4°6433		
2351	66§	21°2818	22°3231	82§	23°6535	10°5005	66 503 7.3	2403	29§	14°5617	16°2535	39§	14°5487	4°2824		
2352	20	22°8624	22°5949	26	25°2338	10°7839		2404	18	18°1152	16°0965	33	18°1047	4°1230		
2353	46§	3°0172	23°4428	43§	5°3780	11°4681	66 487 7.7	2405				19	19°5500	4°9993		
2354				6	13°5526	11°8354		2406	24	20°3254	16°2931	35	20°3148	4°3190		
2355	14	16°5880	23°7186	19	18°9494	11°8556		2407	5*	4°5687	17°7680	22	4°5562	5°8072		
2356	27§	17°4406	23°2321	27§	19°8037	11°3769										
2357	27	18°2999	23°0687	32	20°6657	11°2207	66 499 9.4									
2358	8	19°1922	23°3375	11	21°5597	11°4974										
2359				5†	23°0883	11°4045										

## ZONE + 66°.

R.A. 7 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 7 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>								R.A. 7 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 7 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>									
Centre		R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°		R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre		R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°		R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					
Plate 726. 1893, Jan. 4.				Plate 792. 1893, Feb. 16.				Plate 726. 1893, Jan. 4.				Plate 792. 1893, Feb. 16.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
							No. Mag.								No. Mag.		
2408	5*	7.5830	17.7032	12	7.5723	5.7415	°	m.	2467	8	2.9953	21.8257	22	2.9855	9.8698	°	m.
2409	21	9.7569	17.5080	28	9.7458	5.5422			2468				20	3.5742	9.6999		
2410	5*	12.4373	17.4006	12	12.4266	5.4303			2469				14	5.1166	9.0895		
2411	38§	14.3994	17.2413	44§	14.3859	5.2704	66 518	8.5	2470	7*	8.0751	21.6313	16	8.0653	9.6661		
2412				18	15.4249	5.8214			2471	15	11.1963	21.9079	23	11.1889	9.9417		
2413	20§	15.5338	17.2033	31§	15.5232	5.2315			2472	12†	13.7151	21.3977	19	13.7062	9.4302		
2414	11	18.5886	17.0569	19	18.5758	5.0865			2473	13†	15.2963	21.6382	20	15.2905	9.6682		
2415	7*	20.1635	17.7357	23	20.1521	5.7608			2474	13†	17.2960	21.1756	20	17.2907	9.2033		
2416	17	20.8331	17.4413	31§	20.8203	5.4659			2475	17	18.2655	21.8476	25§	18.2601	9.8746		
2417	11	21.7350	17.8264	25	21.7247	5.8509			2476				20	21.1710	9.6587		
2418	7†	24.3450	17.7649	26	24.3349	5.7857			2477				10	21.2456	9.3337		
2419	47§	3.9090	18.1287	54§	3.8944	6.1700	66 508	6.7	2478	12*	22.4166	21.9092	23	22.4098	9.9356		
2420	26§	5.9563	18.9572	40§	5.9453	6.9984	66 509	9.5	2479	39§	24.0848	21.1508	52§	24.0758	9.1749	66 524	9.0
2421				15	6.4731	6.2023			2480				19	6.6291	10.8559		
2422	10*	6.7844	18.8142	17	6.7741	6.8499			2481	22	7.1847	22.6926	35§	7.1757	10.7307	66 510	9.5
2423				15	7.1030	6.9300			2482				8	7.3615	10.5898		
2424	24§	7.5846	18.1007	30§	7.5740	6.1378			2483	21§	8.1058	22.0772	30§	8.0976	10.1145		
2425				16	9.5600	6.5342			2484	6	8.3162	22.4178	19	8.3101	10.4525		
2426	9*	9.7000	18.0474	16	9.6871	6.0805			2485	43§	9.5302	22.1736	52§	9.5242	10.2101	66 512	7.3
2427	7†	9.7455	18.9167	16	9.7349	6.9507			2486				13	11.9045	10.0450		
2428	8*	10.1443	18.7895	20	10.1359	6.8210			2487	8*	13.2232	22.5967	14	13.2194	10.6285		
2429	8*	10.4947	18.5782	20	10.4866	6.6144			2488	16	13.7749	22.2879	22§	13.7653	10.3199		
2430	19	11.8289	18.0534	20	11.8195	6.0850			2489	9*	14.0503	22.7979	15	14.0433	10.8297		
2431	31§	12.5551	18.8017	42§	12.5439	6.8338	66 515	9.0	2490	8*	14.3919	22.3469	15	14.3852	10.3773		
2432	6*	13.1657	18.6404	14	13.1603	6.6707			2491	14*	17.1900	22.3887	19	17.1850	10.4145		
2433				13	13.4621	6.0707			2492	14†	18.5153	22.2590	17	18.5074	10.2895		
2434	9†	13.8216	18.9336	19	13.8106	6.9627			2493	30§	19.2094	22.2397	41§	19.2001	10.2682	66 522	8.9
2435	16*	14.0038	18.7239	20	13.9919	6.7513			2494	9	21.5012	22.6088	20	21.4935	10.6363		
2436	12	15.3352	18.1620	20	15.3252	6.1909			2495				20	22.4001	10.4917		
2437	3†	15.7771	18.0512	20	15.7660	6.0827			2496	25†	2.7544	23.2622	34§	2.7451	11.3045	66 507	9.5
2438	16*	18.4645	18.0991	22	18.4537	6.1293			2497				11	9.6265	11.3540		
2439				20	23.8676	6.7310			2498	38§	12.7353	23.4181	47§	12.7269	11.4510	66 516	9.0
2440				14	3.3737	7.8153			2499	19	13.2341	23.2418	24	13.2277	11.2726		
2441	11†	3.8448	19.7705	17	3.8355	7.8109			2500	10†	13.5813	23.7179	20	13.5748	11.7503		
2442	14	9.3409	19.3273	22	9.3306	7.3613			2501	10†	14.4995	23.7529	24	14.4953	11.7831		
2443				11	10.2953	7.4874			2502	10*	19.1418	23.0382	19	19.1348	11.0636		
2444				11	11.9453	7.1099			2503				9	22.6554	11.9489		
2445	50§	12.4693	19.4129	57§	12.4615	7.4427	66 514	6.5	2504				15	23.0552	11.9421		
2446	43§	14.1778	19.9689	54§	14.1702	8.0004	66 517	8.5	2505				22	23.9074	11.7067		
2447	41§	16.4655	19.4465	54§	16.4560	7.4701	66 519	8.1	2506				11	3.8343	12.8113		
2448	26§	18.8425	19.2275	40§	18.8334	7.2542	66 521	9.0	2507				12	6.5197	12.6194		
2449	22§	21.6793	19.7711	40§	21.6704	7.7978			2508				12	6.6258	12.8571		
2450	13*	3.1952	20.9825	19	3.1855	9.0244			2509	14†	8.6058	24.8498	24	8.5992	12.8884		
2451				10	4.8086	8.1871			2510				18	9.4343	12.2117		
2452				10	7.2705	8.4803			2511	45§	10.4251	24.6382	62§	10.4188	12.6735	66 513	8.0
2453	29§	8.5370	20.9339	38§	8.5294	8.9706	66 511	8.6	2512				14	11.6626	12.0201		
2454				14	9.4314	8.8365			2513	11†	13.2879	24.9194	19	13.2852	12.9509		
2455				12	9.5621	8.4941			2514				15	15.7371	12.6764		
2456	7†	10.5250	20.4453	18	10.5156	8.4794			2515	21	15.9634	24.7926	29	15.9565	12.8212		
2457	17	13.8944	20.4374	23	13.8852	8.4691			2516	16*	16.5100	24.9486	26	16.5051	12.9806		
2458				14	14.5456	8.6157			2517				10	16.8165	12.4790		
2459				19	15.3700	8.3633			2518	19*	18.3737	24.2400	24	18.3662	12.2700		
2460	14†	19.5340	20.5836	19	19.5255	8.6103			2519	20	20.3485	24.3665	30§	20.3448	12.3927		
2461				11	21.5291	8.5118			2520				10	7.4003	13.7125		
2462	12*	22.1944	20.7307	24	22.1854	8.7566			2521	12*	9.7541	25.2910	21	9.7452	13.3281		
2463				21	23.9571	8.2096			2522	18†	12.0266	25.1778	26§	12.0260	13.2126		
2464				12	24.2311	8.2949			2523				11	13.2177	13.0527		
2465				9†	25.7658	8.1906			2524	15†	14.7761	25.7036	26§	14.7710	13.7357		
2466				8	2.6634	9.8339			2525				9	18.2471	13.0022		

No. 2465. This star is not seen on Plates 2460, 3032; it is within the limits measured on those plates.

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.



## ZONE + 66°.

R.A. 7 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 7 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 7 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 7 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 726. 1893, Jan. 4.				R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.				Centre R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2460. 1895, March 18.				R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 3032. 1896, March 19.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

No. 2579. This star is not given in the B. D., but is given as No. 1273 in the *Christiania (A. G.) Catalogue*. (Mag. 9.6.)

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 8 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 8 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup>							B. D.		R.A. 8 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 8 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.							B. D.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.			
Centre R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. +66° R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. +67°							Centre R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. +66° R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. +67°							Centre R.A. 8 <sup>h</sup> 6 <sup>m</sup> Dec. +66° R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. +67°						
Plate 3378. 1897, March 3. Plate 877. 1893, March 19.							Plate 3378. 1897, March 3. Plate 877. 1893, March 19.							Plate 3378. 1897, March 3. Plate 877. 1893, March 19.						
2617	8	8.6603	14.4247						2676	19	16.6802	20.1722	16	11.9852	8.1060					
2618	27 <sup>s</sup>	10.2017	14.0829	35	5.4345	2.0988			2677	15	18.5367	20.9659	19	13.8521	8.8804					
2619	8	17.8669	14.5846	5*	13.1066	2.5070			2678	8	18.7934	20.2440	8†	14.1045	8.1554					
2620	11	19.9500	14.4570	8	15.1877	2.3540			2679	9	8.3405	21.8858	7	3.6690	9.9256					
2621	5	21.8314	14.7086						2680	16	8.9108	21.5547	11	4.2354	9.5826					
2622	12	22.0512	14.8468	11	17.2924	2.7198			2681	7	10.8609	21.9185	6†	6.1944	9.9278					
2623	7	22.3321	14.1566						2682	13	13.6359	21.9444	8	8.9662	9.9176					
2624	59 <sup>s</sup>	24.0827	14.8184	55 <sup>s</sup>	19.3247	2.6671	66	545	7.5	2683	16	13.7029	21.2589	13	9.0240	9.2274				
2625	11	7.5387	15.3933						2684	24 <sup>s</sup>	13.8910	21.2764	26 <sup>s</sup>	9.2155	9.2472	66	540	9.5		
2626	11	8.3502	15.6359	9*	3.6040	3.6753			2685	18	14.5572	21.7149	14	9.8867	9.6752					
2627	14	8.6179	15.5012	10	3.8662	3.5315			2686	9	14.6639	21.6778	6*	9.9920	9.6379					
2628	20 <sup>s</sup>	17.6898	15.7429	29	12.9433	3.6671			2687	7	15.7399	21.0823	4*	11.0599	9.0288					
2629	7	19.7883	15.4634	4†	15.0383	3.3646			2688	13	16.2403	21.5166	7	11.5637	9.4596					
2630	19 <sup>s</sup>	20.0996	15.7249	31	15.3535	3.6202			2689	14	19.7998	21.1883	10	15.1181	9.0869					
2631	12	24.2841	15.7843	11	19.5378	3.6320			2690	14	9.2226	22.7389	14	4.5636	10.7636					
2632	18	7.5845	16.5649	15	2.8555	4.6120			2691	9	14.7405	22.6914	7	10.0789	10.6516					
2633	15	9.6364	16.8479	14	4.9036	4.8690			2692	19 <sup>s</sup>	15.0638	22.8461	17	10.4037	10.8014					
2634	4	11.0130	16.4858						2693	13	18.4328	22.0522	6*	13.7629	9.9487					
2635	7	13.3970	16.9350	4*	8.6684	4.9103			2694	18	8.0188	23.4194	17	3.3655	11.4603					
2636	5	15.6098	16.6805	5	10.8737	4.6317			2695	9	8.5763	23.2270	7	3.9220	11.2625					
2637	16	15.8669	16.5043	18	11.1307	4.4506			2696	6†	10.3314	23.0463	6	5.6780	11.0609					
2638	24 <sup>s</sup>	16.0508	16.4797	33 <sup>s</sup>	11.3128	4.4226			2697	17	10.6517	23.0765	9	5.9949	11.0845					
2639	12	18.2625	16.5502	14	13.5247	4.4664			2698	7	14.4182	23.0940	6*	9.7616	11.0590					
2640	7	18.4773	16.7636	4*	13.7424	4.6779			2699	18	16.7618	23.9385	13	12.1139	11.8727					
2641	7	23.3026	16.7960	7*	18.5704	4.6566			2700	16	20.4544	23.3226	10	15.7971	11.2132					
2642	12	9.2913	17.6761	13	4.5732	5.7015			2701	7†	21.1140	23.5238	6	16.4617	11.4079					
2643	47 <sup>s</sup>	9.6287	17.7392	47 <sup>s</sup>	4.9051	5.7577	66	538	7.8	2702	38 <sup>s</sup>	24.6492	23.8255	19	19.9958	11.6650	66	547	9.5	
2644	7	11.1425	17.1737	7	6.4162	5.1759			2703	8	7.0683	24.5335	10†	2.4327	12.5843					
2645	7	13.7609	17.1658	4	9.0308	5.1370			2704	8†	10.7475	24.4359	11	6.1047	12.4432					
2646	5	13.9371	17.4038	4*	9.2129	5.3693			2705	17	11.1025	24.1114	16	6.4577	12.1143					
2647	10	14.6299	17.8991	7	9.9097	5.8598			2706	16	15.0453	24.4492	12	10.4012	12.4032					
2648	7	15.6595	17.8637	4*	10.9386	5.8132			2707	23	18.3500	24.2464	27 <sup>s</sup>	13.7051	12.1645					
2649	11	16.0152	17.4963	11	11.2889	5.4415			2708	20	21.6829	24.0245	17	17.0348	11.9010					
2650	11	17.7687	17.1541	10	13.0383	5.0766			2709	62 <sup>s</sup>	22.4628	24.4160	51 <sup>s</sup>	17.8185	12.2815	67	538	7.0		
2651	7	20.4715	17.7861	7*	15.7483	5.6778			2710	18	9.0473	25.1044	24	4.4148	13.1309					
2652	4	10.3103	18.8424						2711	25	9.3200	25.4803	27 <sup>s</sup>	4.6916	13.5051					
2653	20 <sup>s</sup>	13.8092	18.3854	19	9.0937	6.3563			2712	20	10.6701	25.0649	26 <sup>s</sup>	6.0357	13.0748	67	527	9.5		
2654	7	15.5622	18.0539	7	10.8451	6.0021			2713	23	11.1456	25.7731	24	6.5199	13.7760					
2655	25 <sup>s</sup>	17.2201	18.8781	28	12.5127	6.8072	66	543	9.1	2714	13	16.6835	25.7044	11	12.0580	13.6419				
2656	18	19.4796	18.0207	18	14.7596	5.9229			2715	24 <sup>s</sup>	20.4024	25.6211	27 <sup>s</sup>	15.7752	13.5143					
2657	9	22.7607	18.8849	7	18.0528	6.7496			2716	16	20.4289	25.1171	19	15.7944	13.0091					
2658	16	10.0840	19.3217	15	5.5830	7.3369			2717				10	17.8644	13.3373					
2659	19 <sup>s</sup>	10.4217	19.7954	22 <sup>s</sup>	5.7258	7.8027							74 <sup>s</sup>	2.0851	1.5223	66	537	7.0		
2660	5	11.3229	19.1079	5*	6.6193	7.1088							38 <sup>s</sup>	12.9856	1.3169	66	544	8.3		
2661	5	12.7745	19.7402	4*	8.0780	7.7229										66	548			
2662	73 <sup>s</sup>	14.3431	19.7190	61 <sup>s</sup>	9.6436	7.6835	66	541	6.5	68 <sup>s</sup>	25.2489	21.7715				66	549			
2663	5	15.2732	19.9057	5	10.5780	7.8592			45 <sup>s</sup>	25.5709	22.4149					66	550			
2664	11	16.9917	19.4788	14	12.2899	7.4106			67 <sup>s</sup>	26.2079	23.7866									
2665	9	17.2849	19.5059	8	12.5829	7.4339														
2666	13 <sup>s</sup>	18.2363	19.8652	9	13.5381	7.7810														
2667	4	18.8120	19.5238	4†	14.1122	7.4353														
2668	23	22.1595	19.2072	19	17.4539	7.0803														
2669	8	22.4717	19.6601	8	17.7727	7.5260														
2670	20	24.3320	19.9934	14	19.6345	7.8375														
2671	41 <sup>s</sup>	24.5752	19.4413	27 <sup>s</sup>	19.8707	7.2837	66	546	9.4	2718	25	3.2950	14.5018	19	20.4453	2.4514				
2672	8	11.3227	20.9141	5	6.6393	8.9152			2719	22	3.5791	14.7156	21†	20.7155	2.6819					
2673	35 <sup>s</sup>	11.9847	20.6315	36 <sup>s</sup>	7.2965	8.6229	66	539	8.3	2720	7	3.4599	15.7966	9†	20.5362	3.7557				
2674	20 <sup>s</sup>	12.3121	20.9820	17 <sup>s</sup>	7.6303	8.9707			2721	34 <sup>s</sup>	7.6375	16.4275	48 <sup>s</sup>	24.6763	4.6109	66	551	9.0		
2675	12	12.5931	20.8893	12	7.9109	8.8732			2722	10	6.2450	17.4116								

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.



ZONE + 66°.

R.A. 8 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 8 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> —contd.									R.A. 8 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 8 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.										
Centre R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°					Centre R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°						
Plate 2499a. 1895, March 29.				Plate 877. 1893, March 19.					Plate 2499a. 1895, March 29.				Plate 1899. 1894, March 26.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
2723	15	8.6902	17.4483	11†	25.6730	5.6881	°	m.	2773	19	22.9318	18.1759	24	15.7491	6.0600	°	m.		
2724	16	4.0235	18.6986	18	20.9460	6.6820			2774	4*	23.2285	18.7067	15	16.0624	6.5851				
2725	15	6.3704	18.2252	16†	23.3109	6.3395			2775	45§	23.4150	18.8797	48§	16.2507	6.7477	66	567	8.1	
2726	16	8.0427	18.0823						2776				18	16.6420	6.5106				
2727	28	5.9915	19.7497	27	22.8491	7.8399			2777				9	16.5860	6.0430				
2728	27	8.8546	19.2433	32	25.7386	7.4895	66	552	9.5	2778	39§	24.4086	18.5497	43§	17.2348	6.3938	66	568	9.3
2729	27	7.8941	20.7991	27	24.6949	8.9908			2779	13	24.9632	18.6059	25§	17.7898	6.4352				
2730	44§	8.9685	20.4314	53§	25.7879	8.6806	66	553	8.1	2780	10	12.6871	19.7052	19	5.5524	7.8670			
2731	59§	3.8113	21.6376	49§	20.5735	9.6032	66	548	8.5	2781	31§	15.3875	19.1508	39§	8.2364	7.2411	66	557	9.3
2732	10	5.2078	21.9716	12	21.9462	10.0188			2782	17	17.4996	19.8900	25	10.3664	7.9220				
2733	9	5.7142	21.7682	15	22.4651	9.8410			2783	27	19.2399	19.4904	29§	12.0948	7.4760				
2734	39§	4.1755	22.2572	37§	20.9032	10.2433	66	549	8.8	2784	11	22.0342	19.0751	15	14.8767	6.9847			
2735	32§	5.4110	22.6153	33§	22.1157	10.6703			2785				16	16.8602	7.0599				
2736	29	3.3480	23.7258	25	19.9980	11.6639			2786	9	11.7347	20.7646	19	4.6275	8.9525				
2737	46§	4.8992	23.5893	43§	21.5533	11.6155	66	550	8.8	2787	7	11.7952	20.3804	16	4.6798	8.5693			
2738	15	5.9366	23.6611	17	22.5842	11.7404			2788	6	12.7759	20.6520	16	5.6669	8.8120				
2739				9†	23.6474	12.8843			2789				15	7.4091	8.7690				
2740	7†	4.4463	25.9658	10	20.9699	13.9655			2790				13	9.5532	8.5663				
2741	5†	7.8158	25.5090	7	24.3622	13.6870			2791	19	19.7970	20.1215	24	12.6676	8.0915				
2742	7†	8.2361	25.0481	8†	24.8056	13.2492			2792	6	20.7633	20.3645	13	13.6375	8.3054				
2743	20	8.4733	25.3178	19	25.0251	13.5344			2793	14	21.7706	20.5715	20	14.6505	8.4860				
							66	545	7.5	2794	20	22.0072	20.8900	28§	14.8994	8.7976	66	566	9.5
	57§	2.1864	14.7815				67	545	7.5	2795				7	17.0493	8.4049			
	82§	1.2058	24.4628				67	538	7.0	2796	14	11.6519	21.7357	16	4.5728	9.9265			
R.A. 8 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 8 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup>									R.A. 8 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 8 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup>										
Centre R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					Centre R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°						
Plate 2499a. 1895, March 29.				Plate 1899. 1894, March 26.					Plate 2499a. 1895, March 29.				Plate 1899. 1894, March 26.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
2744	10	9.3792	14.5814				°	m.	2773	19	22.9318	18.1759	24	15.7491	6.0600	°	m.		
2745	33§	12.7731	14.5445	42§	5.4992	2.7058	66	556	9.5	2774	4*	23.2285	18.7067	15	16.0624	6.5851			
2746	21	13.6450	14.7262	22	6.3738	2.8660			2775	45§	23.4150	18.8797	48§	16.2507	6.7477	66	567	8.1	
2747	6	11.2274	15.3269						2776				18	16.6420	6.5106				
2748	7	13.9876	15.4546	10	6.7339	3.5822			2777				9	16.5860	6.0430				
2749	9	14.9691	15.6660	10*	7.7248	3.7689			2778	39§	24.4086	18.5497	43§	17.2348	6.3938	66	568	9.3	
2750	15	15.8268	15.5250	20	8.5790	3.6032			2779	13	24.9632	18.6059	25§	17.7898	6.4352				
2751	29	17.2314	15.9702	39§	9.9915	4.0094			2780	10	12.6871	19.7052	19	5.5524	7.8670				
2752	13	19.3439	15.8227	16	12.1009	3.8071			2781	31§	15.3875	19.1508	39§	8.2364	7.2411	66	557	9.3	
2753	23	24.5717	15.1776	24	17.3099	3.0184	66	569	9.5	2782	17	17.4996	19.8900	25	10.3664	7.9220			
2754	24	13.0267	16.5176	30§	5.8064	4.6705			2783	27	19.2399	19.4904	29§	12.0948	7.4760				
2755	19	15.0449	16.2196	22	7.8153	4.3188			2784	11	22.0342	19.0751	15	14.8767	6.9847				
2756	11	17.2266	16.1358	17	9.9894	4.1765			2785				16	16.8602	7.0599				
2757	6	17.5131	16.2909	8*	10.2808	4.3258			2786	9	11.7347	20.7646	19	4.6275	8.9525				
2758	40§	17.6363	16.9139	42§	10.4230	4.9430	66	562	9.2	2787	7	11.7952	20.3804	16	4.6798	8.5693			
2759	22	19.2560	16.7650	39§	12.0369	4.7482			2788	6	12.7759	20.6520	16	5.6669	8.8120				
2760	16	19.4264	16.6678	22	12.2046	4.6474			2789				15	7.4091	8.7690				
2761	40§	19.7360	16.8545	44§	12.5186	4.8250	66	563	8.9	2790				13	9.5532	8.5663			
2762				10	13.8357	4.4653			2791	19	19.7970	20.1215	24	12.6676	8.0915				
2763	11	9.6349	17.8766	12*	2.4502	6.1259			2792	6	20.7633	20.3645	13	13.6375	8.3054				
2764	19	10.0072	17.9775	22	2.8260	6.2154			2793	14	21.7706	20.5715	20	14.6505	8.4860				
2765	23	10.2757	17.5019	36§	3.0821	5.7312	66	554	9.5	2794	20	22.0072	20.8900	28§	14.8994	8.7976	66	566	9.5
2766	7	14.9515	17.9066	10	7.7675	6.0107			2795				7	17.0493	8.4049				
2767	35§	16.0724	17.8099	40§	8.8825	5.8803	66	558	9.5	2796	14	11.6519	21.7357	16	4.5728	9.9265			
2768	19	21.5147	17.1781	19	14.3075	5.1034	66	564	9.5	2797	26	12.0965	21.6558	26	5.0148	9.8330			
2769	32§	21.9605	17.7651	42§	14.7657	5.6762	66	565	9.4	2798	11	12.6720	21.1632	17	5.5756	9.3272			
2770	20	22.6692	17.5012	22	15.4681	5.3950			2799	12	14.1145	21.6173	19	7.0291	9.7407				
2771	11	16.5571	18.9907	11	9.4001	7.0507			2800	15	14.1743	21.3958	21	7.0844	9.5164				
2772	9	21.9712	18.3602	14	14.7938	6.2727			2801	44§	16.6058	21.3832	48§	9.5150	9.4401	66	559	9.0	
									2802	46§	16.6247	21.2817	53§	9.5300	9.3369	66	560	8.5	
									2803	12	19.5413	21.6402	16	12.4522	9.6157				
									2804	26	19.6470	21.1898	27§	12.5496	9.1617				
									2805	19	19.7743	21.1402	24	12.6736	9.1118				
									2806	18	9.0817	22.6402	14	2.0233	10.9007				
									2807	30	10.0626	22.5969	28	3.0029	10.8306				
									2808	19	13.0674	22.6062	23	6.0111	10.7559				
									2809	5*	13.9316	22.5564	10	6.8706	10.6871				
									2810	6	14.3208	22.7013	10	7.2632	10.8207				
									2811	53§	16.9201	22.7625	66§	9.8652	10.8062	66	561	8.3	
									2812	13*	22.3628	22.0147	21	15.2850	9.9160				
									2813	40§	24.7551	22.9910	41§	17.7022	10.8256	66	570	9.3	
									2814	7*	17.3637	23.3934	12	10.3257	11.4256				
									2815	10†	21.3339	23.3510	19	14.2933	11.2808				
									2816				10	15.2835	11.1238				
									2817				17	17.4219	11.3915				
									2818	9*	12.9723	23.9479	9	5.9520	12.1015				
									2819				8	10.3745	12.0782				
									2820	31§	18.6416	24.6890	33§	11.6387	12.6867	67	553	9.5	
									2821	29§	19.5943	24.6054	35§	12.5873	12.5793				
									2822	21†	21.5042	24.9479	26	14.5066	12.8661				
									2823	27§	13.8581	25.1736	30§	6.8710	13.3039				
									2824				13	11.1187	13.3786				
									2825				22	14.3411	13.6047				
									2826				6						

1 *réseau* interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec. +  $66^{\circ}$ , and  $51^{\circ}.2$  at Dec. +  $67^{\circ}$ .

## ZONE + 66°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
No.							No.						
Mag.							Mag.						
R.A. 8 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 8 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup>							R.A. 8 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 8 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>						
Centre R.A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°							Centre R.A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°						
Plate 872. 1893, March 18. Plate 1899. 1894, March 26.							Plate 872. 1893, March 18. Plate 1885. 1894, March 21.						
2827	18	11°1005	14°2859				2877	26§	12°6597	17°3513	31§	3°0988	5°4800
2828	20	5°5891	15°1441	15*	20°2180	3°1068	2878				6†	6°6761	5°7192
2829	12	9°4757	15°6703				2879	13	17°4294	17°7208	19	7°8804	5°6792
2830	38§	8°0191	16°3190	52§	22°5946	4°3856	2880	14†	23°8411	17°9069	20	14°2947	5°6367
2831	15	8°9931	16°8414				2881	11	16°3749	18°2016	18	6°8448	6°1990
2832	37§	9°1721	16°3118	45	23°7468	4°4306	2882	10*	17°8147	18°0393	17	8°2764	5°9810
2833	14	9°6033	16°6504	10*	24°1641	4°7892	2883	20	19°8853	18°4360	27§	10°3619	6°3039
2834	27	8°2627	17°6192	29	22°7784	5°6949	2884	18	22°3648	18°8409	20	12°8493	6°6210
2835	32§	8°6415	17°7388	41§	23°1538	5°8308	2885	17†	22°8570	18°6966	20	13°3370	6°4399
2836	18	9°0223	17°2481	28*	23°5574	5°3606	2886	77§	23°6160	18°8373	67§	14°1019	6°5702
2837	19	9°3214	17°1519	15*	23°8569	5°2798	2887	11	13°1743	19°7005	20	3°6949	7°8106
2838	28§	9°7918	17°3314	31†	24°3223	5°4777	2888	7†	13°8750	19°1695	9†	4°3833	7°2529
2839	12	4°1960	18°9734	15	18°6535	6°8672	2889	12	20°1157	19°1691	19	10°6169	7°0286
2840	26§	11°8012	18°9797	34	26°2554	7°2131	2890	6*	21°1847	20°0749	11†	11°7130	7°8994
2841	44§	3°8126	19°4680	47§	18°2498	7°3439	2891	10	21°2503	20°0018	15	11°7769	7°8293
2842	35§	4°7964	19°2669	35§	19°2436	7°1874	2892	9*	14°0227	20°7672	13	4°5828	8°8451
2843	20	10°9425	19°9964	14†	25°3517	8°1924	2893	6*	14°8035	20°8594	13	5°3662	8°9170
2844	21	9°0142	20°0847	21*	23°4188	8°1953	2894	31§	15°2654	20°0095	32§	5°8009	8°0435
2845	57§	10°2523	20°9299	82§	24°6244	9°0912	2895	13	15°7242	20°0218	15*	6°2580	8°0389
2846	11	4°7560	21°2423	19	19°1144	9°1609	2896	20	17°9741	20°8754	22	8°5376	8°8113
2847	8	7°7493	21°6057	10	22°0907	9°6589	2897	11	21°0729	20°6800	17	11°6245	8°5085
2848	12	8°7545	21°3859	9	23°1042	9°4821	2898	22§	21°2040	20°7205	25§	11°7565	8°5451
2849	9	9°0757	21°0647	10	23°4381	9°1773	2899	16	22°2858	20°8076	20§	12°8451	8°5898
2850	16	5°1644	22°2542	14	19°4735	10°1898	2900				9	13°2454	8°0997
2851	20	7°3974	22°6292	17	21°6903	10°6648	2901				10	14°1074	8°4109
2852	27	8°9546	22°7887	28	23°2395	10°8911	2902				7	14°4382	8°8545
2853	14	9°0517	22°1350	13	23°3684	10°2432	2903	4	13°4752	21°1642	11	4°0528	9°2654
2854	16†	4°3426	23°1669	14	18°6139	11°0647	2904	10	14°9748	21°6337	17	5°5667	9°6786
2855	29	5°3760	23°4987	26	19°6350	11°4404	2905				9	6°2246	9°3282
2856	11	9°5182	23°0277	9	23°7976	11°1551	2906	12	16°0293	21°9656	14	6°6346	9°9718
2857	40§	4°5128	24°9064	32§	18°7064	12°8120	2907	11†	16°8615	21°3498	14	7°4413	9°3298
2858	42§	9°0767	24°4406	42§	23°2911	12°5483	2908	14	20°2662	21°1494	16	10°8359	9°0041
2859	12	11°6919	24°6697	10*	25°8927	12°8958	2909				11	12°8005	9°0078
2860	16	11°7066	24°6702	16*	25°9097	12°8969	2910				9	9°1950	10°3482
2861	39	4°1962	25°3427	32§	18°3702	13°2345	2911	12*	23°3587	22°2424	17	13°9650	9°9881
2862	21	8°2714	25°0908	17	22°4547	13°1645	2912	19	19°6363	23°0746	22§	10°2783	10°9500
	47§	1°7891	18°9580				2913	27§	13°3445	23°8320	25§	4°0153	11°9334
	107§	11°3369	26°9006				2914	52§	15°0261	23°8407	51§	5°6961	11°8829
							2915	31§	15°0839	23°2180	30§	5°7329	11°2566
							2916				10	6°8206	11°3841
							2917				10	7°2987	11°3502
							2918	7†	17°3810	23°5603	13	8°0408	11°5199
							2919				12	13°4917	11°4311
							2920	14†	22°9750	23°5497	22	13°6273	11°3081
							2921				9	4°0653	12°8913
							2922	20	15°2243	24°6617	22§	5°9238	12°6978
							2923				11	11°5513	12°6457
							2924				16	14°6476	12°1621
							2925	28	13°9681	25°4892	30§	4°6954	13°5666
							2926	22	14°0120	25°3488	26§	4°7350	13°4234
							2927				16	8°3348	13°2567
							2928				10	8°5861	13°0977
							2929	17	18°4328	25°2254	16	9°1473	13°1431
							2930	25†	21°5931	25°7851	24	12°3256	13°5899
							2931				19	13°4831	13°6523
R.A. 8 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 8 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>													
Centre R.A. 8 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°													
Plate 872. 1893, March 18. Plate 1885. 1894, March 21.													
2863	17	19°1037	14°7196	21†	9°4462	2°6186							
2864	33§	19°8778	14°1762	36§	10°2027	2°0498							
2865	29§	19°9771	14°7702	32§	10°3216	2°6402							
2866	27§	12°5289	15°4688	24†	2°9034	3°6035							
2867	20	16°1393	15°7545	23	6°5229	3°7582							
2868	20	22°0631	15°9508	28§	12°4460	3°7478							
2869	20	13°1593	16°1187	21†	3°5562	4°2289							
2870	7†	15°3562	16°1931	8†	5°7550	4°2260							
2871	28§	16°1145	16°6382	29§	6°5263	4°6428							
2872	8	17°3857	16°9578	16	7°8113	4°9192							
2873	11	17°9836	16°3799	20†	8°3853	4°3195							
2874	24	20°7333	16°7496	27§	11°1459	4°5902							
2875	8†	21°5886	16°8903	14†	12°0106	4°7012							
2876	16	24°3032	16°2312	26§	14°6946	3°9455							

No. 2871, B. D. 66° 53' (mag. 9.5). The declination given in the B. D. appears to be about 2' too small.

Nos. 2925, 2926; B. D. 67° 562, 67° 563. It is doubtful to which star the B. D. numbers should be respectively assigned;

1 réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.



## ZONE + 66°.

R.A. 8 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 9 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>								R.A. 9 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 9 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.							
Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 2463. 1895, March 18.				Plate 1885. 1894, March 21.				Plate 2463. 1895, March 18.				Plate 811. 1893, March 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.														

ZONE + 66°.

R.A. 9 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 9 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> —contd.									R.A. 9 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 9 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> .										
Centre R.A. 9 <sup>h</sup> 18 <sup>m</sup> Dec. +66°				R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. +67°					Centre R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. +66°				R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. +67°						
Plate 899. 1893, March 23.				Plate 811. 1893, March 4.					Plate 2475. 1895, March 22.				Plate 1863. 1894, March 11.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
									No.	Mag.								No.	Mag.
3034	32§	12.1343	21.1690	26	21.6966	9.2768	°	m.	3078	46§	16.5831	14.9561	87§	24.4431	3.1070	66°	630	7.2	
3035	35§	5.1001	22.9099	25	14.6090	10.7708	66	606	9.5	3079	20	13.9722	15.9561	39§	21.8065	4.0389			
3036	18	6.7742	22.3303	10	16.3024	10.2515			3080	21§	2.3843	16.8913	38§	10.1964	4.6812	66	622	9.1	
3037	12	10.3083	22.5034						3081	11*	5.1680	16.7333	22	12.9836	4.5942				
3038	18	14.1967	22.3798						3082				16	15.4469	4.1205				
3039	10	14.3879	22.9569						3083	9†	8.2658	16.0290	21	16.0980	3.9651				
3040	19	14.4146	22.8516	11*	23.9153	11.0406			3084	9*	9.8832	16.1414	24	17.7133	4.1221				
3041	22	14.7700	22.5007	11†	24.2858	10.7010			3085	18	13.2424	16.2996	36	21.0696	4.3629	66	627	9.5	
3042	38§	12.8605	23.8296	30	22.3335	11.9617			3086	9†	15.6588	16.3004	19	23.4840	4.4263				
3043	11	15.4336	23.9429						3087				16	11.7532	5.3704				
3044	20	15.7423	23.9537	6*	25.2053	12.1897			3088				10	12.5850	5.8678				
3045	21	6.8244	24.2016	13	16.2859	12.1286			3089				9	15.2770	5.6414				
3046	24	9.2608	24.8994	19	18.6968	12.9071			3090				14*	23.8418	5.2650				
3047	45§	9.8187	24.1627	37§	19.2802	12.1896	67	587	9.3	3091	26§	17.8325	17.6545	58§	25.6230	5.8328	66	633	9.3
3048	18	11.2806	25.4004	12	20.6982	13.4762			3092				9	14.9793	6.6320				
				54	22.4086	1.7815	66	612	8.5	3093	30§	16.8672	18.4513	50§	24.6374	6.6037	66	631	8.8
				50	26.1830	3.1578	66	615	9.3	3094	6*	4.1640	19.0081	15	11.9226	6.8444			
				37	26.4903	2.0448	66	616	8.6	3095	7*	8.3175	19.1401	16	16.0724	7.0782			
									3096				13	17.6822	7.0880				
									3097	10	12.0758	19.3396	24	19.8245	7.3735				
									3098	5*	5.9448	20.3233	16	13.6696	8.2004				
									3099				16	17.7220	8.4156				
									3100	19	18.8890	20.3753	36	26.6104	8.5809				
									3101	7†	3.7264	21.6912	24	11.4158	9.5165				
									3102				13	15.4528	9.1015				
									3103	25	8.7233	21.6798	35§	16.4132	9.6288	66	624	9.4	
									3104	33§	10.3771	21.1281	42§	18.0795	9.1199	66	626	8.8	
									3105	9*	13.9743	21.5452	21	21.6670	9.6236				
									3106	26	9.3088	22.9604	35§	16.9649	10.9235	66	625	9.3	
									3107	17	17.3345	22.0573	28	25.0128	10.2236				
									3108				10	14.9846	11.6951				
									3109	46§	12.6712	23.9756	66§	20.3022	12.0219	67	610	8.2	
									3110	22†	3.3702	24.9316	39§	11.0756	12.7441	67	598	9.5	
									3111	9*	5.7081	24.0408	21	13.3380	11.9131				
									3112	14	11.6868	24.5220	27§	19.3043	12.5470	67	609	9.5	
									3113				13	10.9239	13.2275				
									3114				24	11.6356	13.7145				
									3115				10	19.1490	13.0604				
									3116				9	20.7247	13.9032				
													90§	27.2944	1.6905	66	635	8.8	

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R.A. at Dec. +  $66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec. +  $67^{\circ}$ .



ZONE + 66°.

R.A. 9 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 9 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>							R.A. 9 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 10 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>									
Centre		R.A. 9 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre		R.A. 9 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				
Plate 951. 1893, April 2.				Plate 1932. 1894, April 3.				Plate 951. 1893, April 2.				Plate 3079. 1896, April 15.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								
3126	16	8.9285	14.0693	14	13.7011	2.0210	°	3180	20	23.1677	14.6534	16†	3.4790	2.7032	°	
3127	21	17.2094	14.8713	12	21.9741	2.9463		3181	31§	21.0128	15.9938	41§	1.4130	4.1751	66 649 9.3	
3128	48§	20.0939	14.7530	60§	24.8585	2.8730	66 647 9.3	3182	18	23.5719	19.4920	23	4.1875	7.5052		
3129	7	20.1771	14.1801					3183	42§	22.0665	20.2431	40§	2.7328	8.3477	66 650 7.3	
3130	14	6.3331	15.5773	19	11.0820	3.4909		3184	15	22.9649	20.8387	11	3.6671	8.8849		
3131	12	6.9507	15.3057	10*	11.7056	3.2285		3185	7†	22.5435	22.3744	6	3.3447	10.4446		
3132	13	7.6957	15.6585	8†	12.4459	3.5919		3186	26	23.8450	24.3462	22§	4.7684	12.3300	67 636 9.5	
3133	15	14.7971	15.6002	6	19.5497	3.6463		3187	18†	23.9439	25.8435	17	4.9593	13.8161		
3134	12	8.8460	16.4999	10	13.5845	4.4487										
3135	7	10.6636	16.3448	7	15.4042	4.3226						40§	1.4459	11.8317	67 634 7.8	
3136	7	15.1656	16.9681	6	19.8949	5.0143										
3137	38§	6.7843	17.0127	51§	11.5145	4.9348	66 640 8.4									
3138	7	9.4736	17.7009	7†	14.1903	5.6597										
3139	7	9.9066	17.1606	9*	14.6329	5.1295										
3140	16	16.0329	17.6807	20	20.7538	5.7400										
3141	10	18.5978	17.1977													
3142	47§	9.9747	18.7720	60§	14.6778	6.7425	66 642 8.4									
3143	18	4.4745	19.6275	22	9.1645	7.5140		3188	35§	4.1349	14.7902	32§	6.4582	2.6169	66° 652 9.1	
3144	7	7.6368	19.7443	4	12.3255	7.6812		3189	9	4.5119	14.3426	10†	6.8401	2.1744		
3145	41§	18.3271	19.8506	44§	23.0161	7.9455		3190	20	10.0757	14.8499	20	12.4017	2.7244		
3146	23	9.1317	19.5214	23	13.8227	7.4788	66 646 8.8	3191	23	2.8821	15.3907	19	5.2011	3.2086		
3147	10	4.7095	20.9757	7	9.3788	8.8668		3192	12	3.3450	15.9900	14	5.6610	3.8134		
3148	22	7.7152	20.2385	24§	12.3973	8.1749		3193	6	7.1707	15.1858	7*	9.4934	3.0361		
3149	8	10.0589	20.1859	4†	17.7392	8.1549		3194	13	7.3208	15.9264	14	9.6352	3.7797		
3150	12	10.9202	20.3459	15	15.5997	8.3301		3195	7	8.6353	15.6179	7	10.9567	3.4810		
3151	34§	13.4268	20.9365	41§	18.0974	8.9539	66 645 8.9	3196	27	17.8853	15.5692	23	20.2047	3.5131	66 662 9.4	
3152	14	16.4529	20.8546	14	21.1241	8.9187		3197	17	18.2649	15.9320	8*	20.5784	3.8782		
3153	13	18.2738	20.3132	11*	22.9548	8.4068		3198	120§	20.0574	15.0215	133§	22.3829	2.9800	66 664 5.0	
3154	17	4.2555	21.7607	16	8.9134	9.6465		3199	19	7.7479	16.5391	17	10.0587	4.3934	66 654 9.5	
3155	16	5.0996	21.4597	15	9.7620	9.3564		3200	27§	13.3579	16.8682	24	15.6654	4.7705	66 657 9.5	
3156	34§	6.0775	21.5286	40§	10.7383	9.4358	66 639 9.4	3201	16	14.0366	16.6612	14	16.3475	4.5696		
3157	18	6.1030	21.5402	19	10.7631	9.4507		3202	27	20.5001	16.4211	22	22.8101	4.3858		
3158	19	9.7940	21.5381	22	14.4551	9.5016		3203	8†	4.8520	17.9061	8	7.1526	5.7374		
3159	10	19.8382	21.9314					3204	19	12.9854	17.5023	14	15.2869	5.4011		
3160	35§	6.9093	22.6372	42§	11.5544	10.5571	66 641 9.1	3205	7	16.3300	17.1701	9†	18.6275	5.0989		
3161	13	14.8480	22.5292	12	19.4940	10.5709		3206	19	3.6449	18.1589	17	5.9421	5.9830		
3162	16	15.9868	22.6072	17	20.6321	10.6662		3207	7	12.8158	18.4610	6	15.1120	6.3597		
3163	21	17.8905	22.2561	26	22.5404	10.3446		3208	8	3.5327	19.8318	11	5.8138	7.6558		
3164	7	20.0573	22.1042					3209	19	6.5991	19.2310	15	8.8848	7.0805		
3165	8	10.3449	23.3505	5*	14.9787	11.3269		3210	6	6.8706	19.1685	6	9.1608	7.0173		
3166	25§	10.3700	23.9540	21	14.9950	11.9308	67 627 9.4	3211	48§	21.1302	19.1778	52§	23.4159	7.1448	66 665 7.8	
3167	22	11.0901	23.1997	23	15.7269	11.1868	66 643 9.5	3212	29§	7.8793	20.3794	26§	10.1560	8.2361	66 655 9.4	
3168	18	15.1028	23.2218	16	19.7362	11.2691		3213	14	17.1583	20.8765	14	19.4295	8.8116		
3169	8	16.4769	23.3150	5†	21.1113	11.3799		3214	29§	17.5202	20.8824	28	19.7917	8.8199	66 661 9.3	
3170	20	17.1196	23.5700	20	21.7506	11.6472		3215	18	21.9348	20.7004	19	24.2077	8.6768		
3171	20	18.9136	23.0235	8	23.5531	11.1282		3216	30	23.1164	20.5991	31	25.3915	8.5870	66 668 9.3	
3172	40§	20.5605	23.6389	47§	25.1868	11.7688	67 634 7.8	3217	6	6.5436	21.0710	8	8.8137	8.9202		
3173	12†	4.7248	24.6862	11	9.3410	12.5762		3218				7	5.4369	9.4657		
3174	25	4.9468	24.3230	32§	9.5670	12.2183	67 623 9.5	3219	30§	6.8819	21.4297	24§	9.1501	9.2814	66 653 9.5	
3175	47§	18.0863	24.7462	54§	22.6986	12.8388	67 633 8.1	3220	19	10.5675	21.3869	17	12.8381	9.2663		
3176	10†	6.6304	25.9863	10	11.2232	13.9087		3221	10	11.1247	21.9132	11	13.3895	9.8028		
3177	18	10.1080	25.1968	16	14.7137	13.1687		3222	28	11.3392	21.2091	28	13.6108	9.0967		
3178	39§	16.7134	25.0318	45§	21.3198	13.1033	67 631 8.5	3223	6*	14.8934	21.5997	7	17.1613	9.5187		
3179	27	20.6903	25.8342	20	25.2848	13.9653		3224	12	15.4484	21.2671	12	17.7176	9.1888		
								3225	27	17.2437	21.6235	26	19.5100	9.5607	66 660 9.5	
								3226	19	18.1299	21.7535	16	20.3951	9.6983		
				68§	2.2851	1.6433	66 635 8.8	3227	9	20.9128	21.7608	8	23.1787	9.7279		
				67§	26.7473	8.3898	66 650 7.3	3228	35§	21.8143	21.0462	29§	24.0850	9.0218	66 666 9.3	
								3229	10	6.9176	22.2908	13	9.1784	10.1436		
								3230	15	11.9751	22.8384	15	14.2340	10.7307		

1 *réseau* interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\circ}.2$  at Dec.  $+ 67^{\circ}$ .

## ZONE + 66°.

R.A. 10 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 10 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 10 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 10 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre		R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°		R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre		R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°		R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 325. 1892, April 8.				Plate 3079. 1896, April 15.				Plate 3104. 1896, April 28.				Plate 3105. 1896, April 28.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
3231	9	15°3050	22°1085					3284	16	11°8620	16°0953	18	12°0148	4°0402	
3232	12	20°0523	22°0939	13	22°3142	10°0554		3285	17	12°4954	16°0924	20	12°6501	4°0375	
3233	9	4°3533	23°7347	10	6°6019	11°5655		3286	7	14°8253	16°2820	6	14°9768	4°2320	
3234	20	17°4845	23°2992	17	19°7358	11°2406	66 659	3287	7	15°4584	16°4812	4*	15°6105	4°4326	
3235	23	21°1950	23°7318	22	23°4441	11°7047	67 650	3288	12	19°6906	16°3648	8*	19°8434	4°3253	
3236				7	15°1717	12°5904		3289	6	21°1320	16°6864				
3237	7	16°9330	24°4021	10	19°1757	12°3366		3290	10	21°5338	16°0265				
3238				14	5°9059	13°4661		3291	11	21°6867	16°4094				
3239				8	7°1761	13°3989		3292	18	22°8311	16°0570	11	22°9838	4°0250	
3240	24	8°0856	25°0294	24§	10°3240	12°8915	67 639	3293	17§	23°5829	16°3069	11†	23°7334	4°2765	
3241	10*	17°4993	25°5347	13	19°7315	13°4762		3294	20§	24°4371	16°3654	17	24°5905	4°3337	
3242	9*	17°4960	25°3214	13	19°7297	13°2599		3295	11	25°0930	16°2810				
3243	20	18°6415	25°2797	19	20°8750	13°2261		3296	19§	25°4948	16°0818	23	25°6459	4°0525	
3244	11†	21°2768	25°3243	13	23°5109	13°2936		3297	11	7°8221	17°3343	11	7°9718	5°2712	
								3298	11	10°1343	17°8619	12	10°2843	5°8074	
								3299	7	11°3803	17°1934	7†	11°5313	5°1363	
								3300	10	12°5153	17°6760	13	12°6643	5°6219	
								3301	14	17°3819	17°3812	11	17°5329	5°3359	
								3302	22§	17°6856	17°4483	25§	17°8340	5°4057	
								3303	100§	20°1855	17°0036	98§	20°3358	4°9664	66 678 5.2
								3304	10	3°7349	18°5829	7†	3°8816	6°5145	
								3305	9	3°8180	18°2024				
								3306	37§	3°9031	18°7432	40§	4°0463	6°6731	66 670 9.3
								3307	16	5°0599	18°0613	18	5°2096	5°9931	
								3308	6	9°7216	18°3363	5†	9°8686	6°2790	
								3309	19§	13°7857	18°9131	20§	13°9334	6°8628	
								3310	18	15°9455	18°2606	18	16°0942	6°2135	
								3311	7	16°1947	18°3797	9	16°3419	6°3295	
								3312	8	16°9937	18°5209	7	17°1402	6°4768	
								3313	21	7°7166	19°9348	19	7°8603	7°8723	
								3314	6	15°3990	19°1282	6†	15°5461	7°0781	
								3315	21§	23°3384	19°7498	22§	23°4841	7°7152	
								3316	12	24°0915	19°2469				
								3317	38§	2°9658	20°4822	31§	3°1093	8°4094	66 669 9.4
								3318	10	3°3731	20°5162	7	3°5153	8°4471	
								3319	20§	6°8903	20°2580	17§	7°0343	8°1938	
								3320	10	11°1052	20°2760	12	11°2497	8°2197	
								3321	6	14°9184	20°7043				
								3322	6	15°2050	20°2262				
								3323	23§	15°7963	20°6029	21§	15°9400	8°5542	
								3324	16	18°4641	20°8765	16	18°6082	8°8321	
								3325	9	19°4516	20°0219	9	19°5974	7°9827	
								3326	20	21°0183	20°5150	16	21°1603	8°4787	
								3327	44§	21°0461	20°6275	44§	21°1888	8°5903	66 679 8.5
								3328	9	22°6828	20°7111	10†	22°8262	8°6773	
								3329	11	25°1723	20°0352	10†	25°3154	8°0132	
								3330	16§	9°0048	21°6865	11	9°1459	9°6270	
								3331	18	9°2715	21°9647	14	9°4125	9°9064	
								3332	10§	10°1116	21°6761	20	10°2544	9°6188	
								3333	10	15°4137	21°2752	7	15°5554	9°2232	
								3334	11	15°6838	21°1646	7	15°8254	9°1167	
								3335	15	16°0333	21°4368	11	16°1756	9°3905	
								3336	14	18°4196	21°8024	8	18°5631	9°7590	
								3337	20	20°8185	21°2364	17	20°9601	9°1963	
								3338	22	25°4350	21°0311	23	25°5786	9°0034	
								3339	27§	5°9107	22°7222	23	6°0506	10°6573	
								3340	13	6°6912	22°2221	10	6°8308	10°1578	
								3341	7	10°7651	22°4942	4*	10°9047	10°4357	
								3342	10	16°7820	22°3885	6†	16°9214	10°3440	



## ZONE + 66°.

R.A. 10 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 10 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.										R.A. 10 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 10 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 3104. 1896, April 28.					Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 3105. 1896, April 28.					Centre R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 322. 1892, April 2.					Centre R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 859. 1893, March 17.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.			No.	Diam.	x.	y.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Plates 3104, 3105. No. 3375 is measured also on Plates 322 and 859.

r réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.

ZONE + 66°.

R.A. 10 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 11 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup>								R.A. 11 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 11 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.								
Centre R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				
Plate 3068. 1896, April 10.				Plate 859. 1893, March 17.				Plate 3068. 1896, April 10.				Plate 1921. 1894, April 1.				
No.	Diam.	<i>x</i> .	<i>y</i> .	Diam.	<i>x</i> .	<i>y</i> .	B. D.	No.	Diam.	<i>x</i> .	<i>y</i> .	Diam.	<i>x</i> .	<i>y</i> .	B. D.	
						No. Mag.								No. Mag.		
3449	16	3.7357	14.0218				°	m.	3500	428	19.2451	18.1509	438	14.2276	6.0555	66° 711 9.0
3450	13	4.1797	15.3948						3501	17	19.8418	18.5100	17	14.8297	6.4052	
3451	11	4.9847	15.4938						3502	10	20.8831	18.5514	10	15.8711	6.4257	
3452	12	5.8464	15.0689						3503	24	23.0675	18.7908	31	18.0599	6.6233	66 714 9.5
3453	10	5.9291	15.0503						3504	328	24.7223	18.8326	35	19.7323	6.6346	66 717 9.0
3454	11	4.3053	16.0768						3505	7	7.5531	19.7681				
3455	338	5.0295	17.3418	40	24.3156	5.3806			3506	18	12.1846	19.8264	22	7.1964	7.8621	
3456	15	4.9084	18.6005						3507	378	19.3740	19.7978	428	14.3827	7.6981	66 712 9.0
3457	458	5.5821	18.3262	518	24.8068	6.4001	66 696	8.3	3508	22	20.6755	19.8562	22	15.6873	7.7341	
3458	588	6.6058	18.9985	698	25.7834	7.1321	66 697	7.0	3509	248	10.4823	20.4766	25	5.5073	8.5487	
3459	11	6.9462	18.1093						3510	518	13.0459	20.6631	558	8.0772	8.6853	66 704 8.7
3460	368	4.1565	22.9380	27	23.0936	10.9119			3511	448	13.1870	20.8208	458	8.2205	8.8410	66 705 8.7
3461	23	6.0503	22.1173	24	25.0344	10.2136			3512	20	17.3851	20.5048	22	12.4109	8.4446	
3462	388	4.9135	23.3269	34	23.8256	11.3456			3513	16	17.6329	20.6098	16	12.6601	8.5447	
3463	488	4.9000	24.6287	33	23.7263	12.6482	67 679	9.0	3514	6	20.2961	20.3880	7*	15.3198	8.2741	
3464	25	6.1401	25.1161	21	24.9349	13.2108			3515	19	7.8741	21.8217	15	2.9261	9.9434	
	35	2.1960	25.6428				67 678	9.0	3516	278	9.0212	21.3741	27	4.0649	9.4718	
									3517	458	12.5155	21.0027	458	7.5512	9.0335	66 703 8.5
									3518	8	12.5905	21.9485	10†	7.6413	9.9777	
									3519	458	13.3137	21.8201	488	8.3611	9.8388	66 706 9.2
									3520	298	17.1562	21.7748	308	12.2021	9.7153	66 709 9.5
									3521	19	20.1355	21.9292	18	15.1906	9.8148	
									3522	19	21.5373	21.7536	21	16.5856	9.6164	
									3523	11	7.1595	22.4864	15	2.2237	10.6216	
									3524	16	16.6367	22.7770	16	11.7035	10.7307	
									3525	27	18.6821	22.5175	25	13.7419	10.4344	
									3526	12	18.7746	22.0833	10	13.8303	9.9992	
									3527	16	20.0853	22.4300	20	15.1477	10.3173	
									3528	18	23.6022	22.6020	24	18.6663	10.4257	
									3529	20	7.6358	23.6888	24	2.7220	11.8127	
									3530	13	7.6366	23.9470	20	2.7290	12.0722	
									3531				9	7.3762	11.2127	
									3532	10	17.7326	23.7735	14	12.8182	11.7064	
									3533	6	19.4966	23.1255	7	14.5683	11.0240	
									3534				7	17.1905	11.1530	
									3535				5	19.5703	11.6643	
									3536	278	16.3110	24.1644	388	11.4051	12.1246	
									3537	368	17.1405	24.2589	418	12.2334	12.2024	
									3538	6	8.4843	25.1541	8	3.5950	13.2626	
									3539	11	11.0200	25.6360	16	6.1403	13.6954	
									3540	12†	18.7066	25.6608	17	13.8286	13.5750	
													728	1.6014	7.1403	66 697 7.0
													508	18.3281	1.2343	66 715 8.8
									658	26.0710	24.0215				67 694 8.6	
R.A. 11 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 11 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup>								R.A. 11 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 11 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup>								
Centre R.A. 11 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				
Plate 3068. 1896, April 10.				Plate 1921. 1894, April 1.				Plate 938. 1893, March 29.				Plate 1921. 1894, April 1.				
No.	Diam.	<i>x</i> .	<i>y</i> .	Diam.	<i>x</i> .	<i>y</i> .	B. D.	No.	Diam.	<i>x</i> .	<i>y</i> .	Diam.	<i>x</i> .	<i>y</i> .	B. D.	
						No. Mag.								No. Mag.		
3465	16	8.4855	14.3230	9*	3.3963	2.4300	°	m.	3541	9	6.5015	14.5180	10†	23.2286	2.3439	°
3466	388	9.8859	14.4687	458	4.7995	2.5488	66 702	9.3	3542	5	8.8967	14.5429				
3467	288	14.1730	14.4487	29	9.0864	2.4479			3543	5	7.5782	17.8756	8*	24.1260	5.7492	
3468	20	8.7380	15.1032	19†	3.6634	3.2083			3544	5	8.2121	17.4507	8*	24.7778	5.3612	
3469	348	9.6718	15.7961	418	4.6078	3.8798	66 701	9.4	3545	19	5.0556	20.8244	28	21.4399	8.5572	
3470	12	12.0759	15.7287	11*	7.0139	3.7692			3546	5*	6.1401	20.9172	5	22.5131	8.7138	
3471	308	15.3188	15.4260	34	10.2500	3.4013			3547	11	5.4359	21.5312	21	21.7810	9.2839	
3472	12	17.3050	15.2323	9*	12.2329	3.1740			3548	19	7.3810	21.2112	33	23.7410	9.0746	
3473	10	18.7453	15.8016	10†	13.6822	3.7146										
3474	15	22.0538	15.4399	13*	16.9798	3.2937										
3475	18	22.1325	15.6784	17	17.0637	3.5331										
3476	22	24.1718	15.1087	21	19.0960	2.9232										
3477	18	12.0554	16.7170	20	7.0098	4.7541										
3478	17	14.9284	16.1493	20	9.8717	4.1362										
3479	20	15.1184	16.9808	16	10.0785	4.9635										
3480	438	15.8314	16.9494	468	10.7896	4.9186	66 708	7.9								
3481	11	17.8764	16.9174													
3482	12	19.1371	16.4288	8*	14.0872	4.3341										
3483	8	19.8231	16.0193													
3484	20	22.7620	16.1494	28	17.7022	3.9898										
3485	298	24.0004	16.9130	398	18.9602	4.7280	66 716	9.5								
3486	25	24.4568	16.6119	28	19.4096	4.4195										
3487	438	7.9942	17.4698	588	2.9628	5.5878	66 699	8.5								
3488	8	8.6738	17.5084													
3489	22	10.1742	17.2967	22	5.1403	5.3700										
3490	7	11.5747	17.4909													
3491	348	15.6194	17.0553	398	10.5807	5.0258	66 707	9.2								
3492	10	22.3057	17.8929	12	17.2801	5.7381										
3493	11	23.8749	17.1498	6*	18.8356	4.9672										
3494	15	24.7614	17.5424	20	19.7272	5.3454										
3495	408	8.3442	18.6173	418	3.3355	6.7252	66 700	9.0								
3496	12	10.6087	18.9800	10	5.6067	7.0512										
3497	14	13.9660	18.7780	13	8.9613	6.7824										
3498	258	16.0347	18.0761	29	11.0160	6.0401										
3499	8	18.5058	18.2481	8*	13.4898	6.1641										

No. 3519, B. D.  $66^{\circ} 706$ . The R. A. given in the B. D. appears to be about 20 secs. too large.  
 No. 3504, B. D.  $66^{\circ} 717$ . This star has a Proper Motion of  $-0^{\circ} 499$  in R. A. and  $+0'' 23$  in Dec. according to the *A. G. C. (Christiania)*.  
 No. 3510, B. D.  $66^{\circ} 705$ . This star appears to have a large Proper Motion.

1 *réseau* interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R. A. at Dec. +  $66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec. +  $67^{\circ}$ .



## ZONE + 66°.

R.A. 11 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 11 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>								R.A. 11 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 11 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 938. 1893, March 29.				Plate 1921. 1894, April 1.				Plate 938. 1893, March 29.				Plate 2549. 1895, April 23.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.

1 réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 11 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 11 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 11 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 11 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.									
Centre R.A. 11 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 11 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					
Plate 2521. 1895, April 10.				Plate 2549. 1895, April 23.				Plate 2521. 1895, April 10.				Plate 3907. 1898, March 20.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
3653	8	11.2354	21.0727	11†	25.5796	9.2730	•	m.	3706	5	13.5264	21.1967	10	4.0531	9.4583	•	m.
3654	8	11.8393	22.7624	9	26.1050	10.9899			3707	8	15.0695	21.2512	12	5.5972	9.4642		
3655				9	22.3717	11.7675			3708				4	6.5407	9.9337		
3656	11	8.2697	23.0887	11	22.5190	11.1495			3709	2*	16.8100	21.6838	4	7.3486	9.8418		
3657	16	9.8903	23.2976	25	24.1315	11.4323			3710	13	21.4085	21.6022	16	11.9402	9.6078		
3658	22	4.5272	24.0707	23§	18.7361	11.9465			3711				4	12.4288	9.1372		
3659	5	8.8758	24.9446	6†	23.0344	13.0307			3712	23	23.0744	21.5138	30§	13.6031	9.4651	66 735	9.5
3660	3†	9.6301	24.0926	6	23.8307	12.2142			3713	7	12.1919	22.2302	12	2.7509	10.5364		
3661				5	18.3199	13.4270			3714				7	5.6876	10.8231		
3662	9†	4.9335	25.4798	19	19.0718	13.3741			3715	15	17.0347	22.1294	19	7.5868	10.2782		
3663				15	19.1017	13.8703			3716	2*	17.8341	22.1599	6	8.3879	10.2803		
3664				9	20.3165	13.7128			3717	11	18.3688	22.5198	15§	8.9345	10.6219		
3665				9	22.5351	13.3600			3718	9	19.3449	22.1967	13	9.8988	10.2685		
3666				9	22.7502	13.5604			3719	3	21.4308	22.0749	7	11.9798	10.0809		
3667	41§	10.3183	25.4596	49§	24.4551	13.6113	67 718	8.8	3720				5	13.1870	10.6442		
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 11 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 11 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					
Plate 2521. 1895, April 10.				Plate 3907. 1898, March 20.				Plate 2521. 1895, April 10.				Plate 3907. 1898, March 20.					
3668	9	19.7699	14.8611	8	10.0845	2.9264	•	m.	3721				4	14.3947	10.2694		
3669	4†	21.1028	14.0806	6	11.3888	2.0992			3722				4	10.2438	11.7462		
3670	9†	23.8815	14.0250	11	14.1672	1.9535			3723				8	11.1856	11.0534		
3671	7	18.7465	15.9957	15	9.1000	4.0914			3724				12	14.6964	11.0628		
3672	8	19.9804	15.6199	13	10.3170	3.6764			3725	16	21.1837	23.0601	18	11.7652	11.0744		
3673	5	13.3768	16.4817	7	3.7503	4.7540			3726	33§	21.1161	23.1608	42§	11.7006	11.1756	67 723	8.9
3674	16	13.7112	16.4840	35§	4.0822	4.7448			3727	4†	21.7663	23.1603	8	12.3535	11.1535		
3675	7	18.1053	16.2957	10	8.4658	4.4113			3728	8	23.6785	23.7924	17	14.2849	11.7213		
3676	2*	18.8070	16.7467	6	9.1808	4.8358			3729				17	14.5883	11.2230		
3677	5	19.5750	16.0252	8	9.9255	4.0925			3730				5	7.8316	12.1666		
3678	4	20.0676	16.9032	6	10.4459	4.9548			3731				5	8.8364	12.2057		
3679	18	13.0603	17.2762	33	3.4548	5.5577	66 732	9.4	3732				4	13.6890	12.3747		
3680	3*	18.1431	17.8293	8	8.5559	5.9412			3733	13	13.8410	25.1310	22	4.4948	13.3839		
3681				8	14.1553	5.3305			3734	12†	19.2675	25.2952	16	9.9217	13.3712		
3682				5	14.6781	5.2603			3735				6	10.3084	13.7248		
3683	10	18.7094	18.8935	13	9.1574	6.9872			3736				3	14.5365	13.4738		
3684				4*	11.0994	6.3012			R.A. 11 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 12 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>								
3685	7	13.4439	19.0504	8	3.8997	7.3183			Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Plate 940. 1893, March 29.		
3686	24§	16.0017	19.3307	34§	6.4639	7.5145			Plate 940. 1893, March 29.			Plate 3907. 1898, March 20.					
3687	7	17.2450	19.7973	10	7.7218	7.9390			3737	11	6.6761	14.7527	28	18.7581	2.7807	66° 739	m.
3688				3	8.2978	7.5328			3738	6†	3.5635	15.3946	11	15.6198	3.3015		
3689	5	19.4910	19.8599	9	9.0693	7.9265			3739	28§	8.7440	15.7092	55§	20.7806	3.8141	66 741	9.4
3690	7	21.9492	19.1602	12	12.4036	7.1462			3740	17	7.2262	16.8959	30§	19.2263	4.9437		
3691				6	12.4583	7.7008			3741	11	7.5907	16.7521	27§	19.5947	4.8143		
3692				6	12.8044	7.7977			3742	23§	7.6142	16.7467	36§	19.6167	4.8077	66 740	9.5
3693				4	13.4054	7.2147			3743	8	8.0477	16.1049	23	20.0750	4.1850		
3694	3	18.0002	20.3197	15	8.4923	8.4357			3744	8	8.1729	16.3416	17	20.1920	4.4243		
3695				5	8.5795	8.0768			3745	20	8.5630	16.8211	29§	20.5628	4.9198		
3696	11	18.1950	20.3500	16	8.6892	8.4598			3746	20	9.5589	16.3414	40§	21.5756	4.4814		
3697	3	18.8526	20.5761	8	9.3521	8.6641			3747	7	10.4746	16.5622	13	22.4800	4.7401		
3698	20§	18.9830	20.9146	28	9.4936	8.9988			3748				7*	24.6697	4.4515		
3699	4	19.2855	20.3240	8	9.7786	8.3993			3749				5	15.1260	5.3969		
3700				4	10.3895	8.9577			3750	2	3.8606	17.7708	13	15.8220	5.6818		
3701	17	20.4951	20.6923	20	10.9973	8.7286	66 733	9.5	3751				8*	24.6239	5.3055		
3702				4	11.7915	8.4334			3752	18	3.1442	18.9922	28§	15.0615	6.8786	66 736	9.4
3703				6	12.3284	8.0360			3753	13	3.8517	18.6501	24	15.7820	6.5606	66 738	9.5
3704	22	22.7811	20.4750	30§	13.2760	8.4359			3754				8	16.5334	6.6904		
3705	12	22.8727	20.6604	18	13.3701	8.6180			3755	14	6.5137	18.6528	26	18.4418	6.6720		

Plate 2521, No. 3694. The images of this star are on the *réseau* line.  
The measure of diameter is therefore uncertain.

1 *réseau* interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.



## ZONE + 66°.

No.		Diam.	x.	y.	Diam.		x.	y.	B. D.		No.		Diam.	x.	y.	Diam.		x.	y.	B. D.	
																</					

Plate 940, No. 3797. The images of this star are on the réseau line.  
The measure of diameter is therefore uncertain.

Nos. 3828, 3829. It is doubtful which of these stars is B. D. 66° 756.

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.

## ZONE + 66°.

R.A. 12 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 12 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> — <i>contd.</i>								R.A. 12 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 12 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> — <i>contd.</i>								
Centre R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				
Plate 941. 1893, March 29.				Plate 862. 1893, March 17.				Plate 942. 1893, March 29.				Plate 2524. 1895, April 10.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
3857	88§	11·4088	25·2894	93§	20·7153	13·3640	67° 742	3900	6	14·7047	21·2297					
3858	14	13·8799	25·4599	25	23·1765	13·6206		3901	21	7·7146	22·9323	23	14·9079	10·8658		
								3902	11	8·0210	22·9140	7†	15·2162	10·8560		
								3903	5	10·3908	22·3083					
								3904	11	13·3246	22·6331	10	20·5235	10·7002		
	32§	1·9439	19·2503	67§	19·2303	1·0302	66 754	3905	8	13·6088	22·4211					
	31	2·8780	26·5718				66 750	3906	9	16·8692	22·0710					
							67 736	3907	24§	10·5826	23·3950	23	17·7650	11·3977		
R.A. 12 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 12 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup>								3908	25	13·9805	23·9499	29	21·1499	12·0303		
Centre R.A. 12 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				3909	8	14·1213	23·6647	6†	21·2949	11·7486		
Plate 941. 1893, March 29.				Plate 2524. 1895, April 10.				3910	19	17·7549	24·2234	14	24·9133	12·3977		
3859	9	16·4894	14·6945					3911	38§	10·8245	25·0777	34§	17·9665	13·0847	67 756 9·1	
3860	50§	21·2937	14·3177	64§	6·5834	2·3152	66 761 7·5		90§	2·5995	19·5366				66 763 6·5	
3861	19	22·5056	14·9672	23	7·8264	2·9086		R.A. 12 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 12 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>								
3862	13	20·9717	15·6281	16	6·3262	3·6429	66 760 9·5	Centre R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				
3863	5	19·1814	17·6689					Plate 942. 1893, March 29.				Plate 2525. 1895, April 10.				
3864	15	21·1314	17·8016	15	6·5892	5·8034		3912	9	20·7167	14·9707	16	3·6950	3·0637		
3865	10	20·5891	18·3549	11	6·0770	6·3853		3913	13	22·1885	14·7867	9†	5·1596	2·8002		
3866	7	19·5884	19·3606	10	5·1260	7·4390		3914	27§	21·1270	16·8995	27	4·2143	4·9687		
3867	80§	24·3406	19·5042	76§	9·8768	7·3484	66 763 6·5	3915	19	22·2759	17·1610	17	5·3774	5·1664		
3868	9	19·7052	20·4683					3916	28§	23·7846	17·9186	27§	6·9221	5·8345		
3869	5†	18·7405	21·7990					3917	7	20·1657	18·8825					
3870	24	23·4452	21·7947	24§	9·0929	9·6830	66 762 9·3	3918	8	20·5628	18·6486	7	3·7474	6·7441		
3871				12	4·4805	11·7233		3919	15	22·7540	18·1443	14	5·9054	6·1206		
3872	12	17·6302	23·9230	22	3·3894	12·0898		3920	17	19·9616	19·2369	16	3·1796	7·3671		
3873	22	23·8080	23·6643	19	9·5459	11·5341		3921	22	21·3764	19·8771	21	4·6297	7·9255		
3874				9	5·9509	12·2619		3922	31§	20·2422	21·9436	34§	3·6124	10·0546	66 771 8·9	
3875	20	21·4765	24·2989	22	7·2486	12·2767		3923	23	22·5965	21·2735	26§	5·9253	9·2519		
3876	24	22·2115	24·4769	23	7·9906	12·4208	67 745 9·5	3924	13†	21·1843	23·4572	14	4·6343	11·5103		
3877	20	20·3250	25·9223	20	6·1771	13·9537		3925	10	21·9260	23·1324	12	5·3615	11·1504		
R.A. 12 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 12 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup>								3926				6	3·8305	13·6620		
Centre R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°								56§	6·5659	1·7676	66 772 8·8	
Plate 942. 1893, March 29.				Plate 2524. 1895, April 10.								47§	2·0410	4·6996	66 769 9·0	
3878	11	9·1614	14·4219									31§	2·2035	7·8311	66 770 9·2	
3879	18	2·8549	15·8759	15	10·2180	3·6953						65§	0·9739	8·1204	66 768 7·3	
3880	14	3·4215	15·2786	9	10·7987	3·1151		R.A. 12 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 12 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>								
3881	15	10·8626	15·2088					Centre R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				
3882	25	14·3268	15·5226	24	21·6976	3·6143		Plate 2526. 1895, April 10.				Plate 2525. 1895, April 10.				
3883	14	4·0496	16·2101	15	11·4021	4·0565		3927	18	4·3743	14·6007	17	9·2724	2·5607		
3884	28§	11·2318	16·3192	30§	18·5815	4·3366	66 766 9·0	3928	18	8·1992	14·6509	17	13·0947	2·6621		
3885	5	11·8354	16·3526					3929	10	12·9154	14·3331					
3886	5	13·5860	16·0970	3*	20·9437	4·1677		3930	10	13·9715	14·8848	9	18·8634	2·9667		
3887	32§	18·9744	16·5089	33§	26·3203	4·7105	66 769 9·0	3931	10	6·3416	15·7902	10†	11·2256	3·7761		
3888	15	3·0248	17·7519	12	10·3436	5·5748		3932	20	7·4212	15·1413	20	12·3109	3·1427		
3889	7	12·3432	17·9254					3933	16	7·3095	16·9606	16	12·1753	4·9604		
3890	11	9·8552	18·0659	9	17·1652	6·0513		3934	16	10·7388	16·6142	13	15·6095	4·6527		
3891	14	3·2242	19·4514	12	10·5001	7·2781		3935	8	12·1172	16·5960					
3892	9	14·3539	19·5624					3936	11	15·1652	16·6543	14	20·0355	4·7541		
3893	64§	17·7163	19·8644	68§	24·9850	8·0358	66 768 7·3	3937	23§	19·4260	16·0244	28§	24·3057	4·1775	66 786 9·5	
3894	9	18·7970	19·3500					3938	20§	19·8847	16·0039	24	24·7641	4·1634		
3895	23	18·9581	19·6446	18	26·2285	7·8474	66 770 9·2	3939	9	6·9363	17·3398	15	11·8013	5·3311		
3896	14	3·5353	20·1946	11	10·7941	8·0268										
3897	9	11·7757	20·9049													
3898	21	15·4650	20·3491	25	22·7189	8·4648										
3899	12	16·8651	20·1063													

1 réseau interval represents very nearly 5' = 49<sup>s</sup>·2 of R.A. at Dec. + 66°, and 51<sup>s</sup>·2 at Dec. + 67°.



## ZONE + 66°.

R.A. 12 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 12 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.									R.A. 12 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 13 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> —contd.										
Centre R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Centre R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°										
Plate 2526. 1895, April 10.			Plate 2525. 1895, April 10.			Plate 2526. 1895, April 10.			Plate 2641. 1895, May 29.										
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
3940	22§	7°0951	17°4173	22§	11°9580	5°4101	66°	774	9.4	3989	40§	21°6373	18°9494	47§	2°3785	7°1753	66°	787	8.7
3941	28§	8°4349	17°7689	31	13°2914	5°7808	66	775	9.0	3990	11	21°2739	20°5489						
3942	14	9°3782	17°5588	14	14°2390	5°5790				3991	38§	23°0992	20°3601	39§	3°9302	8°4889	66	789	8.8
3943	8	15°8687	17°8130							3992	9	23°8590	21°4587	16	4°7634	9°5370			
3944	25§	16°2272	17°6832	27§	21°0845	5°7955	66	782	9.5										
3945	4	4°5345	18°8352	9	9°3745	6°8000													
3946	24§	5°1075	18°5992	27§	9°9555	6°5704	66	773	9.5										
3947	10	15°7112	18°4757	7	20°5629	6°5802													
3948	25§	17°2730	18°0144	22§	22°1252	6°1389	66	784	9.5										
3949	10	18°1689	18°8087																
3950	23§	13°2868	19°0014	31§	18°1282	7°0749													
3951	11	17°1808	19°6494	11	22°0109	7°7715													
3952	29§	18°2458	19°5492	33	23°0795	7°6887	66	785	9.3										
3953	11	4°6098	20°7812	12	9°4290	8°7447													
3954	58§	12°1874	20°3115	70§	17°0135	8°3747	66	780	7.3										
3955	14	3°3827	21°9324	11	8°1848	9°8817													
3956	23	5°0647	21°3963	24	9°8758	9°3650													
3957	8	6°2145	21°9631	9	11°0162	9°9461													
3958	17	9°4930	21°4676	16	14°3019	9°4940													
3959	33§	12°8746	21°9141	25§	17°6779	9°9810	66	781	9.3										
3960	24	5°3849	22°3213	15	10°1847	10°2910													
3961	8	5°3988	22°1998	7	10°1981	10°1710													
3962				6	12°5287	10°3183													
3963	14	10°2383	22°7924	11	15°0287	10°8255													
3964	6	19°1097	22°3237	5	23°9074	10°4693													
3965	14	8°5925	23°3374	17	13°3768	11°3506													
3966	30§	8°7029	23°9685	32§	13°4796	11°9820	67	768	9.4										
3967	5	11°9710	23°7583	5	16°7542	11°8126													
3968	12	12°4045	23°6468	11	17°1861	11°7102													
3969	25	13°3593	23°6390	22	18°1410	11°7113													
3970	9	13°4143	23°8250	7	18°1934	11°8993													
3971	14	16°2895	23°2281	14	21°0761	11°3397													
3972	14	3°3436	24°4874	18	8°1134	12°4320													
3973	16	5°6321	24°1681	15	10°4081	12°1446													
3974	4	12°4645	24°3672	6	17°2344	12°4311													
3975	33§	17°6696	24°9912	32§	22°4325	13°1225													
3976	17	18°9062	24°6179	21	23°6750	12°7637													
3977	26	3°4128	25°6565	26	8°1680	13°6031													
3978	7	7°8053	25°9593	5	12°5584	13°9614													
3979	33§	15°7406	25°5763	29§	20°4951	13°6796	67	772	9.4										
3980	8†	16°1101	25°0325	8	20°8732	13°1417													
3981	8	16°7179	25°6206	11	21°4736	13°7359													
3982	9	19°2687	25°0594	11	24°0325	13°2109													
				120§	15°8595	1°6978	66	778	5.0										
				55§	26°4827	7°1274	66	787	8.7										
25§				6°6401	26°0486		67	766	9.4										
R.A. 12 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 13 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>																			
Centre R.A. 12 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°																
Plate 2526. 1895, April 10.			Plate 2641. 1895, May 29.																
3983	8	24°2827	15°5953																
3984	15	21°6850	16°9341	10	2°2934	5°1659													
3985	14	23°4051	16°9111																
3986	44§	23°6324	16°5019	62§	4°2072	4°6042	66	790	8.3										
3987	31§	24°0644	16°7150	31§	4°6515	4°7888	66	791	9.4										
3988	20§	22°8564	17°0101	17	3°4688	5°1620	66	788	9.4										
R.A. 13 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 13 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup>																			
Centre R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°																
Plate 2537. 1895, April 14.			Plate 2641. 1895, May 29.																
3993	28§	4°4599	14°4511	14	6°8259	2°4940													
3994	29§	5°7271	14°6206	23	8°0935	2°6764	66	794	9.5										
3995	15	6°2575	14°2623	10†	8°6254	2°3207													
3996	6	9°6607	14°1929																
3997	13	11°9130	14°0528	8†	14°2856	2°1607													
3998	13	14°1140	14°8779																
3999	27	16°8574	14°3009	15	19°2261	2°4551													
4000	26	23°5499	14°6598																
4001	24	23°7008	14°6200																
4002	12	3°9028	15°1290																
4003	41§	5°7126	15°2907	42§	8°0715	3°3474	66	793	7.8										
4004	60§	7°9241	15°1653	54§	10°2842	3°2422	66	796	8.0										
4005	17	13°3646	15°8497	8	15°7167	3°9760													
4006	18	17°9696	15°3419	9	20°3313	3°5045													
4007	15	18°5437	15°0617																
4008	13	19°9308	15°9060																
4009	15	21°7364	15°3368	6†	6°0052	4°3315													
4010	18	3°6603	16°2914	12	7°9065	4°4922													
4011	15	5°5567	16°4359	31	8°1948	4°5374													
4012	25	5°8468	16°4782	27§	12°4225	4°4196	66	798	9.5										
4013	29§	10°0719	16°3254																
4014	8	10°0927	16°3253																
4015	20	11°0283	16°5220	15	13°3789	4°6252													
4016	8	13°0286	16°9211																
4017	72§	14°6488	16°5722	60§	16°9955	4°7080	66	800	7.5										
4018	47§	14°7916	16°1065	50§	17°1445	4°2441	66	801	8.8										
4019	18§	15°3342	16°2493	19	17°6844	4°3890													
4020	25§	15°3896	16°8964	21	17°7349	5°0415													
4021	10	10°3657	17°6284	10	12°7050	5°7252													
4022	31§	11°2788	17°5970	25§	13°6174	5°7028	66	799	9.4										
4023	25§	15°4112	17°7534	23§	17°7519	5°8942													
4024	28§	15°7763	17°5060	28§	18°1190	5°6527													
4025	10	17°5007	17°1857	7†	19°8434	5°3502													
4026	10	20°0395	17°4763																
4027	20	20°3940	17°7095	13	22°7323	5°8972													
4028	55§	23°0838	17°4286	68§	25°4252	5°6398	66	805	8.5										
4029	25	23°2430	17°8097	13*	25°5797	6°0240	66	806	9.4										
4030	20	17°5241	18°8949	23	19°8537	7°0575													
4031	23§	19°9788	18°0379	16	22°3131	6°2245													
4032	19	21°6692	18°1062																
4033	14	22°5529	18°5547	7†	24°8843	6°7617													
4034	24	6°7745	19°0023	17	9°1035	7°0675													
4035	25§	9°6792	19°6563	19	11°9988	7°7491													
4036	7	18°4775	19°4118	6†	20°7947	7°5827													
4037	12	5°4190	20°3186	12	7°7348	8°3739													
4038	20	8°1244	20°3127	17	10°4404	8°3908													
4039	23§	12°7408	20°5404	24	15°0553	8°6571													
4040	7	14°42864																	

No. 3954. This is noted in the *A.G.C. (Christiana)* as a *Red* star. It appears on both plates as a well-defined nucleus with a penumbra which does not blend with the nucleus. The diameter of the whole penumbra is given.

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

ZONE + 66°.

R.A. 13 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 13 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 13 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 13 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.									
Centre R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 2537. 1895, April 14.				Centre R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2641. 1895, May 29.				Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 865. 1893, March 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
4042	22	21.8043	20.6557	17	24.1168	8.8547	°	m.	4090	358	14.5687	18.0082	338	14.4792	5.9795	66° 812	9.5
4043	21	4.1076	21.9823	14	6.4070	10.0255			4091	29	21.5149	18.0919	31	21.4257	6.0912		
4044	9	14.2386	21.0993	8	16.5511	9.2324			4092	9	5.3351	19.0764	11	5.2403	7.0121		
4045	418	14.9996	21.5750	478	17.3042	9.7140	66 802	9.1	4093	14	7.8886	19.7463	22	7.7937	7.6924		
4046	10	15.6378	21.8638	6†	17.9392	10.0043			4094	23	12.9246	19.2411	27	12.8310	7.2060		
4047	14	19.5686	21.2688	7	21.8794	9.4483			4095	20	13.7744	19.6168	238	13.6777	7.5857		
4048	11	21.7463	21.3770	9	24.0499	9.5735			4096	368	14.3105	19.3299	438	14.2154	7.2993	66 811	9.2
4049	23	23.6075	21.6345	18	25.9137	9.8490			4097	8	16.6309	19.1804	15	16.5360	7.1599		
4050	30	2.7122	22.8932	248	5.0073	10.9246	66 792	9.5	4098	10	21.5193	19.8944	12	21.4184	7.8958		
4051	20	8.2512	22.5993	16	10.5452	10.6782			4099	16	23.3069	19.1095	12	23.2120	7.1188		
4052	11	9.5341	22.9127	6	11.8240	11.0030			4100	21	2.6457	20.6207	26	2.5460	8.5497		
4053	368	10.0139	22.1483	408	12.3130	10.2438	66 797	9.4	4101	428	16.9277	20.9762	428	16.8268	8.9563	66 813	9.2
4054	308	21.5110	22.2225	26	23.8082	10.4186	66 804	9.5	4102	26	18.1651	20.4309	25	18.0656	8.4185		
4055	23	4.4009	23.7919	24	6.6872	11.8358			4103	5	19.7957	20.4245	9	19.6932	8.4162		
4056				9	7.6638	11.7830			4104	24	20.0943	20.4608	18	19.9917	8.4549		
4057	18	16.4851	23.9088	21	18.7685	12.0602			4105	11	23.0305	20.0884	13	22.9307	8.0930		
4058	23	18.4032	23.3666	22	20.6917	11.5350			4106	23	2.3287	21.7137	30	2.2250	9.6405		
4059	13	19.8398	23.0434	8	22.1350	11.2243			4107	10	11.5634	21.2616	9	11.4607	9.2216		
4060	20	23.2079	23.6225	14	25.4938	11.8368			4108	23	13.0724	21.5143	24	12.9683	9.4810	66 809	9.5
4061	24	23.2567	23.8688	13	25.5367	12.0863			4109	298	19.9129	21.7905	26	19.8065	9.7827		
4062	22	5.8022	24.0724	18	8.0840	12.1286			4110	4	19.9743	21.8186	6	19.8669	9.8085		
4063	18	6.7700	24.8966	12	9.0433	12.9650			4111	748	3.9014	22.3359	648	3.7940	10.2670	66 807	7.8
4064	14	11.2121	24.1903	9	13.4946	12.2952			4112	20	5.1082	22.9602	22	4.9975	10.8952		
4065	368	14.7488	24.4558	318	17.0278	12.5917	67 779	9.5	4113	18	8.2684	22.2507	18	8.1634	10.1970		
4066	10	15.4315	24.7998	9†	17.7091	12.9403			4114	14	9.9823	22.8093	15	9.8737	10.7645		
4067	24	22.1689	24.0325	25	24.4508	12.2355			4115	17	10.5646	22.2041	17	10.4583	10.1614		
4068				8	20.1617	13.6518			4116	11	10.7273	22.8413	10	10.6179	10.7988		
4069	378	19.0877	25.0030	308	21.3597	13.1804	67 781	9.4	4117	22	20.2184	22.1845	24	20.1110	10.1786		
	638	1.8594	16.5817				66 790	8.3	4060	10	2.0778	23.7319	24	1.9601	11.6536		
	528	1.6157	20.4677				66 789	8.8	4061	10	2.1440	23.9688	17	2.0268	11.8957		
	588	25.1331	22.3675				66 807	7.8	4118	13	4.3518	23.0770	13	4.2422	11.0104		
	358	8.6394	26.5697				67 776	9.3	4119	11	5.1084	23.7491	8	4.9921	11.6838		
R.A. 13 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 13 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>								R.A. 13 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 13 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>									
Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 865. 1893, March 17.				Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 962. 1893, April 3.				Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 865. 1893, March 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
4070	6	7.6213	14.1877				°	m.	4120	348	16.8440	23.3437	348	16.7300	11.3250	67 787	9.5
4071	28	16.4913	14.5683	34	16.4159	2.5477			4121	13	17.3687	23.7106	148	17.2547	11.6939		
4072	26	20.0846	14.7437	20	20.0060	2.7369			4122	16	19.3275	23.4805	178	19.2148	11.4714		
4073	12	24.0244	14.7433						4123				10	21.9135	11.8698		
4074	26	3.8161	15.7564	258	3.7343	3.6875			4124	24	4.1758	24.6062	27	4.0608	12.5375		
4075	24	9.5299	15.9413	29	9.4489	3.8929	66 808	9.5	4125	15	9.6484	24.1309	15	9.5348	12.0834		
4076	20	17.8755	15.1275	21	17.7989	3.1112			4126	19	15.2546	24.0207	20	15.1388	11.9947		
4077	648	19.4300	15.8514	678	19.3507	3.8413	66 814	8.8	4127	16	16.9863	24.8494	15	16.8685	12.8308		
4078	27	7.8220	16.2779	298	7.7358	4.2218			4128	10	17.3067	24.0898	8	17.1917	12.0720		
4079	18	9.0068	16.5081	24	8.9231	4.4574			4129	12	18.5343	24.3091	14	18.4160	12.2971		
4080	20	9.7531	16.2303	24	9.6686	4.1842			4130	10†	19.9444	24.8971	9	19.8232	12.8898		
4081	26	11.6036	16.9894	24	11.5168	4.9499			4131				13	21.5900	12.2747		
4082	298	13.7147	16.8098	328	13.6282	4.7791			4132	17	24.5436	24.8357	22	24.4224	12.8483	67 795	9.5
4083	22	16.3813	16.6076	21	16.2980	4.5869			4133	7	15.5651	25.2739	4	15.4441	13.2481		
4084	29	24.0849	16.2214	34	24.0000	4.2309			4134	23	16.0193	25.1045	23	15.8998	13.0835		
4085	21	24.3126	16.5717	16	24.2274	4.5831			4135	308	16.2911	25.2834	218	16.1712	13.2636		
4086	26	25.9581	16.8421	29	25.8710	4.8585			4136	37	21.4516	25.7769	298	21.3266	13.7754		
4087	10	14.0881	17.9938						4137				11	25.4231	13.0928		
4088	23	18.2553	17.2748	30	18.1692	5.2609			4138	818	25.8607	25.7154	678	25.7367	13.7309	67 797	8.6
4089	24	2.7543	18.4073	20	2.6620	6.3337							808	25.9468	0.8786	66 817	8.8
										738	1.5037	17.5594	718	1.4136	5.4796	66 805	8.5

Plates 2537, 2641. Nos. 4049, 4060, 4061 are measured also on Plates 962, 865.

Plates 962, 865. Nos. 4086, 4137, 4138 are measured also on Plates 2557, 2033.

1 réseau interval represents very nearly  $5' = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 13 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 13 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup>								R.A. 13 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 13 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.								
Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +66°				R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. +67°				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +66°				R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. +67°				
Plate 2557. 1895, April 23.				Plate 2033. 1894, May 12.				Plate 2557. 1895, April 23.				Plate 2033. 1894, May 12.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No. Mag.								No. Mag.	
4139	7	6.6172	14.5516					4197	7	15.9091	22.6631	7	13.4531	10.6105		
4140	19§	16.4012	14.3238	22	13.8981	2.2702		4198	13	16.6462	22.4538	9	14.1870	10.3975		
4141	8	17.9706	13.9895					4199	11	17.5816	22.0341	13	15.1240	9.9710		
4142	11	21.2871	14.2907					4200	6	22.1885	22.1068	6	19.7284	10.0243		
4143	7	11.5226	15.5909					4201	9	6.4424	23.4991	8	3.9939	11.5021		
4144	9	17.8656	15.3258	3	15.3692	3.2652		4202	10	6.7409	23.5654	7†	4.2924	11.5742		
4145	13	18.5482	15.5416	16	16.0549	3.4740		4203	9	7.3700	23.3221	9	4.9185	11.3197		
4146	13	22.3539	15.3798	9*	19.8589	3.2944		4204	12	9.2142	23.3350	9	6.7601	11.3201		
4147	13	22.4199	15.3263	7*	19.9337	3.2371		4205	23	13.7736	23.0703	19	11.3206	11.0338		
4148	23	24.7244	15.2106	20	22.2287	3.1076		4206	5	15.0453	23.3805	3*	12.5949	11.3348		
4086	20	4.0528	16.7471	19	1.5663	4.7656		4207	24	16.3628	23.2520	19	13.9097	11.1968		
4149	9	4.1618	16.1950					4208	19	16.6989	23.8153	12	14.2488	11.7608		
4150	14	5.8864	16.2914	18	3.3960	4.2961		4209	6	20.6811	23.4595	4	18.2270	11.3802		
4151	4	6.9245	16.6813					4210	42§	9.7688	24.1460	40§	7.3219	12.1315	67	802
4152	9	11.7610	16.7164	6	9.2722	4.6869		4211	5	11.1603	24.4693	3†	8.7151	12.4474		
4153	9	14.4099	16.5232	9	11.9171	4.4797		4212	4	12.7806	24.1656	4	10.3335	12.1355		
4154	9	15.3035	16.2059	9†	12.8105	4.1584		4213	5	16.8104	24.6139	6	14.3666	12.5593		
4155	37§	15.8779	16.4209	40§	13.3864	4.3691	66 822	4214	19	19.0458	24.2892	14	16.6003	12.2224		
4156	6	17.1857	16.9852					4215	25	19.2816	24.8432	22	16.8397	12.7730	67	810
4157	9†	5.5737	17.6758					4137	8	4.2352	24.9898	9	1.7891	13.0071		
4158	14	5.8945	17.2650	13	3.4103	5.2732		4138	60§	4.5894	25.6077	54§	2.1522	13.6220	67	797
4159	6	6.4055	17.2243					4216	12	6.4006	25.4818	19	3.9615	13.4858		
4160	9	7.1735	17.1543					4217	38§	13.1095	25.5408	34§	10.6705	13.5038	67	803
4161	37§	7.6397	17.6321	40§	5.1560	5.6276	66 818	4218	26§	14.6817	25.2632	24§	12.2404	13.2164		
4162	6	11.9342	17.9073					4219	37§	17.4970	25.2392	30§	15.0547	13.1778	67	808
4163	9	13.5810	17.5545	9	11.0983	5.5153									66 817	8.8
4164	9	13.7127	17.1506	12	11.2269	5.1112									66 828	8.4
4165	9	14.6096	17.2864	9	12.1224	5.2430										
4166	9	18.2393	17.8194	7	15.7563	5.7510										
4167	9	20.7417	17.4601	9	18.2573	5.3815										
4168	7	9.0437	18.8715													
4169	7	9.3599	18.0040													
4170	6	10.4468	18.2830	4	7.9671	6.2664										
4171	8	15.8329	18.5062	6	13.3529	6.4545										
4172	11	19.9012	18.3131	9	17.4225	6.2383										
4173	6	25.0884	18.2610													
4174	10	5.9681	19.3242													
4175	28§	12.5903	19.8851	31§	10.1205	7.8541	66 820	4220	11	6.2150	14.5463					
4176	12	13.5332	19.4295	13	11.0612	7.3921		4221	12	5.8126	15.5349					
4177	50§	13.6394	19.6155	58§	11.1663	7.5783	66 821	4222	7	5.1228	17.1233					
4178	21	22.8673	19.2841	22	20.3926	7.1945		4223	14	5.2614	18.8349	13†	24.4445	6.8927		
4179	20	6.1537	20.4947	22	3.6866	8.4979		4224	54§	4.2090	20.7291	46§	23.2740	8.7100	66 828	8.4
4180	20§	14.7897	20.0153	20	12.3204	7.9708		4225	17	5.4640	20.1870	15	24.5602	8.2553		
4181	19§	16.2003	20.2198	20	13.7316	8.1666		4226	22	6.5725	21.7244	22	25.5645	9.8620		
4182	9	16.7099	20.8505	7	14.2424	8.7943		4227	22	5.6936	22.8719	22	24.6130	10.9494		
4183	9	17.6645	20.5735	7	15.1970	8.5113		4228	23	4.6234	23.0557	25	23.5322	11.0604		
4184	10	18.1091	20.9855	7	15.6432	8.9207		4229	9	6.0453	23.8673					
4185	14	20.7011	20.9084	8	18.2351	8.8292		4230	26	5.3314	25.3947	20	24.0799	13.4454		
4186	19	21.4221	20.8551	18	18.9557	8.7740		4231	22	6.5917	25.4131	19	25.3376	13.5417		
4187	28	23.4851	20.2487	28	21.0162	8.1550										
4188	10	25.4540	20.3989	8	22.9894	8.2942										
4189	19	7.5628	21.4751	17	5.1019	9.4722										
4190	14	9.0594	21.7759	9	6.5974	9.7656										
4191	7	12.2138	21.1935	4†	9.7482	9.1636										
4192	44§	19.4898	21.2511	43§	17.0270	9.1778	66 824									
4193	10	20.2206	21.6554	7	17.7607	9.5804		4232	7	9.9081	14.4977					
4194	54§	23.6042	21.1076	56§	21.1390	9.0121	66 827	4233	40§	10.3246	14.9103	46§	5.3787	3.0009	66 830	9.0
4195	7	11.5195	22.4324	6*	9.0647	10.4049		4234	10	14.5733	14.2880	7†	9.6193	2.3056		
4196	7	14.4064	22.2417	6†	11.9465	10.1963		4235	44§	15.0511	14.2716	46§	10.0953	2.2784	66 834	7.8
								4236	33§	15.9771	14.6622	27§	11.0291	2.6560	66 835	9.4
								4237	26§	22.0981	14.4919	27	17.1463	2.3839	66 838	9.4

1 reseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 14 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 14 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 14 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 14 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup>											
Centre R.A. 14 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°							
Plate 2593. 1895, May 4.				Plate 2034. 1894, May 12.				Plate 2559. 1895, April 23.				Plate 2034. 1894, May 12.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.				
4238	21	23°0401	14°1085	21	18°0826	1°9847	66° 840	9.5	4295	16	3°7226	14°7727	17	20°6819	2°6733	°	m.		
4239	8	16°5512	15°8216	9	11°6218	3°8051			4296	6	4°9043	14°8003							
4240	7	23°0179	15°9579	8	18°0889	3°8339			4297	8	5°5452	14°0328							
4241	19	10°6270	16°2556	15	5°7062	4°3407			4298	6	7°3941	14°8321							
4242	19	12°3533	16°7734	22	7°4407	4°8304	66 833	9.4	4299	24§	8°5710	14°0616	43	25°5622	2°2269				
4243	14	14°9426	16°5192	12	10°0271	4°5312			4300	19§	4°3073	16°5300	24	21°1688	4°4601				
4244	8	15°2820	16°5439	9	10°3663	4°5501			4301	6	7°0393	18°7118							
4245	14	16°0977	16°7138	13	11°1847	4°7056			4302	7	8°0827	18°1268							
4246	9	21°6159	16°9012						4303	18§	7°2387	19°7872	22	23°9217	7°8704				
4247	14	22°0794	16°5046	13	17°1593	4°3970			4304	13	3°9056	20°7250	10	20°5415	8°6305				
4248	9	8°1580	17°6313						4305	11	6°0461	21°4932	10	22°6366	9°5106				
4249	23§	12°6554	17°3307	21	7°7515	5°3814			4306	22	6°1276	21°5081	22	22°7182	9°5302				
4250	7	17°7163	17°5528	4	12°8159	5°5147			4307	39§	3°5950	22°9701	41§	20°1101	10°8497	66 841	8.7		
4251	11	21°3763	17°3821	11	16°4724	5°2855			4308	18	5°3900	22°5185	12	21°9235	10°4980				
4252	14	21°5502	17°1111	13	16°6403	5°0117			4309	32§	7°6336	25°4557	31§	24°0065	13°5521	67 834	9.2		
4253	13	23°4992	17°9309	12	18°6043	5°7989			R.A. 14 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 14 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup>										
4254	29§	11°3940	18°4056	29§	6°5089	6°4756			Centre R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°			R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			Plate 2559. 1895, April 23.				
4255	9	17°8860	18°3695						Plate 2569. 1895, April 23.			Plate 2569. 1895, April 24.			Plate 2569. 1895, April 24.				
4256	22	19°5567	18°8705	22§	14°6775	6°8059			4310	22	9°5376	14°3235	20	2°2161	2°5226	°	m.		
4257	26§	10°9494	19°6200	26§	6°0860	7°6983			4311	7	11°2343	14°7151							
4258	15	13°6352	19°9774	12	8°7750	8°0117			4312	34§	17°7017	14°5945	36§	10°3828	2°5847	66 850	9.4		
4259	7	24°7297	19°5825	7	19°8585	7°4310			4313	7	20°2537	14°1570							
4260	10	10°6780	20°4594	7	5°8259	8°5411			4314	40§	22°2656	14°7609	29§	14°9493	2°6342	66 853	9.2		
4261	12	10°7378	20°8601	12	5°8931	8°9405			4315	11	14°7224	15°3243	11	7°4246	3°3895				
4262	18	12°7588	20°3871	19	7°9075	8°4323			4316	8	19°6755	15°7602	9	12°3849	3°6999				
4263	16	14°6454	20°9516	14	9°8051	8°9661			4317	14	20°1445	15°9464	13	12°8583	3°8738				
4264	10	16°9859	20°4133	9	12°1338	8°3891			4318	11	9°8026	16°4724	14	2°5372	4°6613				
4265	24	21°1303	20°2681	20	16°2729	8°1734			4319	11	13°0948	16°0494	17	5°8160	4°1509				
4266	23	11°8474	21°9282	21§	7°0216	9°9919			4320	4	16°3652	16°5640	5*	9°0970	4°5873				
4267	18	11°8562	21°9222	14	7°0311	9°9857			4321	11	17°9838	16°2185	14	10°7042	4°2000				
4268	16	11°9187	21°9592	15	7°0942	10°0219			4322	7	18°4553	16°7438	7†	11°1902	4°7130				
4269	10	12°1229	21°9814	7	7°2977	10°0404			4323	9	19°0441	16°4154	7	11°7711	4°3687				
4270	20	15°9394	21°8760	18	11°1130	9°8700			4324	4†	20°2878	16°4655	4*	13°0156	4°3856				
4271	6	19°7258	21°5894	7	14°8903	9°5194	66 837	9.5	4325	15	22°9916	16°4102	18	15°7180	4°2671				
4272	25	21°7988	21°3794	17	16°9612	9°2736			4326	14	23°3552	16°0869	10	16°0710	3°9305				
4273	8	9°4151	22°2892	9	4°5935	10°3940			4327	16	24°9494	16°1908	19	17°6681	3°9954				
4274	6†	9°5107	22°3067	5	4°6872	10°4111			4328	36§	13°1588	17°8764	35§	5°9245	5°9792	66 846	9.1		
4275	22§	11°7660	22°2479	22§	6°9449	10°3121	66 831	9.5	4329	26§	13°8649	17°2131	23§	6°6136	5°2995	66 848	9.4		
4276	16	16°2614	22°0557	14	11°4370	10°0441			4330	9	16°0001	17°1388	10	8°7477	5°1709				
4277	16	18°2113	22°3115	14	13°3883	10°2675			4331	14	17°5980	17°4001	14	10°3497	5°3901				
4278	40§	19°2723	22°5709	33§	14°4548	10°5074	66 836	9.3	4332	17	18°8806	17°5528	19	11°6360	5°5089				
4279	10	19°4128	22°0696	10	14°5865	10°0044			4333	32§	19°1626	17°3893	33§	11°9143	5°3389	66 852	9.0		
4280	38§	9°8730	23°7440	32§	5°0773	11°8426	67 822	8.5	4334	18§	19°8254	17°8801	20§	12°5881	5°8122				
4281	9	10°5735	23°1730	10	5°7681	11°2574			4335	7	20°5453	17°2249	7†	13°2909	5°1405				
4282	5	10°6539	23°9713	8	5°8609	12°0525			4336	14	21°3613	17°8260	9	14°1232	5°7190				
4283	11	12°5989	23°3843	10	7°7970	11°4319			4337	11	21°5649	17°6339	11	14°3219	5°5221				
4284	10	14°4127	23°2963	7	9°6121	11°3153			4338	12	23°5568	17°1206	10	16°2968	4°9609				
4285	34§	20°0345	23°5647	31§	15°2342	11°4910	67 829	9.4	4339	10	17°9728	18°4373	11	10°7515	6°4152				
4286	8	22°1673	23°4959	12	17°3655	11°3882			4340	16	24°3231	18°9579	12	17°1110	6°7780				
4287				10	19°6631	11°4384			4341	61§	24°5587	18°9924	48§	17°3470	6°8061	66 856	7.3		
4288	48§	10°2616	24°8752	42§	5°4829	12°9660	67 823	8.5	4342	13	11°1823	19°5927	13	3°9963	7°7436				
4289	7†	12°2676	24°9959	8	7°4928	13°0499			4343	11	11°3124	19°3957	15	4°1177	7°5447				
4290	12	15°3644	24°1596	9	10°5761	12°1632			4344	19	11°9386	19°7594	21	4°7534	7°8945				
4291	34§	16°6777	24°6019	29§	11°8946	12°5826	67 826	9.2	4345	56§	13°3375	19°1581	58§	6°1362	7°2541	66 847	6.8		
4292	21	20°1132	24°3258	16	15°3249	12°2508			4346	11	15°8642	19°7058	11	8°6765	7°7402				
4293	11	11°3770	25°1794	10	6°6064	13°2498			4347	6	9°3484	20°8022	9	2°1927	9°0043				
4294	12	15°9298	25°1843	11	11°1589	13°1789													



## ZONE + 66°.

R.A. 14 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 14 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 14 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 14 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 2559. 1895, April 23.				R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2569. 1895, April 24.				Centre R.A. 14 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2560. 1895, April 23.				R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2569. 1895, April 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

## ZONE + 66°.

R.A. 14 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 14 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.									R.A. 14 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 15 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> —contd.															
Centre R.A. 14 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°			R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°						Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°												
Plate 2560. 1895, April 23.			Plate 2570. 1895, April 24.						Plate 2654. 1895, June 5.			Plate 2570. 1895, April 24.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.								
								No.																
								No.																
4450	7	17°3462	22°6165	8	7°9100	10°6737	°	m.	4497	7	12°5169	18°4417				°	m.							
4451	10	17°9874	22°1669	12	8°5376	10°2053			4498	8	13°0362	18°8866												
4452	4	18°8765	22°6930	8	9°4404	10°6971			4499	6	3°1084	19°9098	6	15°1168	7°6841									
4453	6	18°9237	22°4873	8	9°4812	10°4928			4500	188	4°3959	19°5499	18	16°4183	7°3718									
4454				8	14°0570	10°1739			4501	10	5°9776	19°8595	5	17°9876	7°7394									
4455				8	14°3381	10°1115			4502	178	5°9919	19°1329	17	18°0281	7°0163									
4456	11	12°0531	23°8233	15	2°6590	12°0539			4503	10	7°6504	19°5100	10	19°6698	7°4553									
4457				7	6°5333	11°3965			4504	148	8°2735	19°6667	218	20°2876	7°6337									
4458				7	7°9179	11°9422			4505	13	9°7334	19°6508	10	21°7497	7°6713									
4459	22	19°6758	23°0920	18	10°2517	11°0754			4506	168	10°2934	19°6602	17	22°3071	7°7034									
4460				9	13°2921	11°8741			4507	268	10°3932	19°2266	248	22°4219	7°2751									
4461	458	23°5455	23°2721	308	14°1265	11°1254	66	874	4508	218	10°4356	19°3309	238	22°4634	7°3799									
4462				9	3°4647	12°9984			4509	178	11°1060	19°8440	19	23°1128	7°9197									
4463				8	4°7164	12°4734			4510	6	4°2387	20°0616	4	16°2407	7°8771									
4464	208	17°7031	24°4983	218	8°3288	12°5434			4511	16	4°8102	20°1083	12	16°8114	7°9459									
4465	438	23°5764	24°4808	298	14°1972	12°3328	67	855	4512	168	6°8041	20°8331	13	18°7741	8°7456									
4466				7	3°5505	13°5011			4513	298	8°1846	20°3926	268	20°1724	8°3581	66	877							
4467	22	21°9741	25°7512	228	12°6377	13°6551	67	854	4514	7	9°8918	20°2324												
4468				11	13°6013	13°0521			4515	12	12°2266	20°8326	7	24°1960	8°9500									
				638	8°8586	0°7603	66	870	4516	168	13°7332	20°1729	17	25°7243	8°3499	66	883							
				518	11°7314	1°3569	66	872	4517	198	4°3400	21°8378	18	16°2785	9°6550									
				328	2°2012	3°6268	66	865	4518	198	5°7930	21°8549	198	17°7258	9°7260									
				20	2°4762	8°8665	66	866	4519	6	5°9233	21°7002												
	538	19°2581	26°1403				67	852	4520	10	6°4552	21°0517	7	18°4201	8°9531	66	879							
									4521	298	9°9251	21°2582	278	21°8804	9°2885									
									4522	148	10°6007	21°0825	12	22°5602	9°1365									
									4523	9	12°3679	21°2817												
									4524	4	13°7545	21°4821												
									4525	20	4°2640	22°3970	11	16°1804	10°2106									
									4526	9	4°2910	22°0095												
									4527	5	6°4871	22°8722	3*	18°3808	10°7678									
									4528	5	7°7985	22°5813												
									4529	13	9°3590	22°7037	11	21°2574	10°7104									
									4530	24	4°4239	23°4010	208	16°3000	11°2160									
									4531	18	4°6525	23°5636	12	16°5215	11°3934									
									4532	9	5°8150	23°5823												
									4533	4	10°0743	23°8436	3*	21°9264	11°8765									
									4534	17	11°2726	23°5972	10	23°1365	11°6753									
									4535	5	11°9038	23°0082												
									4536	5	13°0420	23°7934												
									4537	21	4°6031	24°0577	16	16°4523	11°8801									
									4538	20	5°1838	24°7131	17	17°0076	12°5605									
									4539	5	6°6429	24°7766												
									4540	11	8°7852	24°2045	7	20°6306	12°1865									
									4541	13	13°0837	24°7364	6	24°9001	12°8845									
									4542	18	13°2700	24°4090	11	25°1009	12°5638									
									4543	248	5°3148	25°8709	18	17°0988	13°7224	67	856							
									4544	17	7°4691	25°0413	18	19°2629	12°9751									
									4545	14	10°1624	25°4297	10	21°9573	13°4646									
									4546	208	10°8202	25°3939	16	22°6149	13°4525									
									4547	338	11°5448	25°7117	258	23°3282	13°7963									
									4548	10	5°4032	26°0420	10	17°1790	13°8960									
4469	12	3°9733	14°1589				°	m.																
4470	7	5°1453	14°1002																					
4471	17	6°8258	14°7079	20	19°0300	2°6252																		
4472	5	6°8819	14°2855																					
4473	138	13°6449	14°2218																					
4474	11	3°1316	15°4799	6	15°3070	3°2581																		
4475	20	3°2841	15°2390	16	15°4695	3°0209																		
4476	10	5°8542	15°0704																					
4477	11	6°2220	15°7815	5	18°3841	3°6374																		
4478	14	7°3213	15°6696	15	19°4883	3°6049																		
4479	7	9°5272	15°2694																					
4480	13	3°0946	16°0804	12	15°2480	3°8567																		
4481	8	3°5495	16°1922																					
4482	198	7°3562	16°0979	21	19°5064	4°0334																		
4483	6	8°1117	16°4855																					
4484	178	10°4881	16°0905	21	22°6350	4°1447																		
4485	218	11°0056	16°3702	38	23°1425	4°4442	66	881																
4486	5	11°5491	16°2525																					
4487	7	12°8724	16°2298																					
4488	20	4°4160	17°2911	188	16°5239	5°1152																		
4489	17	7°5426	17°6635	19	19°6329	5°6055																		
4490	988	9°1883	17°9450	898	21°2683	5°9532	66	878																
4491	16	11°8347	17°8510	24	23°9136	5°9555																		
4492	12	4°8630	18°5178	9	16°9210	6°3580																		
4493	12	5°1727	18°0469	4	17°2488	5°8959																		
4494	14	7°6881	18°7106	8	19°7400	6°6577																		
4495	208	10°9254	18°1034	22	23°0009	6°1766	66	880																
4496	258	11°5287	18°3608	30	23°5941	6°4550																		
											</													



## ZONE + 66°.

R.A. 15 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup>									R.A. 15 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.								
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°			R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		
Plate 2654. 1895, June 5.			Plate 2605. 1895, May 6.			Plate 2654. 1895, June 5.			Plate 2605. 1895, May 6.			Plate 2654. 1895, June 5.			Plate 2605. 1895, May 6.		
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.	
							No.	Mag.								No.	Mag.
4549	28§	14.2624	14.7864	28	2.1030	2.9656	66° 884	m.	4607	26§	19.1917	22.3116	27§	7.3446	10.2772	°	m.
4550	16	16.2835	14.3580	10†	4.1074	2.4528			4608	7	21.1083	22.5430					
4551	26§	16.7562	14.6986	30	4.5943	2.7713			4609	12	21.5350	22.7195	9†	9.7032	10.5832		
4552	9	17.2137	14.5407						4610	17§	15.2780	23.5415	16	3.4873	11.6658		
4553	5	19.0585	14.8260						4611	11	17.2974	23.2792	9	5.4951	11.3223		
4554	5	22.5625	14.5376						4612	6	17.4692	23.5688	3†	5.6781	11.6056		
4555	13	23.3147	14.8381	8†	11.1541	2.6381			4613	11	20.5641	23.1872	7	8.7517	11.0971		
4556	5	14.1315	15.0984						4614	18	23.3345	23.4780	15	11.5366	11.2690		
4557	11	19.1500	15.8275	8†	7.0346	3.7997			4615	27	24.2964	23.1285	31§	12.4828	10.8780		
4558	5	19.1632	15.5348						4616	4	15.6033	24.6902					
4559	60§	20.1152	15.4806	64§	7.9831	3.4117	66 889	8.3	4617	10	16.5676	24.6518	12	4.8217	12.7231		
4560	5†	23.3912	15.1337						4618	25§	16.6107	24.5509	27§	4.8591	12.6224	67 865	9.5
4561	5†	24.1140	15.4515						4619	5	21.7610	24.5024					
4562	4	24.2268	15.8240						4620	5	21.8428	24.2226					
4563	75§	15.7254	16.0200	79§	3.6179	4.1316	66 886	7.5	4621	10	22.5267	24.2721	8	10.7611	12.0955		
4564	5	17.4234	16.7995						4622	4†	24.0651	24.4964	6*	12.3047	12.2532		
4565	10	19.5016	16.7666						4623	10	21.6493	25.5860	15	9.9396	13.4456		
4566	9	19.6642	16.6992						4624	7	23.2718	25.4376	6	11.5534	13.2269		
4567	13	19.8101	16.6001	6†	7.7238	4.5446			4625	21	23.8505	25.4824	21	12.1325	13.2514		
4568	16	21.5468	16.7505	8	9.4668	4.6230											
4569	9	21.5726	16.2748							67§	26.2132	14.3705				66 894	7.0
4570	9	21.6741	16.4509							32§	23.4084	26.6168				67 869	9.4
4571	65§	22.3362	16.1003	57§	10.2265	3.9405	66 890	6.5		50§	24.3171	27.1860				67 871	9.0
4572	13	25.0124	16.3292	11	12.9099	4.0588			R.A. 15 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 15 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup>								
4573	16§	16.4145	17.6271	11	4.3729	5.7106			Centre R.A. 15 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°			R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°		
4574	97§	16.9625	17.6684	100§	4.9220	5.7274	66 887	5.8	Plate 2655. 1895, June 5.			Plate 2605. 1895, May 6.			Plate 2654. 1895, June 5.		
4575	15	20.3252	17.5787						4626	51§	4.1986	14.2652	61§	14.0284	2.0498	66° 894	7.0
4576	12	20.3950	17.4603	10	8.3463	5.3805			4627	15§	6.2585	14.1252	15	16.0933	1.9727		
4577	11	22.1528	17.0903						4628	21§	6.4897	14.9189	24	16.2995	2.7727		
4578	48§	14.9859	18.2231	55§	2.9744	6.3697	66 885	7.3	4629	15§	7.0892	14.0649	16	16.9258	1.9377		
4579	11	15.1366	18.2301						4630	4	10.2329	14.0203					
4580	12	19.5364	18.4345	13	7.5293	6.3891			4631	28§	13.8229	14.2865	31	23.6496	2.3658	66 902	8.9
4581	23§	20.6742	18.6313	29§	8.6692	6.5406			4632	6	15.0277	14.4364					
4582	10	20.8279	18.6668	10	8.8285	6.5678			4633	13	5.1926	15.6833	13	14.9790	3.4965		
4583	9	20.9564	18.4533						4634	29§	6.3680	15.8565	40§	16.1489	3.7074	66 897	9.0
4584	9	22.9659	18.4772						4635	12	6.5603	15.3942	9†	16.3557	3.2501		
4585	26§	23.0426	18.6417	29§	11.0370	6.4495	66 892	9.3	4636	13	8.9719	15.0129	9	18.7758	2.9414		
4586	9	15.5118	19.4647						4637	6	9.5702	15.0545	5*	19.3747	3.0037		
4587	9	21.3242	19.2631						4638	16	9.7665	15.6264	14†	19.5544	3.5807		
4588	12	21.4628	19.2108						4639	10	11.4538	15.4354					
4589	5	21.8715	19.9002						4640	20§	13.9504	15.0224	15	23.7550	3.1045	66 903	9.3
4590	10	22.4990	19.2924						4641	26§	13.9519	15.9320	23	23.7265	4.0119		
4591	18§	14.0719	20.0859	24	2.1397	8.2690			4642	4	3.3893	16.1700					
4592	11	18.2851	20.8879	6	6.3814	8.8916			4643	13	3.6698	16.2572					
4593	7	18.7341	20.9159	5*	6.8298	8.9002			4644	11	12.8529	16.1065	10	22.6240	4.1531		
4594	14	20.5929	20.8326	7	8.6835	8.7418			4645	6	4.1180	17.7421					
4595	9	21.2014	20.8938						4646	6	5.5976	17.8660					
4596	9	14.0787	21.6208						4647	17	5.9360	17.9567	22	15.6529	5.7934		
4597	19	14.9724	21.6958	22	3.1056	9.8399			4648	12	9.1288	17.9844	11	18.8446	5.9150		
4598	6	17.0948	21.1492						4649	15	9.4042	17.2898	15	19.1376	5.2293		
4599	8	17.1241	21.1213						4650	10	10.2422	17.4697					
4600	11	17.1475	21.0090	8	5.2488	9.0635			4651	9	10.3958	17.6558					
4601	10	19.9641	21.0906	8	8.0645	9.0223			4652	13	12.7240	17.2954	8	22.4620	5.3368		
4602	6	20.2146	21.3883						4653	15	13.4394	17.5940	7	23.1654	5.6588		
4603	5	16.0090	22.5687	4*	4.1735	10.6673			4654	5	14.1595	17.9485					
4604	19§	16.8902	22.1469	20	5.0378	10.2088											
4605	8	17.3137	22.7448	6*	5.4904	10.7877											
4606	9	18.3103	22.9475	6*	6.4890	10.9491											

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.

Z O N E + 66°.

[illegible]

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



ZONE + 66°.

R.A. 15 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 15 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> —contd.								R.A. 15 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 15 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.									
Centre R.A. 15 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2655. 1895, June 5.				Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 397. 1893, May 28.				Centre R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 2606. 1895, May 6.				Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 397. 1893, May 28.					
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		
							No. Mag.								No. Mag.		
4760	8	16.3339	22.7869	7†	2.1551	11.1857	°	m.	4810	9	18.2621	18.6804	19	25.4764	7.1248	°	m.
4761	21§	19.1930	22.8587	20	5.0021	11.1159			4811	20	9.0134	19.0205	20§	16.2253	7.2718		
4762	10	19.4576	22.2771	9	5.2373	10.5222			4812	10	10.0144	19.3709	18	17.2195	7.6427		
4763	10	22.0415	22.5394	9	7.8335	10.6549			4813	6	12.9539	19.9410	19	20.1462	8.2720		
4764	28§	16.5000	23.3967	31§	2.3435	11.7867			4814	6	9.8142	20.3825	10	17.0001	8.6501		
4765	16	20.4874	23.1444	14	6.3146	11.3377			4815	28	10.2231	20.3953	35§	17.4088	8.6705		
4766	21§	23.4953	23.2686	20	9.3239	11.3117			4816				9	17.7064	8.2603		
4767	5*	17.0271	24.9527	6	2.9466	13.3100			4817	9	12.3033	20.2263	17	19.4896	8.5456		
4768	8	17.1258	24.0423	13	3.0007	12.4013			4818				11	21.8830	8.7491		
4769	6	17.7204	24.9270	7†	3.6360	13.2547			4819				8	22.0546	8.9301		
4770	14	19.3658	24.1310	11	5.2399	12.3802			4820				8	22.0765	8.7831		
4771	45§	19.9135	24.9168	66§	5.8332	13.1332	67 887	8.7	4821	26	18.3398	20.5223	26	25.5168	8.9643		
4772	8	20.6356	24.3161	6	6.5169	12.4994			4822				9	11.5926	9.3051		
4773	23§	16.0480	25.3349	39§	1.9924	13.7421	67 884	9.5	4823				7	12.3285	9.8956		
4774	14	23.3124	25.5375	13	9.2543	13.5872			4824	26	6.2840	21.2751	31§	13.4532	9.4703		
4775	45§	23.5736	25.9561	43§	9.5343	13.9918	67 894	9.2	4825	10	7.8457	21.4203	19	15.0100	9.6488		
	71§	23.9205	26.1285				67 895	8.8	4826	7	8.4174	21.4782	25§	15.5778	9.7159		
	54§	26.0347	26.2395				67 897	8.7	4827	33§	10.9254	21.2953	36§	18.0937	9.5830	66 913	9.4
									4828	9	14.7187	21.6263	19	21.8761	9.9935		
									4829				8	21.8951	10.2442		
									4830	26	15.4812	21.4915	25	22.6432	9.8760		
									4831	25	16.2918	21.2556	35§	23.4554	9.6596		
									4832				15	23.9026	9.7409		
									4833				9	24.0838	9.8347		
									4834	36§	3.8949	22.4397	40§	11.0408	10.5835	66 911	9.5
									4835	15	5.2113	22.4910	19	12.3561	10.6656		
									4836	10	8.9046	22.0356	20	16.0553	10.2806		
									4837	13	9.2613	22.5523	22	16.4004	10.8094		
									4838				11	20.2340	10.6203		
									4839	13	16.2371	22.0238	21	23.3854	10.4237		
									4840	29	18.6702	22.1863	33§	25.8150	10.6332		
									4841	21	4.3659	23.3608	29§	11.4959	11.5157		
									4842	5	4.3955	23.6100	19	11.5121	11.7627		
									4843				15	14.6012	11.6741		
									4844	11	7.5452	23.2224	22§	14.6714	11.4461		
									4845				15	17.1117	11.2120		
									4846				6	17.8344	11.9888		
									4847				12	17.8492	11.8514		
									4848				16	18.6592	11.6602		
									4849	16	12.8774	23.1039	25	20.0056	11.4331		
									4850	5	16.3638	23.4178	19	23.4833	11.8161		
									4851				11	11.3026	12.8033		
									4852				11	12.3727	12.3043		
									4853	9	12.4245	24.1585	21	19.5273	12.4802		
									4854	64§	13.1133	24.7446	68§	20.2063	13.0793	67 905	9.0
									4855				15	11.0661	13.3375		
									4856	18	11.3260	25.6202	29	18.4015	13.9152		
									4857	56§	11.4831	25.6083	58§	18.5592	13.9058	67 904	8.9
									4858	40	14.3038	25.0384	42§	21.3927	13.3962	67 907	9.5
									4859	37	14.7205	24.9905	40§	21.8066	13.3591	67 908	9.4
									4860				9	23.0361	13.5520		
									4861				13	23.5495	13.7197		
									4862				13	25.7625	13.7379		
													54§	26.2731	10.8359	66 917	8.8
										37§	2.4591	25.8790				67 894	9.2
										43	4.9333	25.9835				67 897	8.7
										60§	2.8143	26.0232				67 895	8.8
										75§	6.9862	26.0476				67 901	7.9

1 réseau interval represents very nearly  $5' = 49^{\text{s}}.2$  of R.A. at Dec. +  $66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec. +  $67^{\circ}$ .

## ZONE + 66°.

R.A. 15 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>								R.A. 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.										
Centre R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +66°				R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. +67°				Centre R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. +66°				R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. +67°						
Plate 2606. 1895, May 6.				Plate 2658. 1895, June 5.				Plate 2659. 1895, June 5.				Plate 2658. 1895, June 5.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.			
R.A. 15 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>								R.A. 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.										
Centre R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +66°								Centre R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. +66°										
Plate 2606. 1895, May 6.								Plate 2659. 1895, June 5.										
Plate 2658. 1895, June 5.								Plate 2658. 1895, June 5.										
4863	4†	24°08'35	15°09'44	16	7°03'61	3°05'84	°	m.	4912	19	15°88'85	17°36'73	20	20°73'47	5°43'14	°	m.	
4864				13	6°67'65	4°40'79			4913	9	4°46'68	18°62'94	10	9°29'23	6°51'93			
4865	25	21°16'12	17°92'69	25§	4°28'11	6°05'53			4914	22§	7°03'19	18°54'52	19§	11°86'03	6°46'89			
4866				10	4°96'77	5°53'19			4915	15	10°37'52	18°35'72	13	15°20'44	6°33'53			
4867	8	20°42'15	18°35'07	11	3°57'12	6°52'37			4916	12	13°80'00	18°05'21	12	18°63'52	6°08'27			
4868	5	21°54'36	19°19'59	10	4°73'50	7°30'04			4917	15	16°79'74	18°68'74	16	21°62'00	6°76'42			
4869				12	3°10'24	8°23'03			4918	17	17°16'69	18°69'39	16	21°99'04	6°77'62			
4870				12	6°98'52	8°99'89			4919	56§	18°96'76	18°06'23	45§	23°80'18	6°17'02	66	927	8°0
4871	15	21°12'52	21°46'14	19	4°45'33	9°59'00			4920	9	19°76'00	18°32'98	6	24°58'63	6°45'46			
4872	6	24°40'06	21°79'01	17	7°73'59	9°72'21			4921	4	7°01'84	19°79'61	6	11°82'53	7°72'42			
4873	46§	19°13'14	22°37'53	38§	2°51'54	10°61'71	66	917	4922	10	7°58'15	19°99'94	10	12°38'65	7°93'46			
4874				7	5°54'49	10°00'80			4923	11	11°90'19	19°55'54	10	16°71'44	7°55'56			
4875				14	7°27'02	10°88'49			4924	3	16°85'47	19°90'77	4	21°66'11	7°98'65			
4876				9	4°74'40	11°89'00			4925	29§	19°91'78	19°16'96	32§	24°73'53	7°29'65	66	929	9'4
4877	7	22°27'65	23°83'98	18	5°74'02	11°89'44			4926	9	19°93'24	19°18'30	7†	24°74'70	7°31'10			
4878	8	22°82'59	24°37'03	20§	6°31'64	12°39'05			4927	9	20°89'99	19°25'71						
									4928	4	7°18'99	20°97'85	5	11°97'89	8°90'82			
	46§	25°13'20	16°15'09	51§	1°41'83	4°19'70	66	916	4929	18	7°34'48	20°09'54	15	12°14'71	8°02'74			
	74§	25°70'34	16°20'05				66	919	4930	9	8°24'04	20°68'56	9	13°03'51	8°63'07			
							66	920	4931	18	16°36'90	20°16'62	16	21°17'06	8°23'83			
R.A. 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>								R.A. 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.										
Centre R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. +66°				R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. +67°				Centre R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. +66°				R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. +67°						
Plate 2659. 1895, June 5.				Plate 2658. 1895, June 5.				Plate 2659. 1895, June 5.				Plate 2658. 1895, June 5.						
4879	17	4°51'47	14°45'52	18	9°40'61	2°34'13	°	m.	4932	15	17°61'18	20°79'85	11	22°40'57	8°89'03			
4880	22	6°89'86	14°30'01	22	11°78'94	2°22'57			4933	9	3°86'47	21°04'77	10	8°65'44	8°92'69			
4881	9	8°52'99	14°98'32	7	13°41'33	2°93'31			4934	23	8°12'24	21°67'49	19	12°90'14	9°61'59			
4882	9	10°13'86	14°14'23	10	15°03'21	2°11'85			4935	8	9°53'00	21°10'89	9	14°31'61	9°07'14			
4883	4	12°20'05	14°09'58	4	17°09'58	2°10'13			4936	9	12°07'62	21°83'06	9	16°85'22	9°83'32			
4884	27§	15°67'65	14°47'54	27§	20°56'49	2°53'24			4937	12	13°83'91	21°13'47	10	18°62'49	9°16'53			
4885	5	16°12'96	14°16'60						4938	4	15°81'19	21°11'53	5	20°59'89	9°17'60			
4886	11	16°16'33	14°12'93	20	21°05'98	2°19'71	66	926	4939	21	16°52'99	21°82'56	21	21°30'65	9°90'13			
4887	20§	19°24'62	14°35'64	21	24°13'63	2°47'48			4940	15	17°56'47	21°65'54	11	22°34'24	9°74'30			
4888	9	20°49'62	14°49'51						4941	6†	19°32'74	21°27'63						
4889	13	8°45'77	15°17'64	11	13°33'58	3°12'61			4942	8	20°63'91	21°22'82						
4890	18§	15°29'45	15°30'44	14	20°16'81	3°35'95			4943	16	20°79'92	21°07'76	8	25°58'46	9°21'82			
4891	28§	19°82'92	15°45'96	35§	24°70'42	3°58'46	66	928	4944	12	7°84'08	22°74'78	13	12°60'54	10°68'85			
4892	10	19°94'61	15°17'01						4945	27§	8°40'12	22°86'29	22§	13°16'17	10°80'92			
4893	5	20°60'50	15°89'86						4946	58§	9°11'11	22°76'38	56§	13°86'85	10°72'22	66	923	8°0
4894	42§	3°27'73	16°18'53	40§	8°14'13	4°05'28	66	919	4947	23§	9°52'17	22°74'41	21§	14°28'45	10°70'91			
4895	62§	3°84'98	16°18'92	54§	8°71'49	4°06'54	66	920	4948	22§	11°74'95	22°48'58	19§	16°51'36	10°48'36			
4896	31§	5°36'81	16°26'16	29§	10°22'79	4°16'05	66	921	4949	9	11°94'86	22°43'08	5	16°71'51	10°43'43			
4897	22§	10°90'14	16°88'56	22§	15°75'23	4°87'07			4950	9	14°99'88	22°95'41	17	19°75'66	11°00'14			
4898	10	11°62'79	16°36'32	10	16°48'88	4°36'04			4951	7	16°95'03	22°32'12						
4899	9	11°98'01	16°57'43	9	16°83'65	4°57'73			4952	9	17°25'15	22°61'90	7	22°01'52	10°70'18			
4900	31§	12°61'96	16°60'19	28§	17°47'60	4°61'46	66	924	4953	9	17°55'95	22°24'30	16	22°32'63	10°33'28			
4901	15	13°15'01	16°59'18	11	18°00'84	4°61'08			4954	8	17°90'44	22°69'57	9	22°66'59	10°78'90			
4902	15	15°16'97	16°02'54	15	20°03'74	4°07'74			4955	6†	4°27'70	23°05'03	5	9°03'43	10°93'37			
4903	21§	16°38'73	16°10'53	19	21°25'09	4°17'84			4956				5	11°60'86	11°87'19			
4904	13	18°32'04	16°27'82	7†	23°18'11	4°37'99			4957	29§	7°19'30	23°11'90	24§	11°94'75	11°04'63	66	922	9'5
4905	16	20°59'63	16°57'21						4958	12	7°21'64	23°50'16	11	11°96'68	11°42'71			
4906	9	3°19'61	17°60'51	5	8°03'46	5°47'33			4959	4	8°94'05	23°52'92	3†	13°68'95	11°48'45			
4907	5	4°68'71	17°99'05	6	9°52'12	5°88'09			4960	28§	16°12'26	23°49'25	27§	20°87'41	11°55'53			
4908	15	4°97'21	17°10'41	15	9°81'82	4°99'66			4961	13	17°98'50	23°20'83	15	22°73'67	11°30'50			
4909	6	5°23'33	17°75'43	8	10°07'37	5°65'30			4962	9	20°83'33	23°59'52	7	25°58'15	11°73'59			
4910	21	7°51'65	17°33'11	19	12°36'20	5°26'56			4963	7†	4°68'56	24°69'22	11	9°41'67	12°57'83			
4911	11	9°85'78	17°69'58	14	14°69'57	5°66'51			4964	9	9°21'77	24°70'25	11	13°94'71	12°66'42			
									4965	9	9°94'44	24°28'64	5	14°68'24	12°25'86			
									4966				5	14°82'58	12°77'90			
									4967	40§	14°41'72	24°24'62	38§	19°15'46	12°28'48	66	925	9°0
									4968	16	17°85'43	24°04'40	14	22°59'63	12°13'99			
									4969	9	19°25'40	24°08'04						
									4970	4†	4°22'01	25°57'14	8	8°93'67	13°45'06			

1 réseau interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.



## ZONE + 66°.

R.A. 15 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 15 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>								R.A. 16 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 16 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 15 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 2659. 1895, June 5.				Plate 2658. 1895, June 5.				Plate 2651. 1895, June 2.				Plate 419. 1892, June 10.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
4971	12	6.9780	25.5589	16	11.6958	13.4841	o m.	5015	20	4.4578	17.8096	16	6.6610	5.9490	o m.
4972	10	8.6125	25.5374	11	13.3304	13.4857		5016	6	8.5646	17.0023	5*	10.7676	5.1600	
4973	8	9.6091	25.8381	10	14.3213	13.8014		5017	6	17.4170	17.3242	23	19.6293	5.5364	
4974	9	18.7827	25.6130	12	23.4972	13.7190		5018	22	17.4252	17.3259				
4975	4†	20.0785	25.0344	7†	24.8035	13.1668		5019	6	19.7108	17.8177				
4976	14	20.5019	25.2615	17	25.2248	13.3993		5020	7	20.6551	17.0745				
								5021	23	21.3665	17.6158	22	23.5664	5.8457	
								5022	6	23.3259	17.0768				
								5023	22	3.7090	18.0935	9	5.9052	6.2288	
								5024	19	6.1424	18.8650	10	8.3359	7.0126	
								5025	18	8.1021	18.1540	15	10.2974	6.3123	
								5026	18	8.1629	18.9353	16	10.3527	7.0915	
								5027	21	11.4446	18.1063	16	13.6418	6.2839	
								5028	19§	11.6245	18.5483	11	13.8200	6.7241	
								5029	51§	14.9088	18.3672	48§	17.1064	6.5617	66 940 8.7
								5030	10	21.6016	18.3146				
								5031	10	22.4898	18.6004				
								5032	14	3.3499	19.8519	13	5.5375	7.9852	
								5033	26§	6.4314	19.9406	23	8.6194	8.0909	
								5034	7	7.3368	19.1800				
								5035	24§	7.5892	19.6460	22	9.7767	7.8015	
								5036	6	8.0361	19.5089				
								5037	6	8.9521	19.0995				
								5038	13	18.6397	19.4851	8	20.8325	7.7010	
								5039	12	19.8967	19.2249				
								5040	48§	23.8277	19.1115	56§	26.0237	7.3564	66 947 8.5
								5041	19	3.1657	20.6952	17	5.3496	8.8279	
								5042	10	6.2952	20.3596				
								5043	20	16.9849	20.9518	21	19.1678	9.1582	
								5044	18	18.6688	20.3535	13	20.8545	8.5703	
								5045	23	20.3068	20.2390	17	22.4943	8.4616	
								5046	27§	22.1837	20.5018	21	24.3682	8.7339	
								5047	17	3.2351	21.5250	16	5.4145	9.6566	
								5048	27§	4.6252	21.8412	26	6.8056	9.9812	
								5049	29§	5.8975	21.1431	23§	8.0819	9.2905	66 936 9.4
								5050	7	7.4781	21.3460	6†	9.6595	9.5050	
								5051	22	9.9333	21.2137	19	12.1147	9.3827	
								5052	43§	16.3726	21.4862	49§	18.5554	9.6912	66 944 8.0
								5053	13	17.1596	21.1412	12	19.3425	9.3494	
								5054	10	18.9599	21.8241				
								5055	25§	21.6860	21.0635	22	23.8707	9.2957	
								5056	21	4.5517	22.3447	17	6.7256	10.4817	
								5057	13	7.7706	22.0560	9	9.9469	10.2112	
								5058	22§	8.2335	22.0480	16	10.4102	10.2095	
								5059	11	10.6323	22.5305				
								5060	9	12.7415	22.1382	3†	14.9183	10.3178	
								5061	15	14.6665	22.8367	5	16.8393	11.0323	
								5062	21	16.4874	22.8844	19	18.6610	11.0885	
								5063	42§	3.9572	23.0103	38§	6.1263	11.1444	66 934 9.1
								5064	12	4.5606	23.2352	6	6.7316	11.3730	
								5065	24§	5.6735	23.0412	22	7.8460	11.1883	
								5066	17	6.4039	23.6374	12	8.5717	11.7863	
								5067	18	10.3744	23.7052	9	12.5432	11.8786	
								5068	9	11.8889	23.3403				
								5069	29§	14.3255	23.6243	30	16.4947	11.8164	66 939 9.5
								5070	13	16.4727	23.2940	9	18.6437	11.4984	
								5071	34§	18.3516	23.0859	39§	20.5242	11.2999	66 945 9.3
								5072	14	18.7007	23.2040	9	20.8713	11.4190	
								5073	9	19.0834	23.4540				

Plates 2651, 419. No. 5040 is measured also on Plates 2660, 2652.

Nos. 5017, 5018. This is a close double star, the components of which are not separated on Plate 419.

1 réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 16 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 16 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>										R.A. 16 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 16 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>											
Centre		R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre		R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					
Plate 2651.		1895, June 2.				Plate 419.				1892, June 10.		Plate 2660.		1895, June 5.				Plate 2652.		1895, June 2.	
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.					
5074	41 $\frac{1}{2}$	3°20'43	24°9'05.5	31	5°36'65	13°03'67	67°	924	9.5	5123	15 $\frac{1}{2}$	8°9'326	17°03'31	11	8°9'634	5°05'78					
5075	6	7°04'14	24°27'53	6 $\frac{1}{2}$	9°20'75	12°42'71				5124	20	9°62'62	17°23'41	19 $\frac{1}{2}$	9°65'85	5°26'03					
5076	20 $\frac{1}{2}$	7°64'25	24°53'75	14	9°80'71	12°69'38				5125				4	10°84'90	5°67'95					
5077	10	11°88'43	24°69'41							5126	44 $\frac{1}{2}$	11°00'12	17°90'14	40 $\frac{1}{2}$	11°03'16	5°92'50	66	954	8.9		
5078	52 $\frac{1}{2}$	14°95'43	24°39'52	66 $\frac{1}{2}$	17°11'77	12°59'01	66	941	8.0	5127	30 $\frac{1}{2}$	11°03'97	17°74'92	24 $\frac{1}{2}$	11°07'26	5°77'36	66	955	9.4		
5079	31 $\frac{1}{2}$	16°33'13	24°49'86	31 $\frac{1}{2}$	18°49'66	12°70'11	66	943	9.5	5128	5	11°26'46	17°73'02	7	11°29'43	5°75'34					
5080	27 $\frac{1}{2}$	18°92'83	24°57'74	22	21°09'07	12°79'58				5129				7	12°01'90	5°87'63					
5081	23	19°27'29	24°45'53	17	21°43'67	12°67'32				5130	16	12°35'78	17°69'91	16	12°38'73	5°72'03					
5082	21	4°08'78	25°38'93	19	6°24'62	13°52'37				5131	27 $\frac{1}{2}$	13°93'15	17°46'50	20 $\frac{1}{2}$	13°95'89	5°48'20					
5083	14	4°81'31	25°63'87	12	6°96'92	13°77'88				5132	8	14°21'62	17°24'93	10	14°24'68	5°26'26					
5084	32 $\frac{1}{2}$	16°84'81	25°51'52	22	19°00'56	13°72'04	67	934	9.5	5133	9 $\frac{1}{2}$	15°02'40	17°27'38	10	15°05'31	5°28'73					
										5134	3*	15°16'81	17°97'94	5	15°20'56	5°99'36					
	36 $\frac{1}{2}$	25°13'30	16°16'63	31	18°12'86	1°49'44	66	942	9.2	5135	9	15°29'38	17°82'53	13	15°32'39	5°84'09					
	50 $\frac{1}{2}$	5°62'16	26°71'25				66	948	9.0	5136	24 $\frac{1}{2}$	15°54'71	17°05'50	24 $\frac{1}{2}$	15°57'75	5°06'90					
							67	925	9.3	5137	43 $\frac{1}{2}$	18°03'87	17°11'63	40 $\frac{1}{2}$	18°06'93	5°12'48	66	959	9.2		
R.A. 16 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 16 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>										R.A. 16 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 16 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>											
Centre		R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre		R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					
Plate 2660.		1895, June 5.				Plate 2652.				1895, June 2.		Plate 2660.		1895, June 5.				Plate 2652.		1895, June 2.	
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.					
5085	23	24°90'24	13°97'53	20	24°92'58	1°97'50			5143	31 $\frac{1}{2}$	7°78'45	18°65'33	22 $\frac{1}{2}$	7°81'73	6°68'60						
5086	20	4°56'19	14°05'81	18	4°58'49	2°09'97			5144	15	10°37'54	18°09'21	12	10°40'82	6°11'70						
5087	30 $\frac{1}{2}$	7°32'21	14°83'53	30 $\frac{1}{2}$	7°34'33	2°86'84	66	952	9.5	5145	3*	13°51'96	18°87'55	4	13°55'16	6°89'50					
5088	10	8°11'51	14°93'39						5146	5	17°29'98	18°11'52	9	17°32'73	6°12'36						
5089	14	11°41'31	14°65'88	12	11°43'68	2°68'10			5147	5*	19°77'92	18°89'45	7	19°81'22	6°90'06						
5090	10	18°76'92	14°16'48	6	18°79'13	2°17'68			5148	36 $\frac{1}{2}$	24°26'99	18°81'44	38 $\frac{1}{2}$	24°30'32	6°81'14	66	968	9.0			
5091	13	19°27'86	14°87'94	14	19°30'37	2°88'57			5149	11	24°35'46	18°77'58	11	24°38'63	6°76'95						
5092	10	23°46'67	14°88'82						5016	47 $\frac{1}{2}$	2°18'18	19°13'10	47 $\frac{1}{2}$	2°21'10	7°17'64	66	947	8.5			
5093	14	25°17'79	14°99'93	10	25°20'30	2°99'60			5150				4	4°06'66	7°33'10						
5094	47 $\frac{1}{2}$	25°45'76	14°27'75	80 $\frac{1}{2}$	25°48'57	2°27'21	66	970	9.2	5151	5*	5°28'62	19°67'10	5	5°32'18	7°70'77					
5095	4	25°45'85	14°26'44						5152				5	7°19'78	7°80'05						
5096	7*	2°18'90	15°04'83	5	2°21'66	3°09'35			5153	14	9°86'33	19°00'83	14	9°89'52	7°03'71						
5097	27 $\frac{1}{2}$	3°61'44	15°53'03	24 $\frac{1}{2}$	3°64'11	3°57'07			5154	23	11°93'81	19°35'61	18	11°97'40	7°37'80						
5098	7 $\frac{1}{2}$	4°63'59	15°18'31	6	4°66'33	3°21'98			5155	4*	12°90'80	19°73'36	7	12°94'11	7°75'39						
5099	8	5°41'55	15°23'38	6 $\frac{1}{2}$	5°44'11	3°27'06			5156	37 $\frac{1}{2}$	15°21'58	19°48'10	33 $\frac{1}{2}$	15°24'88	7°49'45	66	958	8.8			
5100	15	5°88'35	15°90'01	12	5°91'18	3°93'58			5157	5	16°04'19	19°18'06	8	16°07'59	7°19'35						
5101	8 $\frac{1}{2}$	9°99'02	15°98'12	12	10°01'95	4°00'71			5158	15	16°05'71	19°32'52	13 $\frac{1}{2}$	16°09'00	7°33'74						
5102	12 $\frac{1}{2}$	11°44'89	15°92'65	11	11°47'72	3°95'08			5159	5*	17°12'10	19°00'34	5	17°15'62	7°01'39						
5103	8	15°80'41	15°97'84	8	15°82'86	3°99'31			5160	16	17°33'02	19°04'42	12 $\frac{1}{2}$	17°36'04	7°05'39						
5104	21 $\frac{1}{2}$	18°13'82	15°06'14	24 $\frac{1}{2}$	18°16'33	3°06'99			5161	33 $\frac{1}{2}$	18°07'51	19°03'86	30 $\frac{1}{2}$	18°10'80	7°04'76	66	960	8.8			
5105	13	18°48'32	15°69'95	18	18°51'00	3°70'75			5162	23 $\frac{1}{2}$	18°80'42	19°43'21	31 $\frac{1}{2}$	18°83'64	7°43'84	66	963	9.2			
5106	16	19°35'35	15°73'80	18	19°37'95	3°74'54			5163	18	19°79'32	19°81'49	12 $\frac{1}{2}$	19°82'60	7°82'14						
5107	9	20°48'57	15°90'52						5164	13	21°30'05	19°15'91	13	21°33'32	7°16'26						
5108	4	20°65'47	15°92'53	4 $\frac{1}{2}$	20°68'35	3°93'06			5165	10	21°31'23	19°67'50	12	21°34'84	7°67'86						
5109	8	22°20'77	15°17'68	10	22°23'40	3°17'94			5166	5 $\frac{1}{2}$	22°39'93	19°82'63	7	22°43'45	7°83'03						
5110	45 $\frac{1}{2}$	24°58'25	15°54'54	66 $\frac{1}{2}$	24°60'95	3°54'28	66	969	9.0	5167	40 $\frac{1}{2}$	23°14'53	19°14'28	42 $\frac{1}{2}$	23°17'81	7°14'77	66	967	8.7		
5111	43 $\frac{1}{2}$	3°26'75	16°10'06	57 $\frac{1}{2}$	3°29'46	4°14'21	66	948	9.0	5168	20	3°05'73	20°09'72	24 $\frac{1}{2}$	3°09'19	8°13'78					
5112	20	5°56'40	16°74'85	18 $\frac{1}{2}$	5°59'06	4°78'28			5169				10	3°16'04	8°62'54						
5113	13	7°01'85	16°48'00	13	7°04'57	4°51'28			5170	26 $\frac{1}{2}$	4°96'76	20°37'05	27 $\frac{1}{2}$	5°00'86	8°40'58						
5114	18	11°67'84	16°19'74	18 $\frac{1}{2}$	11°70'71	4°21'87	66	957	9.5	5171	6	6°47'85	20°12'31	9	6°51'46	8°15'15					
5115	15	12°98'25	16°44'91	9	13°00'94	4°46'52			5172	7*	8°65'53	20°32'43	5	8°68'99	8°35'00						
5116	6 $\frac{1}{2}$	15°42'63	16°13'53	8	15°45'30	4°15'12			5173	24	8°68'48	20°47'61	20 $\frac{1}{2}$	8°71'98	8°50'37						
5117	6	23°30'79	16°19'52	7 $\frac{1}{2}$	23°33'71	4°19'82			5174	5*	9°92'67	20°75'47	8	9°96'38	8°78'00						
5118	20	23°48'19	16°91'28	19	23°51'14	4°91'17			5175	24 $\frac{1}{2}$	11°21'32	20°76'82	22 $\frac{1}{2}$	11°24'95	8°79'22	66	956	9.5			
5119	23	24°35'15	16°51'65	15	24°37'93	4°51'56			5176												



## ZONE + 66°.

R.A. 16 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 16 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 16 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 16 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 2660. 1895, June 5.				Plate 2652. 1895, June 2.				Plate 2660. 1895, June 5.				Plate 2652. 1895, June 2.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

Plates 2660, 2652. No. 5226 is not seen on Plates 427, 2056.

No. 5249. This star is R. Draconis. From data in Chandler's Third Catalogue it appears that it had maximum brightness (6.5-8.7) on 1895 June 2. Period 245.6 days. Minimum brightness (12.0-13.0).

x réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.

ZONE + 66°.

[illegible]

1 *réseau* interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\circ}.2$  at Dec.  $+ 67^{\circ}$ .



ZONE + 66°.

R.A. 17 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 17 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.							R.A. 17 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 17 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.										
Centre		R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°		R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		Centre		R.A. 17 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°		R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		Centre					
Plate 2661.		1895, June 5.		Plate 2662.		1895, June 5.		Plate 2661.		1895, June 5.		Plate 2662.					
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
B. D.							B. D.										
No. Mag.							No. Mag.										
5389	468	10°6342	17°5929	448	5°8124	5°6171	66° 991	m.	5448	388	11°3737	22°2778	348	6°6237	10°2910	°	m.
5390	12	13°3031	17°2722	12	8°4776	5°2603			5449	418	12°5947	22°8398	388	7°8528	10°8359	66° 992	9°0
5391	16	19°2992	17°1755	17	14°4742	5°0739			5450	11	12°9985	22°1116	19	8°2458	10°1056		
5392	9	19°8174	17°6209						5451	408	17°3751	22°9579	368	12°6341	10°8841	66° 997	8°7
5393	22	19°8647	17°5116	20	15°0438	5°4005			5452	15	10°8710	23°4159	13	6°1376	11°4376		
5394	368	20°2117	17°3515	318	15°3860	5°2320	66 1000	9°4	5453	9	12°4280	23°2679	9	7°6930	11°2647		
5395	9	9°8630	18°0808	7	5°0495	6°1180			5454	5	14°4824	23°8381	5	9°7549	11°8044		
5396	18	12°8264	18°1488	12	8°0155	6°1405			5455	4	14°6062	23°8419	5	9°8784	11°8063		
5397	5†	12°6714	18°5911	6	7°8669	6°5849			5456	6	16°3052	23°8468	5	11°5775	11°7896		
5398	228	14°5715	18°2534	248	9°7615	6°2218			5457	348	18°1518	23°7721	298	13°4210	11°6863	66° 998	9°4
5399	418	15°1935	18°8474	348	10°3925	6°8040	66 996	9°2	5458	6	18°6427	23°3878	10	13°9064	11°2960		
5400	12	16°6945	18°0008	20	11°8817	5°9370			5459	4†	18°9425	23°4787	5*	14°2088	11°3808		
5401	25	17°5857	18°7962	22	12°7854	6°7180			5460	6†	20°7007	23°2955	7	15°9666	11°1711		
5402	788	19°7618	18°5367	688	14°9550	6°4274	66 999	8°2	5461	258	22°6653	23°2479	248	17°9269	11°0939		
5403	7	22°3695	18°5429	6*	17°5633	6°3956			5462				15	19°6147	11°1725		
5404	5†	23°8369	18°2735	7	19°0230	6°1058			5463	18	24°4850	23°9458	228	19°7572	11°7656		
5405	21	7°9818	19°5725	19	3°1894	7°6382			5464	26	7°4850	24°6826	228	2°7717	12°7552		
5406	7	8°0750	19°2499	15	3°2812	7°3151			5465	5*	11°8601	24°0588	5	7°1367	12°0681		
5407	358	8°3015	19°3317	328	3°5076	7°3908	66 988	9°5	5466	16	12°4802	24°6849	12	7°7656	12°6817		
5408	6	8°7326	19°2087	10	3°9348	7°2615			5467	4†	12°9453	24°4691	3	8°2284	12°4616		
5409	16	8°7408	19°4311	16	3°9505	7°4844			5468	4*	15°6545	24°6999	5*	10°9369	12°		

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R.A. at Dec. +  $66^\circ$ , and  $51^{\text{s}}.2$  at Dec. +  $67^\circ$ .

R.A. 17 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 17 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> —contd.								R.A. 17 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 17 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.								
Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 446. 1892, June 24.				Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2662. 1895, June 5.				Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66° Plate 446. 1892, June 24.				Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2686. 1895, June 16.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	
5493	32§	8·6153	15·0340	23†	25·6592	3·2014	°	5544	22§	17·6687	14·6116	19	10·3504	2·5807	°	
5494	16	8·6390	15·2927				m.	5545	25	19·1314	14·4522	24	11·8065	2·3875		
5495	47§	3·1183	16·4744	45§	20·0855	4·3210	66 1005	8·3	5546	9	19·4918	14·3576	6	12·1665	2·2810	
5496	19	3·4687	16·7997	18	20·4141	4·6670			5547	19	21·8090	14·4218	13	14·4851	2·2941	
5497	26§	6·7158	16·3709	20	23·6817	4·4286			5548	6†	22·3591	14·4738				
5498	44§	4·7919	17·5480	41§	21·6919	5·4901	66 1009	9·4	5549	22	23·2645	14·9548	20	15·9509	2·7929	
5499	18	5·0481	17·4984	11	21·9525	5·4549			5550	25	24·2972	14·7416	24	16·9809	2·5583	
5500	16	6·3249	17·4791						5551	12	9·7604	15·3311				
5501	5	8·5326	17·2579						5552	23	10·1264	15·3238	17	2·8268	3·4725	
5502	7	8·8118	17·7841						5553	5	11·8502	15·8206				
5503	32§	3·4512	18·7424	24	20·2838	6·6058			5554	9	11·9071	15·7365				
5504	6	5·3095	18·0891						5555	13	15·3037	15·7911				
5505	8	8·9671	18·9171						5556	10	17·5941	15·4507	4	10·2961	3·4213	
5506	14	8·0402	19·7586						5557	28	19·7253	15·5917	21	12·4280	3·5137	
5507	14	8·7987	19·3139						5558	12	10·1106	16·5447	9	2·8375	4·6937	
5508	10	4·0690	20·0179						5559	26	10·3764	16·2400	32	3·0986	4·3823	
5509	26	5·8999	20·1958	13	22·6433	8·1981			5560	8	14·5156	16·7329	9	7·2463	4·7755	
5510	25§	6·7402	20·3519	26§	23·4730	8·4048			5561	16	17·8894	16·4957	14	10·6154	4·4599	
5511	6	7·2331	20·5401						5562	8	19·5581	16·4665	7	12·2820	4·3908	
5512	31§	7·9136	20·5349	39	24·6329	8·6541	66 1012	9·5	5563	17	21·5389	16·9148	14	14·2714	4·7919	
5513	10	8·6079	20·3457						5564	24	21·8172	16·0290	16	14·5335	3·9005	
5514	23	4·4143	21·0172	19	21·1118	8·9301			5565	18	22·3190	16·7648	13	15·0494	4·6235	
5515	23	4·5150	21·7972	16	21·1674	9·7119			5566	12	24·4122	16·5409	9	17·1362	4·3514	
5516	12	5·3920	21·3742						55							

1 réseau interval represents very nearly  $5' = 49^{\text{s}}.2$  of R. A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 17 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 17 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 17 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 17 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.									
Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					
Plate 446. 1892, June 24.				Plate 2686. 1895, June 16.				Plate 446. 1892, June 24.				Plate 2686. 1895, June 16.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
5603	6	15°0816	19°0029	4*	7°8666	7°0348	°	5662	17	24°1422	24°3354	12	17°0540	12°1505	°		
5604	21	18°2323	19°0828	16	11°0167	7°0409	m.	5663	5	17°2286	12°8579	5	17°2286	12°8579			
5605	8	19°3942	19°8326	6	12°1980	7°7640		5664	13	11°2544	25°0529	11	4°1833	13°1737			
5606	6†	19°7980	19°7900	4*	12°6016	7°7077		5665	15	13°5317	25°8861	10	6°4771	13°9511			
5607	5	20°1572	19°4977	4*	12°9493	7°4076		5666				5	12°1030	13°8843			
5608	12	21°5497	19°1291	10	14°3347	7°0056		5667	8	19°1877	25°7214	10	12°1292	13°6506			
5609	29§	23°2685	19°7810	25§	16°0706	7°6188	66 1030	9·5	5668	19	24°8620	25°0836	13	17°7858	12°8806		
5610	19§	23°4245	19°7436	15	16°2241	7°5773											
5611	38§	23°5857	19°0771	32§	16°3724	6°9061	66 1031	9·3				37§	11°3145	1°0321	65 1188	9·2	
5612	34§	10°3663	20°5800	29§	3°1899	8°7244	66 1014	9·2				56§	13°3980	1°5219	66 1024	8·3	
5613	13	13°9201	20°3648	11	6°7375	8°4232			64§	21°2727	26°1907				67 1017	8·1	
5614	5	13°9398	20°3722	4†	6°7535	8°4293			48§	23°1861	26°4796				67 1018	9·2	
5615	7	19°8967	20°8022	4*	12°7219	8°7217			86§	24°3653	26°7186				67 1019	7·6	
5616	21	20°3560	20°7299	12	13°1814	8°6365			61§	25°9547	21°6582				66 1034	8·1	
5617	40§	23°1341	20°9245	28§	15°9614	8°7654	66 1029	9·3	62§	26°6561	26°0425				67 1025	8·7	
5618	78§	10°3217	21°8462	56§	3°1737	9°9909	66 1013	7·0									
5619	25§	11°5259	21°2662	20§	4°3649	9°3845											
5620	6	12°4156	21°6672	4†	5°2629	9°7578											
5621	10	12°7303	21°3001	10	5°5729	9°3851											
5622	27§	15°2594	21°7232	24§	8°1080	9°7514	66 1020	9·5									
5623	24§	23°1309	21°5417	19§	15°9730	9°3829	66 1028	9·5									
5624	9*	24°0150	21°2953	5	16°8497	9°1144			5669	12	3°7602	14°7486	18	18°3862	2°6307	°	m.
5625	10	11°3083	22°3578	9	4°1743	10°4802			5670	27§	3°7665	14°1316	28	18°4257	2°0167		
5626	11	11°8187	22°0656	14	4°6769	10°1759			5671	10	4°8221	14°1423	9	19°4748	2°0792		
5627	9	11°8737	22°0968	6	4°7323	10°2047			5672	13	8°4253	14°5775	8	23°0554	2°6816		
5628	15	11°9799	22°4252	16	4°8453	10°5303			5673	7	9°3737	14°1494	5†	24°0213	2°2994		
5629	12	13°2291	22°1475	9	6°0893	10°2223			5674	18	5°3641	15°4271	21	19°9596	3°3839		
5630	30§	15°0831	22°5947	25§	7°9504	10°6253	66 1019	9·4	5675	19	11°9671	15°4652					
5631	7	17°0722	22°4546	5	9°9364	10°4381			5676	22	4°7097	16°3198	22	19°2629	4°2466		
5632	11	18°4455	22°2803	6	11°3058	10°2319			5677	23	5°2794	16°5531	25	19°8210	4°5035		
5633	22§	20°1956	22°3795	17	13°0589	10°2892			5678	44§	6°0246	16°7006	43§	20°5598	4°6863	66 1035	8·5
5634				6	13°9781	10°2127			5679	20	11°0387	16°3505	14	25°5819	4°5760		
5635	11	21°2177	22°5625	4	14°0842	10°4474			5680	19	3°6814	17°1263	21	18°1972	5°0042		
5636	13	23°0001	22°1298	10	15°8558	9°9723			5681	5	4°2078	17°8576	7	18°6865	5°7559		
5637	10	23°8477	22°6134	9	16°7188	10°4385			5682	5	4°6777	17°1358	9	19°1913	5°0584		
5638	12	12°8417	23°4104	12	5°7305	11°4925			5683	16	6°0837	17°3080	20	20°5845	5°2993		
5639	16	13°1229	23°6453	12	6°0155	11°7210			5684				6	21°0567	5°7250		
5640	16	13°4250	23°2724	13	6°3104	11°3397			5685	24	7°2978	17°6306	20	21°7849	5°6792		
5641	24§	15°0568	23°3118	22§	7°9434	11°3429	66 1018	9·5	5686	22	9°2713	17°6526	22	23°7548	5°7942		
5642	7	17°9101	23°5291						5687				11	19°0373	6°2596		
5643	6	18°2062	23°8150	5	11°1054	11°7704			5688	19	6°9811	18°3728	25	21°4328	6°4037		
5644	9	18°2997	23°2812	8	11°1863	11°2366			5689				5	19°5820	7°3134		
5645	7	21°1944	23°6515	6	14°0869	11°5393			5690	27§	6°0965	19°5702	25§	20°4912	7°5575		
5646	16	21°6460	23°2986	13	14°5312	11°1743			5691	21	8°1111	19°2281	22	22°5170	7°3143		
5647	15	23°5408	23°4011	10	16°4268	11°2333			5692	17	3°7413	20°6682	18	18°0876	8°5405		
5648	7*	24°6273	23°3150	6	17°5126	11°1215			5693				6	18°7310	8°0742		
5649	18	9°2842	24°5012	13	2°2021	12°6676			5694	6	6°8623	20°0489	8	21°2343	8°0702		
5650	16	12°5610	24°8602	15	5°4843	12°9488			5695				7	22°2771	8°7946		
5651	24§	12°9806	24°6417	24§	5°8987	12°7193			5696	7	11°6040	20°2877	6†	25°9610	8°5387		
5652	10	13°0764	24°6973	10	5°9982	12°7751			5697	46§	4°4950	21°5219	45§	18°7989	9°4305	66 1034	8·1
5653	36§	13°5950	24°4606	33§	6°5113	12°5212	66 1015	9·3	5698	19	8°0976	21°7793	22	22°3853	9°8600		
5654	22	14°0817	24°5709	13	6°9979	12°6205			5699				6	23°3273	9°4832		
5655	6	14°6544	24°1110	6	7°5616	12°1507			5700	6	10°5728	21°8661	8	24°8537	10°0641		
5656	9	18°9355	24°8715	6	11°8585	12°8085			5701				9	18°8335	10°4436		
5657	22	19°8492	24°2733	16	12°7592	12°1922	66 1023	9·5	5702	4	8°5683	22°5085	10	22°8217	10°6100		
5658	11	20°2955	24°1739	6	13°2039	12°0799			5703	21§	11°4748	22°0035	27	25°7463	10°2453	66 1039	9·5
5659	22	20°5846	24°7063	16	13°5042	12°6077			5704	52§	6°7045	23°8294	43§	20°8979	11°8405	66 1036	9·0
5660	22	20°7395	24°6001	19	13°6572	12°4985			5705	13	8°6251	23°9260	15	22°8082	12°0346		
5661	26	22°7521	24°2425	19	15°6589	12°0923	66 1026	9·5	5706				13	23°6553	11°8811		

## ZONE + 66°.

R.A. 17 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 17 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> —contd.										R.A. 17 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 17 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.											
Centre R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.					Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2686. 1895, June 16.					Centre R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.					Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.						
No.	Diam.	$\alpha$ .	$\delta$ .	B. D.	No.	Diam.	$\alpha$ .	$\delta$ .	B. D.	No.	Diam.	$\alpha$ .	$\delta$ .	B. D.	No.	Diam.	$\alpha$ .	$\delta$ .	B. D.		
5707	21	11°1421	23°5888		23	25°3404	11°8101	66°1038	m.	5758					15	14°6716	7°9123		m.		
5708	32	11°7084	23°9255		29	25°8874	12°1765	66°1040	9'4	5759	22§	13°5448	20°3930	23§	3°9658	8°6104					
5709	21	5°3235	24°1818		23	19°4960	12°1279			5760	16	13°5934	20°2572	19	4°0085	8°4731					
5710	21	5°9887	24°1540		22§	20°1646	12°1316			5761	15	15°9855	20°3859	19	6°4082	8°5251					
5711					7	22°0814	12°3329			5762	19	16°2529	20°7709	21§	6°6845	8°9026					
5712	38	8°6440	24°6379		32§	22°7934	12°7438	66°1037	9'0	5763	26	17°4738	20°9021	22	7°9071	8°9929					
5713	18	11°4535	24°9412		19	25°5815	13°1795			5764	5†	17°6444	20°1307	5	8°0564	8°2163					
5714					17	18°8931	13°3101			5765	33§	19°3687	20°5955	31§	9°7895	8°6232	66°1049	8'9			
5715	41	5°5114	25°8510		32	19°6060	13°8051	67°1025	8'7	5766	23§	16°7531	21°3897	27§	7°2045	9°5011	66°1046	9'2			
5716					4	19°8461	13°8039			5767	19	17°0957	21°0635	18	7°5359	9°1681					
5717	8	7°4251	25°7635		16	21°5220	13°8114			5768	13	15°1764	22°0084	18	5°6470	10°1753					
5718	22	11°9153	25°1490		24	26°0371	13°4077			5769	10	16°4686	22°1704	12	6°9439	10°2979					
	93§	3°2700	26°6872					67°1019	7'6	5770	24§	19°3895	22°8147	23§	9°8849	10°8429					
R.A. 17 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 17 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>																					
Centre R.A. 17 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 2696. 1895, June 17.					Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.																
5719	18	12°3043	14°5455		22	2°5349	2°8084		m.	5771					7	11°0741	10°7673				
5720	7*	12°9554	14°0341		6†	3°1641	2°2796			5772	7	21°7522	22°5300	15	12°2364	10°4818					
5721	37§	15°4828	14°9095		40§	5°7181	3°0675	66°1043	9'2	5773				8	3°5410	11°5475					
5722	14	16°0465	14°1214		15	6°2601	2°2644	66°1045	9'5	5774	21	14°7845	23°6746	24	5°3077	11°8524					
5723	16	14°4646	15°2563		14	4°7139	3°4494			5775	33§	14°9124	23°3398	31§	5°4252	11°5134	66°1041	8'8			
5724	36§	15°1264	15°7744		42§	5°3938	3°9447	66°1042	9'1	5776	12	18°9446	23°5009	19	9°4632	11°5431					
5725	6†	20°6832	15°5538		10	10°9398	3°5426			5777	18	21°5583	23°4358	21	12°0734	11°3904					
5726	7†	20°9621	15°8341		10	11°2261	3°8158			5778	10†	14°1603	24°1251	16	4°6984	12°3193					
5727	42§	21°3205	15°2396		41§	11°5675	3°2090	66°1051	8'5	5779	29	18°5103	24°1279	27§	9°0490	12°1825	66°1048	9'5			
5728					7	13°2151	3°8894			5780	21	12°2035	25°9347	24	2°7703	13°1961					
5729					5	13°4886	3°4366			5781				6	3°5643	13°4015					
5730	7†	23°2300	15°7802		11	13°4931	3°6833			5782				9	3°6570	13°1816					
5731	6*	14°2057	16°2950		7	4°4901	4°4953			5783				4	5°9388	13°5867					
5732	6	14°2209	16°2241		8†	4°5032	4°4243			5784	11	17°8499	25°6315	19	8°4373	13°7104					
5733	5†	14°3107	16°3150		12	4°5969	4°5147			5785	6†	22°1576	25°8617	22	12°7498	13°8006					
5734	7	17°7836	16°3010		8	8°0699	4°3850			5786	20	22°4109	25°6091	26	12°9930	13°5368					
5735	12	18°3451	16°7149		13	8°6431	4°7770			5787				5	14°8698	13°4493					
5736	36§	19°5244	16°4841		37§	9°8144	4°5084	66°1050	9'0		47§	26°9184	17°0602	48§	3°5196	1°7732	65°1208	8'2			
5737	22§	23°6020	16°5298		20§	13°8901	4°4222				80§	27°0849	19°4518				66°1055	9'2			
5738	9	18°0285	17°9157		14	8°3639	5°9917				30§	26°7066	26°5307				66°1057	7'5			
5739					4	9°2142	5°3368			R.A. 17 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 18 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>											
5740	17	19°1741	17°5944		18	9°4980	5°6326			Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 441. 1892, June 23.					Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.						
5741	13	19°2380	17°8959		15	9°5731	5°9296			5788	21	6°1572	14°6148	22	18°3378	2°5620			m.		
5742	16	19°5824	17°9007		18	9°9158	5°9227			5789	31	12°5637	14°7509	37	24°7354	2°9552	66°1067	9'5			
5743	9†	20°0167	17°9220		10	10°3540	5°9308			5790	26	13°0952	14°5606	33	25°2761	2°7884	66°1068	9'5			
5744	†	21°0894	17°5378		6	11°4132	5°5106			5791	17	3°0770	15°1110	16	15°2416	2°9391					
5745					5	11°4235	5°5008			5792	27	9°3653	15°9196	22	21°4909	3°9959					
5746	9	21°5192	17°1297		9	11°8277	5°0911			5793	6	3°7982	16°1401	7	15°9227	3°9925					
5747					10	14°1049	5°0665			5794	9	4°1570	16°9977	10	16°2459	4°8606					
5748	17	24°0927	17°8342		18	14°4238	5°7099			5795	38§	5°1331	16°9412	36§	17°2246	4°8468	66°1055	9'2			
5749	20	17°4943	18°0756		22	7°8352	6°1687			5796	21	6°3833	16°5994	24	18°4866	4°5568					
5750	23	19°2882	18°0209		25	9°6271	6°0529			5797				9	18°6056	4°5455					
5751	7†	19°4551	18°7122		7	9°8140	6°7377			5798	7†	7°1154	16°1135	9	19°2402	4°1023					
5752	21	22°4993	18°0483		18	12°8369	5°9776			5799				9	19°6502	4°6747					
5753	6	14°5214	19°1758		6	4°9001	7°3691			5800				9	20°6801	4°4795					
5754	43§	17°4698	19°9581		43§	7°8741	8°0505	66°1047	8'6	5801	10	9°3561	16°8005	13	21°4505	4°8761					
5755	22	18°5877	19°2815		20	8°9678	7°3349			5802	27	10°4660	16°1729	25§	22°5831	4°2966	66°1061	9'5			
5756	9	18°7108	19°7589		14	9°1067	7°8081			5803	34§	11°1724	16°8028	36§	23°2616	4°9529	66°1062	9'2			
5757	13	20°9926	19°7641		17	11°3868	7°7413			5804	15	3°7300	17°0067	21	15°8170	4°8551					
										5805	29§	5°7572	17°4678	29§	17°8243	5°3981	66°1058	9'4			

Plate 2696. The star whose co-ordinates are 26°7066, 26°5307 is not given in the B. D., but is given as No. 2750 in the *A.G. (Christiania) Catalogue*. Mag. 9'4.

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.



R.A. 17 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 18 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 18 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 18 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.									
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 441. 1892, June 23.				Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.				Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 441. 1892, June 23.				Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2688. 1895, June 16.					
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.		
							No.	Mag.								No.	Mag.
5806	18	5.8162	17.9409	19	17.8645	5.8758	°		5855	12	22.0029	14.1185	14	9.8995	1.9684	65 1244	9.5
5807	30§	7.3781	17.6961	30§	19.4361	5.6910	66 1059	9.5	5856	9	22.3410	14.2702	12	10.2434	2.1094		
5808	10	7.6955	17.4113	16	19.7641	5.4200			5857	30§	23.6588	14.9110	30§	11.5841	2.7015	66 1083	9.4
5809	40§	11.1696	17.7705	43§	23.2251	5.9193	66 1063	8.5	5858	22	22.2146	15.7325					
5810	12	11.2861	17.8579	13	23.3367	6.0076			5859	16	22.2748	15.8185	18	10.2297	3.6582	66 1079	9.5
5811	19	5.2250	18.8364	15	17.2374	6.7469			5860	9	22.5357	15.6201	7	10.4840	3.4498		
5812	12	5.3034	18.2040	19	17.3422	6.1173			5861	5	24.1758	15.4903	6	12.1155	3.2594		
5813	13	6.7059	18.1135	15	18.7483	6.0819			5862	31§	16.5327	16.3920	40§	4.5112	4.4390	66 1071	9.5
5814	13	6.7992	18.1202	11	18.8399	6.0931			5863	18	16.5851	16.2808	19	4.5623	4.3231		
5815	19	7.3344	18.3717	22	19.3655	6.3675			5864	5†	18.1434	16.8812	9	6.1379	4.8687		
5816				9	20.7734	6.1013			5865	5†	20.6448	16.4994	4†	8.6260	4.3991		
5817	9	9.5030	18.1515	8	21.5387	6.2335			5866	4	21.3382	16.1896	7	9.3064	4.0607		
5818				9	15.2479	7.3700			5867	19	22.2386	16.7470	20	10.2274	4.5871		
5819	7†	4.0559	19.0066	12	16.0607	6.8741			5868				5	11.8107	4.4898		
5820	9	5.2665	19.0694	15	17.2660	6.9796			5869	19	24.8711	16.7802	19	12.8606	4.5269		
5821	58§	5.4735	19.3124	58§	17.4646	7.2347	66 1057	7.5	5870	18	15.6544	17.6613	22	3.6795	5.7371	66 1069	9.5
5822				9	17.5327	7.8814			5871	30§	17.8457	17.9905	33§	5.8823	5.9873	66 1074	9.0
5823	5†	6.2474	19.9440	8	18.2872	7.8261			5872	15	18.9935	17.6355	16	7.0147	5.5902		
5824	28§	6.5440	19.3107	26§	18.5361	7.2728			5873	4	19.8068	17.8415	9	7.8385	5.7709		
5825	7†	11.2418	19.4264	10	23.2280	7.5773			5874	9	20.0771	17.0308	9	8.0784	4.9500		
5826	33§	11.3683	19.2118	38§	23.3646	7.3676	66 1064	9.0	5875	4	22.5428	17.8049	7	10.5685	5.6359		
5827	9	5.5218	20.3972	10	17.4674	8.3173											

No. 5833. This is noted in the B. D. as a nebulous star. It is No. 6543 in Dreyer's Catalogue (*Mem. R. A. S.*, vol. xlix. pt. 1). It appears on the Catalogue Plates as a well-defined nucleus with a diffused halo all round it. The mean diameter of the whole halo, which is not circular, is given. This halo is not marked on the Chart Plates of the same field. Plate 441. The star whose co-ordinates are  $5^{\text{h}} 6^{\text{m}} 6^{\text{s}}$ ,  $26^{\circ} 39' 9''$ , is not given in the B. D., but is given as No. 2750 in the *A. G. (Christiania) Catalogue*. Mag. 9.5. No. 5858. Variable.

1 réseau interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\circ}.2$  at Dec.  $+ 67^{\circ}$ .

ZONE + 66°.

R.A. 18 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 18 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 18 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 18 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 441. 1892, June 23.				Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2688. 1895, June 16.				Centre R.A. 18 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 2689. 1895, June 16.				Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2688. 1895, June 16.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.
5914	25 $\frac{1}{2}$	22.5932	22.6167	31 $\frac{1}{2}$	10.7911	10.4391	66 1081 9.2	5964	35 $\frac{1}{2}$	5.4659	17.6111	34 $\frac{1}{2}$	15.2738	5.3642	° m.
5915	28 $\frac{1}{2}$	22.6678	22.4659	30 $\frac{1}{2}$	10.8621	10.2852	66 1082 9.0	5965	9	8.6286	17.2082	19	18.4481	5.0748	
5916	25 $\frac{1}{2}$	14.0956	23.1379	30 $\frac{1}{2}$	2.3200	11.2667		5966	24	9.1328	17.1910	32 $\frac{1}{2}$	18.9515	5.0733	
5917	20	17.8826	23.5996	17	6.1178	11.5904		5967	4 $\frac{1}{2}$	11.8065	17.1167	6	21.6267	5.0948	
5918				7	7.2225	11.9114		5968	5 $\frac{1}{2}$	12.0068	17.5536	9	21.8140	5.5400	
5919	28 $\frac{1}{2}$	19.2150	23.1221	27 $\frac{1}{2}$	7.4364	11.0675		5969	10	12.8436	17.0998	13	22.6651	5.1180	
5920	13	15.6980	24.7467	14	3.9802	12.8151		5970	25	13.6090	17.0148	24	23.4325	5.0605	
5921	10	16.3291	24.3168	15	4.5918	12.3614		5971	6	13.7533	17.7771	4	23.5478	5.8294	
5922	26 $\frac{1}{2}$	16.9151	24.8939	26 $\frac{1}{2}$	5.1981	12.9198	66 1072 9.5	5972	26 $\frac{1}{2}$	13.8823	17.7500	26	23.6997	5.8028	
5923	23 $\frac{1}{2}$	18.8729	24.8494	21 $\frac{1}{2}$	7.1569	12.8031	66 1076 9.5	5973	40 $\frac{1}{2}$	14.5913	17.9453	48 $\frac{1}{2}$	24.3824	6.0223	66 1096 9.0
5924	9*	19.6555	24.7388	6	7.9341	12.6676		5974	17	15.3995	17.3241	16	25.2083	5.4299	
5925	20	20.4754	24.8448	22	8.7585	12.7448	66 1078 9.5	5975	9	6.2031	18.6276	16	15.9755	6.4076	
5926				4	12.6495	12.2278		5976				5	20.7394	6.9463	
5927				12	12.7500	12.8956		5977	26	11.6969	18.9856	30 $\frac{1}{2}$	21.4518	6.9601	66 1092 9.5
5928				8	2.3897	13.7880		5978	9 $\frac{1}{2}$	12.7080	18.3083	12	22.4851	6.3188	
5929	13	18.5237	25.1023	14	6.8146	13.0721		5979	22	4.8717	19.1286	24	14.6264	6.8609	
5930	77 $\frac{1}{2}$	20.1939	25.2247	82 $\frac{1}{2}$	8.4893	13.1301	66 1077 6.5	5980				12	15.3887	7.3657	
5931				5	10.3756	13.4384		5981				5	15.7634	7.2868	
5932				8	12.5593	13.0673		5982	11	6.7366	19.1634	11	16.4867	6.9615	
	38 $\frac{1}{2}$	14.7603	26.8673	90 $\frac{1}{2}$	3.3748	1.3711	65 1233 7.0 67 1045 9.0	5983	26 $\frac{1}{2}$	7.0550	19.9210	27 $\frac{1}{2}$	16.7793	7.7337	
								5984	16	8.6337	19.6317	19	18.3659	7.4989	
								5985	64 $\frac{1}{2}$	8.8643	19.3506	66 $\frac{1}{2}$	18.6098	7.2253	66 1089 7.8
								5986	29 $\frac{1}{2}$	9.0215	19.4035	28 $\frac{1}{2}$	18.7612	7.2810	
								5987	27 $\frac{1}{2}$	11.5846	19.8801	28 $\frac{1}{2}$	21.3080	7.8516	66 1091 9.5
								5988	28 $\frac{1}{2}$	11.7327	19.4491	33 $\frac{1}{2}$	21.4701	7.4249	66 1093 9.5
								5989	22	13.3437	19.4787	22	23.0803	7.5118	
								5990	24 $\frac{1}{2}$	13.3635	19.8081	34 $\frac{1}{2}$	23.0906	7.8407	
								5991	26 $\frac{1}{2}$	14.7189	19.5034	29 $\frac{1}{2}$	24.4540	7.5871	
								5992	6	3.5140	20.2841	11	13.2259	7.9676	
								5993	14	6.5942	20.1351	17	16.3100	7.9291	
								5994	24	6.8896	20.0046	22	16.6086	7.8081	
								5995	7	10.0741	20.7647	8	19.7650	8.6794	
								5996	15	12.3956	20.9008	17	22.0827	8.8987	
								5997	9	3.5677	21.8059	15	13.2299	9.4919	
								5998	19	7.0999	21.9079	20	16.7521	9.7167	
								5999				9	20.2708	9.0689	
								6000				6	13.3835	10.6458	
								6001	5	4.8240	22.8291	13	14.4471	10.5627	
								6002	35 $\frac{1}{2}$	4.8299	22.5108	31 $\frac{1}{2}$	14.4652	10.2407	66 1085 9.4
								6003	21	5.8634	22.1307	26	15.5109	9.8979	
								6004				9	16.8671	10.6297	
								6005	12	13.2213	22.1747	15	22.8584	10.2033	
								6006	30 $\frac{1}{2}$	14.3083	22.6158	26 $\frac{1}{2}$	23.9338	10.6803	
								6007	8	15.1666	22.4222	11	24.7997	10.5180	
								6008	14	3.4138	23.2595	21 $\frac{1}{2}$	13.0171	10.9385	
								6009				9	15.8923	11.6633	
								6010	30	6.7168	23.2516	26 $\frac{1}{2}$	16.3238	11.0478	
								6011	6	6.8081	23.4804	11	16.4057	11.2798	
								6012	4*	8.8725	23.4650	9	18.4661	11.3403	
								6013				6	19.6417	11.6328	
								6014				9	20.0881	11.5693	
								6015	22	13.1902	23.6141	23	22.7798	11.6405	
								6016	14	13.7694	23.9504	24	23.3427	11.9964	
								6017	4*	14.0249	23.8511	5	23.6053	11.9082	
								6018	10	15.1406	23.1976	15	24.7429	11.2932	
								6019	37 $\frac{1}{2}$	15.4252	23.2548	40 $\frac{1}{2}$	25.0266	11.3603	66 1099 9.2
								6020	16	4.8311	24.7337	22	14.3817	12.4619	
								6021				9	14.6092	12.2409	
								6022				8	15.2551	12.4639	

1 *réseau* interval represents very nearly  $5' = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



ZONE + 66°.

R.A. 18 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 18 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> —contd.								R.A. 18 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup> to 18 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 18 <sup>h</sup> 18 <sup>m</sup> Dec. + 66°				R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 2689. 1895, June 16.				Plate 2688. 1895, June 16.				Plate 2689. 1895, June 16.				Plate 2148. 1894, July 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly  $5' = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .

## ZONE + 66°.

R.A. 18 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 18 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 18 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 18 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 2690. 1895, June 16.				R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2148. 1894, July 19.				Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 2690. 1895, June 16.				R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2148. 1894, July 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 66°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 18 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 18 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>									R.A. 18 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 18 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>																
Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°			R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Centre R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Plate 2690. 1895, June 16.			Plate 2691. 1895, June 16.										
6230	34§	24.6829	15.4664	36§	7.6573	3.2871			6280	13	6.3578	17.1421	14	11.1856	4.9970										
6231	23	24.7379	15.8331	17	7.7366	3.6500			6281	22§	7.0487	17.8407	22§	11.8679	5.7100										
6232	6	23.8835	16.8450						6282	10	7.2248	17.3095	8	12.0512	5.1810										
6233	20	21.0242	17.1212	14†	4.1024	5.1504			6283	10	8.1625	17.6657	9	12.9824	5.5539										
6234				5	5.4485	5.5609			6284	20§	8.4287	17.2126	20	13.2605	5.1048										
6235	25	24.6150	17.6781	25	7.7162	5.5011			6285	13	9.9745	17.1851	13	14.8069	5.1031										
6236	7	19.9256	18.7339	7	3.0958	6.8188			6286	10	10.0577	17.8758	10	14.8757	5.7988										
6237	22	21.3012	18.0628	26	4.4829	6.9688			6287	35§	10.4777	17.1861	34§	15.3089	5.1147	66 1137	9.5								
6238	7	22.7128	18.6744	15	5.8753	6.6066			6288	9	11.1476	17.9030	8	15.9626	5.8427										
6239	27	24.5773	18.7223	27§	7.7360	6.5439			6289	8	11.9365	17.3067	7†	16.7627	5.2595										
6240	11	19.5854	19.4138	10	2.7963	7.5178	66 1120	9.5	6290	7	14.4271	17.0874	7	19.2590	5.0888										
6241	22	19.9709	19.4495	23	3.1814	7.5285	66 1122	9.5	6291	17	14.7670	17.8906	18	19.5858	5.8939										
6242	46§	22.4392	19.6854	44§	5.6569	7.6268	66 1125	9.0	6292	33§	17.3177	17.5570	39§	22.1416	5.6057	66 1145	9.5								
6243	5†	23.1396	19.8150	12	6.3655	7.7204			6293	10	19.0405	17.6486													
6244	43§	23.1173	20.2564	40§	6.3672	8.1581	66 1126	8.6	6294	22	3.7419	18.1007	17	8.5551	5.9134										
6245	27	24.1412	20.5289	24§	7.4064	8.3744			6295	6†	4.9795	18.7636	6†	9.7774	6.5953										
6246	34§	19.8421	21.9661	31§	3.1939	10.0501	66 1121	9.5	6296	6	6.4259	18.1335	9	11.2377	5.9889										
6247	31	21.2046	22.0578	28§	4.5587	10.0704			6297	15	14.6160	18.7396	16	19.4181	6.7408										
6248	31	22.2852	22.2245	27§	5.6478	10.1718	66 1124	9.4	6298	5	16.4970	18.8250													
6249	34	24.2065	22.8572	28§	7.6031	10.6960	66 1127	9.4	6299	7	18.2716	18.0022	6	23.0888	6.0698										
6250	6	20.9906	23.2372	8	4.4144	11.2562			6300	15	18.9650	18.9103	7*	23.7639	6.9944										
6251				6	6.0503	11.5682			6301	8	19.3560	18.0156													
6252	40§	21.0126	24.8415	39§	4.5227	12.8535	66 1123	9.5	6302	10	20.0986	18.1898													
6253	9†	21.4777	24.8668	13	4.9915	12.8553			6303	9	20.5028	18.9769	7†	25.3011	7.0864										
6254	7†	22.9160	24.2881	20	6.3972	12.2005			6304	38§	20.7791	18.0787	43§	25.5960	6.1915	66 1149	8.9								
6255				9	7.1567	13.9413			6305				8	8.4581	6.9391										
	52§	26.3892	20.8506				66 1128	9.0	6306	11	5.6888	19.1130	11	10.4851	6.9580										
	52§	26.8154	22.8490				66 1129	9.4	6307	42§	6.6799	19.2515	43§	11.4752	7.1137	66 1132	8.8								
R.A. 18 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 18 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup>																									
Centre R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°																						
Plate 443. 1892, June 23.			Plate 2691. 1895, June 16.																						
6256	19	3.3798	14.0573	12	8.2645	1.8613			6310	27	8.4140	19.6134	24	13.2004	7.5080	66 1133	9.3								
6257	7	8.3257	14.7473	8†	13.1977	2.6379			6311	7	9.8591	19.3710	6†	14.6467	7.2872										
6258	44§	11.3966	14.2024	45§	16.2791	2.1455	65 1302	9.1	6312	12	13.4643	19.9635	11	18.2438	7.9490										
6259	10	20.9106	14.3517						6313	12	13.7982	19.7215	12	18.5837	7.7073										
6260	8	3.4249	15.7752	6†	8.2811	3.5816			6314	8	13.9945	19.2519	12	18.7854	7.2430										
6261	4	6.3248	15.7387						6315	17	14.0359	19.2863	15	18.8288	7.2771										
6262	7	6.6393	15.6057	7	11.4979	3.4704			6316	22	14.1022	19.5193	20	18.8918	7.5137										
6263	16	7.4748	15.0850	16	12.3387	2.9600			6317	9	16.1918	19.5860	9†	20.9793	7.6130										
6264	19§	11.3494	15.2615	19	16.2151	3.2056			6318	8	20.2507	19.1255	5†	25.0448	7.2291										
6265	10	13.9070	15.6318	9†	18.7637	3.6230			6319	43§	4.8990	20.7351	41§	9.6644	8.5688	66 1128	9.0								
6266	38§	14.3199	15.7024	38§	19.1756	3.6980	66 1143	9.5	6320	10	12.6383	20.0695	13	17.4186	8.0376										
6267	11	16.2886	15.9028	10*	21.1426	3.9373			6321	9	15.2758	20.8390	8†	20.0433	8.8486										
6268	12	17.0677	15.7760	12	21.9248	3.8220			6322	15	17.8384	20.2029	13	22.6178	8.2651										
6269	10	18.9132	15.9527						6323	8	17.8948	20.5288	8	22.6655	8.5902										
6270	13	4.7758	16.2191	13	9.6241	4.0482			6324	12	19.8353	20.9165	12	24.6017	9.0124										
6271	22§	6.4395	16.9875	22§	11.2746	4.8483			6325	24§	20.5729	20.2689	11	25.3490	8.3768										
6272	18§	8.1783	16.6145	20§	13.0179	4.5009			6326	9	20.7615	20.6696													
6273	38§	9.4098	16.2818	40§	14.2559	4.1900	66 1135	9.0	6327	12	20.9326	20.5166													
6274	13	14.6847	16.3499	11	19.5289	4.3509			6328				9	9.1555	9.4485										
6275	7	15.1387	16.6603	7†	19.9817	4.6711			6329	13	7.5055	21.4559	12	12.2629	9.3372										
6276	27§	18.9327	16.3744	25	23.7746	4.4540			6330	22§	10.2227	21.4067	23	14.9782	9.3296										
6277	45§	19.0973	16.3221	70§	23.9441	4.4041	66 1147	8.6	6331	33§	12.4144	21.2995	40§	17.1697	9.2610	66 1140	9.5								
6278	13	19.5117	16.1761	9*	24.3593	4.2663			6332	9†	12.9033	21.8182	10	17.6474	9.7917										
6279	19§	19.7103	16.0170	14	24.5603	4.1104	66 1148	9.5	6333	24§	13.2987	21.7689	31§	18.0497	9.7475										
									6334	15	18.1199	21.3531													
									6335	21§	5.2777	22.0680	25§	10.0224	9.9053										
									6336	37§	5.4735	22.6997	37§	10.2056	10.5385	66 1129	9.4								
									6337	50§	6.0175	22.4403	60§	10.7545	10.2909	66 1130	8.6								
									6338	13	6.1190	22.7878	13	10.8516	10.6397										

1 réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.

ZONE + 66°.

R.A. 18 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 18 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.							R.A. 18 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 19 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup>										
Centre		R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°		Centre		R.A. 18 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		Centre		R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°	
Plate 443. 1892, June 23.		Plate 2691. 1895, June 16.		Plate 444. 1892, June 23.		Plate 2288. 1894, Oct. 16.		Plate 444. 1892, June 23.		Plate 2288. 1894, Oct. 16.		Plate 444. 1892, June 23.		Plate 2288. 1894, Oct. 16.		Plate 2288. 1894, Oct. 16.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
6339	28§	6.1747	22.2289	26§	10.9159	10.0805	6395	34§	23.6349	14.1706	23	4.0847	2.0564	6417	22	2.9744	14.2945
6340	40§	6.4597	22.7895	41§	11.1929	10.6489	6396	29	21.0814	16.9554	11	1.7041	4.9904	6418	13	4.9574	14.9330
6341	6	7.6064	22.1537				6397	19	21.5549	16.4529	14	2.1460	4.4626	6419	7	5.2998	14.8849
6342	7	8.0533	22.0947	5†	12.7951	9.9834	6398	13	21.9571	17.6122	12	2.6169	5.5953	6420	7	5.3255	14.6919
6343	9	8.3518	22.3716	9	13.0864	10.2607	6399	8	21.7547	18.8804	5	2.4928	6.8705	6421	17	5.5582	14.1469
6344	19	8.8610	22.8348	19	13.5911	10.7391	6400	8	22.7457	18.2366				6422	15	7.1234	14.4997
6345	15	9.8682	22.1348	17	14.6122	10.0534	6401	7	23.6206	19.3333	10	4.3828	7.2078	6423	6	7.8963	14.6437
6346	24§	11.9352	22.4748	25§	16.6748	10.4313	6402	9	23.9495	19.2341	12	4.7051	7.0892	6424	6	7.9787	14.4153
6347	16	11.9638	22.2584	18	16.7030	10.2139	6403	27§	24.1143	19.8487	19§	4.9061	7.6924	6425	4*	9.1056	14.5952
6348	15	12.0677	22.6132	19	16.8024	10.5718	6404	11	21.4941	20.2870	8	2.3242	8.2919	6426	17	11.4599	14.6351
6349	16	13.6981	22.2048	19	18.4387	10.1915	6405	5	22.5936	20.0551				6427	22	11.7178	14.0138
6350	17	15.0535	22.0400	14	19.7961	10.0488	6406	8	23.1102	20.9202				6428	8	12.7707	14.4274
6351	7	4.2448	23.2481	9	8.9696	11.0676	6407				11	4.5741	9.5623	6429			
6352	19	4.4553	23.9740	20	9.1669	11.7950	6408	5	22.6435	22.3478				6430	15†	14.5035	14.6847
6353	22	4.5642	23.6874	19	9.2784	11.5164	6409	5*	23.1967	22.7482	7	4.1685	10.6454	6431	25	14.8701	14.6158
6354	6	5.3999	23.1536	6†	10.1255	10.9960	6410	31§	21.6851	23.9928	16	2.7345	11.9783	6432	19	14.9957	14.3829
6355	7	8.3132	23.6541	6	13.0298	11.5442	6411	7	21.8664	23.0045	5	2.8562	10.9815	6433	22	15.7029	14.

1 *réseau* interval represents very nearly  $\xi = 49^{\text{s}}.2$  of R.A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 19 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 19 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>									R.A. 19 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 19 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>																
Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Plate 444. 1892, June 23.			Plate 2288. 1894, Oct. 16.										
6445	25	5.8308	15.1403	17	8.2453	2.9801	66 1155	9.5	6504	20	6.9231	18.5608	19	9.3050	6.4105	66 1162	8.7								
6446	30§	6.3382	15.2870	24§	8.7516	3.1299	66 1156	9.5	6505	37§	8.5629	18.7017	26§	10.9437	6.5667										
6447	33§	7.3888	15.9213	23§	9.7960	3.7741	66 1159	9.4	6506	18	9.8863	18.4544	14	12.2679	6.3309										
6448	19§	7.5861	15.8945						6507	7	10.8522	18.6728	7	13.2345	6.5609										
6449	47§	7.6733	15.8010	39§	10.0835	3.6597	66 1161	8.6	6508	13	16.1731	18.2213	13	18.5613	6.1614										
6450	17§	8.9133	15.5367	14	11.3246	3.4042			6509	23	16.7672	18.0201	10*	19.1953	5.0654										
6451	43§	9.6469	15.3842	29§	12.0606	3.2597	66 1166	9.1	6510	23§	20.8786	18.3541	24	23.2645	6.3406	66 1188	9.5								
6452	13	9.8830	15.9954	10	12.2880	3.8736			6511	13	20.9204	18.6417	7	23.3048	6.6287										
6453	4†	10.9847	15.6541	6	13.3933	3.5408			6512	28§	2.8004	19.8499	20§	5.1730	7.6595										
6454	11	11.8693	15.1673	9	14.2857	3.0666			6513	22	3.9075	19.5433	17	6.2824	7.3616	66 1153	9.5								
6455	9	12.2530	15.1068	10	14.6714	3.0101			6514	12	5.4645	19.4036	10	7.8359	7.2394										
6456	4†	13.4805	15.4426						6515	19	5.7082	19.3654	13	8.0844	7.2067										
6457	28§	16.0857	15.3587	24§	18.5005	3.2995	66 1177	9.5	6516	8	6.2293	19.8595	9	8.5976	7.7012										
6458	22§	16.8019	15.3521	16	19.2154	3.2985	66 1180	9.5	6517	19	6.5564	19.1863	10*	8.9333	7.0306										
6459	13	18.9836	15.8253	10*	21.3942	3.7910			6518	9	6.7787	19.1642	7	9.1560	7.0124										
6460	8	19.3228	15.7180	5*	21.7341	3.6863			6519	29§	7.2536	19.3798	22§	9.6283	7.2322	66 1157	9.5								
6461	8	19.4887	15.4022						6520	7	7.8072	19.0677	8	10.1846	6.9261										
6462	8	20.9430	15.4244						6521				6	10.5350	7.0599										
6463	16	22.0113	15.1243						6522	19	9.7471	19.8065	13	12.1167	7.6825										
6464	23	22.1935	15.8732	14	24.6058	3.8722			6523	4	10.5748	19.7192	4	12.9458	7.6024										
6465	6	3.9451	16.5841	4*	6.3451	4.4017			6524				7	13.1313	7.6199										
6466	13	7.8025	16.6226	9	10.2052	4.4800			6525	5	10.7953	19.4760	6	13.1744	7.3600										
6467	4†	8.7673	16.4339	5	11.1683	4.3056			6526	4†	11.3909	19.7546	7	13.7621	7.6474										
6468	18	8.9767	16.3841	14	11.3797	4.2535			6527	24§	11.8017	19.8829	20§	14.1733	7.7796										
6469				5	12.8502	4.5328			6528	18	12.4593	19.0259	15	14.8376	6.9304										
6470				6	13.8466	4.6853			6529	12	14.8483	19.0760	10	17.2251	7.0017										
6471	16	15.0025	16.7093	15	17.4047	4.6359			6530	30§	14.9532	19.0437	19	17.3328	6.9704	66 1175	9.5								
6472	14	16.3924	16.8083	12	18.7923	4.7488			6531	15	15.1569	19.9632	13	17.5253	7.8912										
6473	10	18.3475	16.9489	7	20.7456	4.9108			6532	15	15.2246	19.4870	10	17.5981	7.4171										
6474	64§	18.4178	16.2560	44§	20.8256	4.2160	66 1182	8.7	6533	3	15.4124	19.4199	3	17.7907	7.3523										
6475	7	19.6832	16.7158						6534	5	17.4504	19.9656	5	19.8183	7.9193										
6476	20	21.2808	16.7605	30	23.6822	4.7506			6535	6	18.3281	19.2011	6	20.7004	7.1609										
6477	12	22.9619	16.6272						6536	17	18.4410	19.0682	11*	20.8217	7.0301										
6478	7	23.4148	16.2870						6537	20	18.7837	19.8106	18	21.1554	7.7776	66 1183	9.5								
6479	64§	4.0827	17.4247	48§	6.4745	5.2479	66 1154	7.8	6538	10	18.8254	19.6205	10	21.2006	7.5867										
6480	12	6.7174	17.8559	10	9.1065	5.7063			6539	12	18.9618	19.6035	14	21.3343	7.5720										
6481	41§	7.4088	17.0239	32§	9.8046	4.8770	66 1160	8.8	6540	7†	19.4878	19.8942	7†	21.8528	7.8720										
6482	9	7.4062	17.7656	8	9.7946	5.6203			6541	14	19.5998	19.9361	11	21.9784	7.0100										
6483				5	9.8714	5.6541			6542	26§	19.9475	19.6790	23§	22.3253	7.0561										
6484	17	9.0529	17.2669	13	11.4474	5.1357			6543	22§	20.8445	19.7312	21	23.2154	7.7163										
6485	25§	9.4703	17.5449	20	11.8629	5.4193			6544	18§	21.7839	19.5881	13	24.1577	7.5810										
6486				8	12.6842	5.3502			6545	5	22.6825	19.9414													
6487	26§	10.6023	18.0007	18§	12.9872	5.8838	66 1168	9.5	6546				6	5.8552	8.6199										
6488	6	10.9592	17.4382	6	13.3537	5.3284			6547				7	7.2526	8.4295										
6489	16	12.6520	17.0682	10	15.0514	4.9747			6548	16	5.7538	20.1689	9	8.1196	8.0085										
6490	5	13.8517	17.1863	7	16.2479	5.1027			6549				7	8.3633	8.4634										
6491	5*	14.4378	17.8273	6	16.8267	5.7499			6550	13	7.6803	20.8564	9	10.0439	8.7143										
6492	5	14.7321	17.6787	5	17.1248	5.6025			6551	31§	8.4077	20.8653	21§	10.7661	8.7292										
6493				6	18.0143	5.6322			6552	18	8.5949	20.2806	14§	10.9622	8.1446										
6494	9	17.6788	17.3313	7	20.0738	5.2854			6553				5	12.3967	8.6673										
6495	17	17.8120	17.9500	12	20.2015	5.9070			6554	6	12.3513	20.5948	9	14.7150	8.4927										
6496	22	18.7277	17.2371	20	21.1251	5.2017			6555				10	16.8058	8.6781										
6497	20	20.0347	17.1044	14	22.4342	5.0812	66 1186	9.5	6556	9	16.2004	20.5641	8	18.5649	8.5047										
6498	36§	20.0724	17.7045	34§	22.4650	5.6815	66 1185	8.5	6557	9	16.2591	20.1484	11	18.6265	8.0898										
6499	28§	20.9737	17.8449	29§	23.3651	5.8304			6558	9	16.3406	20.1027	13	18.7087	8.0431										
6500	24§	22.1224	17.8791	22	24.5142	5.8753	66 1191	9.5	6559	6	16.4863	20.4624	4†	18.8505	8.4050										
6501	18	22.3576	17.7094	9	24.7533	5.7094			6560	16	16.7307	20.4401	15	19.0955	8.3863										
6502				8	3.4454	6.1660			6561	10	17.0648	20.8579	6	19.4276	8.8046										
6503	21	6.9196	18.5609	9	9.2992	6.4101			6562	8	18.8256	20.7057	12	21.1864	8.6704										

## ZONE + 66°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 19 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 19 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.									R.A. 19 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 19 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.																
Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°										
Plate 444. 1892, June 23.			Plate 2288. 1894, Oct. 16.			Plate 444. 1892, June 23.			Plate 2288. 1894, Oct. 16.			Plate 444. 1892, June 23.			Plate 2288. 1894, Oct. 16.										
6563	25	23°52'51"	20°20'09"	25	25°89'35"	8°21'12"			6622	11	11°57'30"	23°18'02"	7	13°9'113"	11°07'40"										
6564				11	5°19'29"	9°74'62"			6623	10	12°37'17"	23°72'49"	11	14°70'46"	11°62'77"										
6565				6	6°16'94"	9°16'48"			6624	10†	12°41'79"	23°82'71"	8	14°74'74"	11°73'07"										
6566	22	4°09'36"	21°07'70"	18§	6°44'98"	8°89'96"			6625	6†	13°53'48"	23°63'18"													
6567	17	4°64'05"	21°08'66"						6626	31§	14°07'11"	23°87'20"	25§	16°40'38"	11°79'05"	66 1174	9'4								
6568	9	5°55'01"	21°05'55"	10	7°89'76"	9°79'29"			6627	6	14°44'02"	23°26'09"	6	16°77'65"	11°18'36"										
6569	19§	7°54'45"	21°07'28"	13§	9°09'33"	8°92'80"			6628	13	15°15'96"	23°77'81"	13	17°49'27"	11°70'76"										
6570	20§	7°81'01"	21°49'15"	19§	10°16'48"	9°34'94"			6629	15	16°18'20"	23°51'67"	14	18°51'49"	11°45'82"										
6571				5	11°73'13"	9°83'82"			6630	6†	17°11'87"	23°22'15"	7	19°45'61"	11°17'04"										
6572	7	9°37'85"	21°02'38"	9	11°73'62"	8°89'77"			6631	6†	17°44'59"	23°21'37"	4*	19°78'33"	11°16'09"										
6573	10	10°36'24"	21°42'51"	11	12°71'55"	9°30'90"			6632	21§	19°23'38"	23°67'17"	19	21°56'80"	11°64'24"										
6574	11	10°42'55"	21°14'59"	10*	12°78'38"	9°02'89"			6633	18	19°60'66"	23°34'91"	18	21°94'22"	11°32'17"										
6575	6	10°95'03"	21°08'70"						6634	6	20°07'32"	23°82'75"	6†	22°40'28"	11°80'84"										
6576	32§	12°17'36"	21°16'41"	24§	14°53'14"	9°06'20"	66 1171	9'5	6635	8	20°54'26"	23°25'02"													
6577	22§	13°29'88"	21°18'61"	16§	15°65'54"	9°09'68"			6636	9	22°49'60"	23°06'34"													
6578	33§	13°48'73"	21°86'49"	21§	15°83'67"	9°77'82"	66 1173	9'5	6637	33§	22°77'00"	23°71'36"	24	25°10'52"	11°72'00"	66 1192	9'5								
6579	7	14°55'05"	21°70'51"	8	16°90'34"	9°63'02"			6638	53§	22°80'28"	23°51'10"	49§	25°13'75"	11°51'76"	66 1193	8'0								
6580	34§	15°24'78"	21°36'32"	23§	17°60'35"	9°29'32"	66 1176	9'5	6639				8	9°32'57"	12°57'78"										
6581	9	16°52'47"	21°40'88"	8	18°87'71"	9°35'24"			6640	31§	7°34'58"	24°61'50"	21	9°66'88"	12°46'85"	66 1158	9'5								
6582	16	16°61'01"	21°56'65"	14§	18°96'37"	9°51'07"			6641				5	10°91'56"	12°51'55"										
6583	13	20°57'81"	21°37'40"	8	22°93'47"	9°35'84"			6642	31§	9°11'96"	24°38'14"	22§	11°44'47"	12°25'24"	66 1164	9'3								
6584	15	20°87'49"	21°95'86"	9	23°22'60"	9°94'34"			6643	6	9°36'32"	24°17'90"	6	11°69'21"	12°05'15"										
6585	15	21°74'42"	21°62'57"	8	24°09'70"	9°62'06"			6644	20	12°24'10"	24°02'23"	15	14°56'91"	11°92'28"										
6586	7	3°44'55"	22°72'25"	9	5°78'76"	10°53'77"			6645				6†	14°64'38"	12°66'90"										
6587	12	3°51'57"	22°19'70"	11	5°86'40"	10°01'23"			6646	7	12°56'80"	24°17'54"	5	14°89'38"	12°08'17"										
6588	11	3°75'57"	22°59'00"	8	6°09'91"	10°41'03"			6647	47§	12°96'65"	24°10'95"	42§	15°29'47"	12°01'93"	66 1172	8'2								
6589	14	5°98'61"	22°44'01"	11	8°33'02"	10°28'10"			6648	19§	13°00'16"	24°49'24"	13	15°32'50"	12°40'15"										
6590				4†	8°32'36"	10°12'73"			6649	23§	14°60'25"	24°55'47"	18	16°92'78"	12°48'05"										
6591	6	6°29'74"	22°45'18"	6	8°64'26"	10°29'70"			6650	23	21°34'23"	24°85'42"	15	23°66'21"	12°84'62"										
6592	15	6°48'84"	22°01'83"	11	8°83'62"	9°86'56"			6651				12	7°15'76"	13°86'65"										
6593				6†	9°14'74"	10°36'04"			6652				12	7°16'22"	13°27'15"										
6594	11	7°41'23"	22°38'95"	11	9°75'93"	10°24'50"			6653				8†	7°40'28"	13°81'90"										
6595	23§	7°86'51"	22°43'08"	18	10°21'28"	10°28'93"			6654	24	5°33'61"	25°19'02"	19§	7°65'39"	13°02'18"										
6596	10	8°02'54"	22°27'67"	9	10°37'46"	10°13'84"			6655				6	9°21'40"	13°43'69"										
6597	6	9°61'55"	22°54'49"	6	11°95'81"	10°41'59"			6656				4	10°85'55"	13°74'10"										
6598	34§	10°17'21"	22°55'64"	25§	12°51'50"	10°43'98"	66 1167	9'2	6657				5†	11°05'60"	13°52'90"										
6599	5	10°51'97"	22°88'88"	6	12°86'52"	10°77'10"			6658				6	11°28'27"	13°72'91"										
6600	26§	11°13'56"	22°56'47"	22§	13°48'05"	10°45'57"	66 1170	9'5	6659	46§	10°63'35"	25°46'90"	44§	12°94'97"	13°35'19"	66 1169	8'0								
6601	19§	12°21'87"	22°51'93"	14	14°56'41"	10°42'07"			6660	19	10°82'95"	25°61'79"	13	13°14'43"	13°50'84"										
6602	22§	12°53'78"	22°34'16"	16§	14°88'39"	10°24'42"			6661	5†	11°78'59"	25°41'67"	4*	14°10'47"	13°31'08"										
6603	7	12°81'15"	22°83'78"	6	15°15'34"	10°74'35"			6662	7	12°04'98"	25°53'73"	7†	14°36'43"	13°43'65"										
6604	17	13°52'82"	22°60'62"	13	15°87'28"	10°52'11"			6663	29§	12°77'25"	25°90'08"	21	15°08'52"	13°80'77"										
6605	10	15°29'17"	22°90'97"	6	17°63'25"	10°84'06"			6664	9	13°07'03"	25°20'95"	8	15°38'58"	13°11'88"										
6606	22§	16°14'84"	22°61'03"	19§	18°49'35"	10°54'99"	66 1178	9'4	6665	22	15°04'14"	25°81'52"	15	17°35'54"	13°74'50"										
6607	10	17°11'51"	22°79'36"	9	19°45'70"	10°74'28"			6666	13	15°27'82"	25°84'56"	11	17°58'96"	13°77'85"										
6608	18	17°15'91"	22°23'09"	14§	19°50'56"	10°17'96"			6667	96§	16°26'41"	25°23'54"	73§	18°58'36"	13°17'42"	66 1179	7'5								
6609	23§	18°56'04"	22°89'63"	19	20°90'28"	10°85'97"			6668	18	16°44'69"	25°27'58"	11	18°76'53"	13°21'86"										
6610	36§	20°72'27"	22°88'04"	30§	23°06'48"	10°86'47"	66 1189	9'4	6669	9	16°55'16"	25°46'45"	10	18°86'55"	13°40'83"										
6611	20	21°32'12"	22°02'76"	21	23°67'08"	10°01'92"			6670	5	17°23'57"	25°22'03"	6†	19°55'58"	13°16'93"										
6612				9	5°51'17"	11°91'84"			6671	77§	19°00'11"	25°44'86"	58§	21°31'50"	13°41'47"	66 1184	8'2								
6613	6	5°45'47"	23°00'81"						6672	29§	20°51'35"	25°17'23"	20	22°83'50"	13°15'45"										
6614	3	5°47'03"	23°04'64"						6673	35§	20°85'49"	25°36'95"	24§	23°17'12"	13°35'65"	66 1190	9'5								
6615	12	5°47'92"	23°03'80"	11	7°81'49"	10°87'46"																			
6616	6	7°13'52"	23°57'72"	6†	9°46'76"	11°42'43"																			
6617				4	9°59'37"	11°40'81"																			
6618	31§	8°85'96"	23°59'15"	29§	11°19'41"	11°46'08"	66 1163	9'3					39§	13°61'43"	1°07'15"	65 1327	8'9								
6619	31§	9°15'19"	23°37'57"	26§	11°48'62"	11°24'81"	66 1165	9'3					57§	20°18'54"	1°19'06"	65 1335	8'0								
6620	7	9°44'78"	23°94'57"	7	11°77'54"	11°81'51"							29	21°89'69"	1°12'12"	65 1338	9'0								
6621	14	9°71'82"	23°26'23"	11	12°05'46"	11°13'80"							74§	26°50'16"	1°27'22"	65 1346	8'9								
													53§	26°90'11"	11°05'90"	66 1195	9'1								
																67 1114	8'8								



## ZONE + 66°.

R.A. 19 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 19 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup>								R.A. 19 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 19 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.									
Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°					
Plate 1236. 1893, June 24.				Plate 2289. 1894, Oct. 16.				Plate 1236. 1893, June 24.				Plate 2289. 1894, Oct. 16.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
6674	10	2.4784	14.7031				o	m.	6733	22	21.1884	16.2863				o	m.
6675	17	2.7661	14.9647						6734	7	22.5623	16.7552					
6676	11	3.4487	14.6748						6735	10	23.5215	16.7430					
6677	14	5.3729	14.7072						6736	14	23.8870	16.5202					
6678	13	5.4754	14.1696						6737	7	24.1153	16.7329					
6679	30 <sup>s</sup>	7.1046	14.3528	25	7.1964	2.3194	65 1358	9.5	6738	6	24.6453	16.3654					
6680	14	8.0126	14.7831						6739	98 <sup>s</sup>	25.0527	16.9797	87 <sup>s</sup>	25.1452	4.9612	66 1225	7.9
6681	23	9.5758	14.9986						6740	17	4.0152	17.2115	7	4.1064	5.1753		
6682	23	10.3121	14.9238	16	10.4063	2.8907			6741	18	4.4946	17.0215	6	4.5831	4.9847		
6683	59 <sup>s</sup>	14.6353	14.4620	42 <sup>s</sup>	14.7313	2.4358	65 1364	8.3	6742	13	4.8344	17.9900					
6684	5	15.5103	14.7098						6743	13	6.4831	17.6800	8	6.5714	5.6445		
6685	9	17.7806	14.4404						6744	6	6.5249	17.6906					
6686	16	20.6773	14.0624						6745	6	7.5485	17.4546	4*	7.6408	5.4167		
6687	13	21.2482	14.0905						6746	29 <sup>s</sup>	9.7937	17.9196	21	9.8835	5.8848	66 1204	9.5
6688	23 <sup>s</sup>	21.6918	14.2488						6747	29 <sup>s</sup>	12.2739	17.7303	20	12.3640	5.7005		
6689	32 <sup>s</sup>	22.6750	14.6757	26	22.7693	2.6573	65 1378	9.5	6748	15	12.9955	17.0681	8*	13.0843	5.0372		
6690	10	22.9619	14.3581						6749	47 <sup>s</sup>	13.5283	17.4637	37 <sup>s</sup>	13.6185	5.4342	66 1211	8.5
6691	23	24.8559	14.7200						6750	14	13.5349	17.4924	9	13.6244	5.4613		
6692	9	3.1823	15.8675						6751	7	14.1225	17.0001	4*	14.2134	4.9783		
6693	22 <sup>s</sup>	5.6804	15.3926	11	5.7703	3.3573			6752	14	14.7013	17.4299	13	14.7919	5.4009		
6694	22 <sup>s</sup>	5.7561	15.7142	13	5.8500	3.6768			6753	6	15.7308	17.4624					
6695	22 <sup>s</sup>	6.3323	15.8035	14	6.4242	3.7684			6754	19	17.7407	17.3180	12	17.8293	5.2939		
6696	7	6.3638	15.9579						6755	9	18.3941	17.6604	4†	18.4841	5.6381		
6697	12	8.9428	15.1066						6756	23	18.8248	17.7399	12	18.9147	5.7162		
6698	27 <sup>s</sup>	9.7982	15.9426	17	9.8916	3.9105			6757	23	19.6522	17.9116	16	19.7417	5.8898		
6699	30 <sup>s</sup>	9.8144	15.5199	25	9.9097	3.4838	66 1205	9.5	6758	9	20.1048	17.5705	3†	20.1952	5.5493		
6700	6	10.4246	15.3516	4*	10.5149	3.3181			6759	16	21.4946	17.7451	9	21.5821	5.7271		
6701	14	11.6763	15.4128	9	11.7677	3.3818			6760	30 <sup>s</sup>	21.5660	17.3352	28	21.6551	5.3176		
6702	14	13.6948	15.5973	12	13.7863	3.5671			6761	6	21.8137	17.8067					
6703	5	14.2665	15.6664	4*	14.3637	3.6349			6762	14	22.7794	17.1901					
6704	10	17.3361	15.9089						6763	7	23.3156	17.5556					
6705	18	18.2420	15.3511	10	18.3347	3.3274			6764	24	25.0977	17.5004					
6706	32 <sup>s</sup>	18.8156	15.8295	19	18.9090	3.8028	66 1220	9.5	6765	24	25.6463	17.5001					
6707	13	19.8027	15.0490						6766	11	2.7848	18.5745					
6708	5	20.6338	15.4073						6767	16	3.1581	18.0015					
6709	46 <sup>s</sup>	20.8259	15.7105	45 <sup>s</sup>	20.9201	3.6874	66 1222	9.2	6768	6	3.9483	18.6901					
6710	5	20.8834	15.9355						6769	8	4.4779	18.4707					
6711	27	21.6845	15.9912						6770	8	6.2014	18.6232	4	6.2895	6.5854		
6712	7	21.8612	15.3109						6771	21	7.4096	18.8136	17	7.4989	6.7778		
6713	8	21.8975	15.2288						6772	8	7.4979	18.5276					
6714	15	21.9353	15.2290						6773	17	7.5457	18.9807	8	7.6344	6.9430		
6715	7	22.6443	15.3308						6774	28 <sup>s</sup>	7.8342	18.8175	24 <sup>s</sup>	7.9217	6.7803	66 1201	9.5
6716	15	23.1751	15.3495						6775	5	8.4327	18.0920	4†	8.5246	6.0535		
6717	12	23.8104	15.7982						6776	20	9.6227	18.2696	14	9.7097	6.2377		
6718	13	2.4386	16.7543						6777	14	10.3055	18.1219	6	10.3972	6.0894		
6719	9	2.8155	16.3906						6778	18	10.9021	18.4121	8	10.9898	6.3804		
6720	20	2.8670	16.0807						6779	30 <sup>s</sup>	11.0339	18.9905	20	11.1209	6.9578	66 1207	9.1
6721	28	3.3238	16.0717						6780	27 <sup>s</sup>	11.5140	18.6480	22 <sup>s</sup>	11.6016	6.6157	66 1208	9.5
6722	15	4.7565	16.7878						6781	11	14.6074	18.5681	6	14.6957	6.5398		
6723	13	9.7981	16.6005	6	9.8894	4.5660			6782	9	15.4984	18.2528	6	15.5888	6.2205		
6724	17	10.0032	16.8791	13	10.0965	4.8452			6783	25 <sup>s</sup>	15.8421	18.7603	18	15.9289	6.7326		
6725	4	10.8104	16.2131						6784	30 <sup>s</sup>	16.7150	18.8199	26	16.8035	6.7914	66 1218	9.5
6726	9	10.8456	16.0602						6785	6	17.7453	18.9301					
6727	6	12.5897	16.7446						6786	7	19.0255	18.6905	2	19.1170	6.6697		
6728	11	14.3659	16.1623	3	14.4596	4.1308			6787	23	20.3366	18.2326	10	20.4260	6.2122		
6729	48 <sup>s</sup>	15.9649	16.5328	36 <sup>s</sup>	16.0576	4.5038	66 1216	8.9	6788	9	21.1195	18.9792					
6730	24	17.1545	16.8655	22	17.2465	4.8379			6789	11	21.5101	18.9482	4†	21.5987	6.9253		
6731	23	20.7515	16.4498	10	20.8438	4.4269			6790	16	22.1680	18.3932	10	22.2571	6.3756		
6732	9	21.1171	16.4522						6791	7	22.2371	18.8603					

1 réseau interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.

## Z O N E + 66°.

R.A. 19 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 19 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 19 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 19 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. +66° Plate 1236. 1893, June 24.				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 2289. 1894, Oct. 16.				Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. +66° Plate 1236. 1893, June 24.				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 2289. 1894, Oct. 16.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.				Mag.				No.				Mag.			
6792	7	23°37'48	18°43'81				°	6851	10	17°65'90	21°18'08	5†	17°74'79	9°15'60	°
6793	10	24°8'338	18°42'30				m.	6852	15	18°57'30	21°22'40	14	18°65'86	9°20'01	
6794	32§	25°26'78	18°94'02	14	25°35'77	6°92'47		6853	23	18°65'97	21°12'65	12	18°74'55	9°10'19	
6795	15	25°38'60	18°30'77					6854	13	19°78'57	21°60'14	12	19°86'72	9°57'98	
6796	6	5°78'28	19°63'04	3†	5°87'00	7°59'19		6855	28§	19°88'17	21°42'29	22	19°96'65	9°40'13	66 1221
6797	14	7°9'135	19°66'00					6856	8	20°12'74	21°42'96	4*	20°21'35	9°40'88	9'3
6798	10	8°35'81	19°78'92	5†	8°44'48	7°75'26		6857	10	23°31'76	21°42'68	5*	23°40'09	9°41'12	
6799	27§	9°88'87	19°29'94	20§	9°97'76	7°26'48		6858	23	3°97'06	22°88'30	11	4°05'42	10°84'39	
6800	22	10°71'01	19°53'53	10	10°79'53	7°50'14		6859	13	9°31'33	22°33'23	8	9°39'79	10°29'74	
6801	16	11°23'54	19°65'89	9	11°32'35	7°62'56		6860	16	9°40'58	22°97'23	9	9°49'03	10°93'87	
6802	9	11°86'19	19°03'46	6	11°94'82	6°99'98		6861	10	9°81'40	22°40'06	6	9°89'75	10°36'49	
6803	8	13°87'13	19°11'95	5†	13°95'82	7°08'85		6862	6	12°58'59	22°11'51				
6804	29§	17°79'81	19°59'11	23	17°88'57	7°56'91	66 1219	6863	14	12°70'38	22°44'45	7	12°78'87	10°41'31	
6805	23	18°62'59	19°44'83	16	18°71'39	7°42'54	9'5	6864	13	14°78'52	22°89'30	5	14°87'03	10°86'62	
6806	21	20°55'55	19°18'08	12	20°64'30	7°16'12		6865	10	15°88'12	22°29'94	3	15°96'45	10°27'32	
6807	17	20°64'41	19°00'37					6866	8	16°37'21	22°75'80	5	16°45'39	10°73'07	
6808	7	21°52'42	19°57'49					6867	30	17°82'12	22°39'06	22	17°90'56	10°36'83	
6809	23	22°31'01	19°03'14	10	22°39'49	7°01'62		6868	25	20°62'91	22°66'76	19	20°71'25	10°64'92	
6810	16	23°56'21	19°07'90					6869	12	22°05'40	22°22'63				
6811	62§	25°93'61	19°89'07	65§	26°02'08	7°87'75	66 1226	6870	29	22°44'38	22°90'08	26	22°52'49	10°88'27	66 1223
6812	8	2°50'68	20°38'24	4†	2°59'62	8°34'50	8'4	6871	59§	22°49'41	23°00'28	41§	22°57'68	10°98'53	9'1
6813	18	3°46'35	20°96'39	10	3°54'90	8°92'12		6872	24	24°60'65	22°87'15	11	24°68'76	10°85'58	
6814	13	4°60'64	20°33'60	6	4°69'23	8°29'29		6873	49§	3°20'48	23°02'98	37§	3°28'74	10°98'90	66 1195
6815	11	4°86'58	20°07'00	6†	4°95'31	8°02'78		6874	16	4°26'21	23°76'24	9	4°34'47	11°72'31	9'1
6816	23§	6°24'37	20°89'92	21	6°32'95	8°85'98	66 1199	6875	17	5°44'92	23°75'70	9	5°53'31	11°71'95	
6817	7	6°32'52	20°86'97	4†	6°41'04	8°83'10	9'5	6876	30§	5°86'20	23°21'84	22§	5°94'58	11°17'98	66 1198
6818	19	7°41'70	20°76'03	11	7°50'19	8°72'31		6877	39§	7°29'49	23°64'63	31§	7°37'96	11°60'95	9'5
6819	12	8°59'89	20°33'87	7	8°68'56	8°30'31		6878	34§	8°58'84	23°78'92	25§	8°66'89	11°75'46	66 1200
6820	24§	9°19'34	20°66'11	18	9°27'67	8°62'86		6879	43§	9°30'83	23°08'85	32§	9°39'38	11°05'21	9'1
6821	19	11°59'87	20°82'96	16	11°68'54	8°79'96		6880	8	9°62'91	23°91'05	3	9°71'08	11°87'67	66 1202
6822	36§	11°81'35	20°68'33	31§	11°90'10	8°65'26	66 1209	6881	10	11°58'89	23°16'96	5	11°67'31	11°13'74	9'0
6823	13	12°00'67	20°66'70	5	12°09'35	8°63'59	9'1	6882	9	12°21'53	23°23'09				
6824	5	12°44'61	20°70'43	3*	12°53'48	8°67'41		6883	8	12°55'72	23°06'84	4†	12°63'83	11°03'73	
6825	28§	13°15'58	20°51'02	22§	13°24'12	8°48'09		6884	11	12°73'35	23°16'85	5	12°81'20	11°13'73	
6826	11	14°03'49	20°86'28					6885	15	14°73'36	23°25'00				
6827	6	14°41'63	20°39'72	5†	14°50'47	8°36'64		6886	28	15°61'53	23°13'29	24	15°69'78	11°10'66	
6828	43§	16°35'40	20°32'84	35§	16°43'98	8°29'95	66 1217	6887	7	15°61'52	23°03'96	4*	15°69'88	11°01'57	
6829	6	16°55'94	20°16'33	4†	16°64'54	8°13'59	9'3	6888	10	16°18'53	23°52'20	5	16°27'17	11°49'49	
6830	8	18°70'43	20°23'78	6	18°78'87	8°21'41		6889	17	17°19'46	23°56'37	6	17°27'82	11°54'14	
6831	18	20°16'39	20°84'82	16	20°24'98	8°82'58		6890	9	17°89'76	23°84'73				
6832	14	25°11'97	20°90'92					6891	6	18°69'55	23°53'46	3†	18°77'89	11°50'87	
6833	25	3°45'44	21°80'74	20	3°53'97	9°76'62		6892	12	19°59'34	23°81'24	5	19°67'47	11°79'04	
6834	28	4°34'40	21°93'70	22	4°43'22	9°89'70	66 1197	6893	9	20°17'53	23°20'09	4	20°25'81	11°18'13	
6835	7	4°49'87	21°92'52	4	4°58'62	9°88'71	9'5	6894	37§	23°56'51	23°18'95	25	23°64'38	11°17'20	66 1224
6836	7	8°09'62	21°58'84	3†	8°18'40	9°55'18		6895	32	3°80'51	24°26'54	19	3°88'70	12°22'23	66 1196
6837	23	8°29'53	21°10'19	15	8°38'03	9°07'05		6896	11	6°78'37	24°82'69	6	6°86'70	12°78'86	9'5
6838	5	8°31'83	21°47'43	3†	8°40'87	9°43'93		6897	17	7°54'28	24°55'20	10	7°62'33	12°51'71	
6839	4	8°43'40	21°23'97					6898	15	8°32'70	24°07'48				
6840	12	8°70'75	21°54'09	6	8°79'60	9°50'72		6899	31§	9°92'57	24°34'88	14§	10°00'82	12°31'66	
6841	10	8°81'34	21°11'57	4†	8°90'02	9°07'97		6900	12	10°14'40	24°84'00	9	10°22'65	12°80'58	
6842	12	9°27'42	21°59'40	6	9°35'83	9°56'04		6901	9	10°76'25	24°89'44	3†	10°84'30	12°85'64	
6843	6†	9°51'19	21°03'67	4*	9°59'63	9°00'12		6902	11	11°80'22	24°14'74	4	11°88'34	12°11'60	
6844	7†	9°52'98	21°03'85	3†	9°61'46	9°00'37		6903	9	12°40'32	24°88'02	5	12°48'32	12°84'96	
6845	18	10°15'85	21°38'92	8	10°24'33	9°35'48		6904	16	13°48'60	24°45'17	8	13°56'76	12°42'29	
6846	5	10°20'01	21°59'07	3*	10°28'51	9°55'42		6905	22	15°98'16	24°06'37				
6847	4	10°97'74	21°78'17	3*	11°06'17	9°74'73		6906	20	16°03'21	24°22'38	6	16°11'11	12°19'82	
6848	9	11°55'39	21°97'99	5	11°63'61	9°94'72		6907	25	17°28'53	24°51'15	15	17°36'61	12°48'56	
6849	6	12°07'49	21°05'74	3†	12°16'33	9°02'62		6908	28	19°20'40	24°32'42	19	19°28'74	12°30'04	
6850	9	12°53'69	21°35'49	5	12°62'43	9°32'35		6909	35	20°36'53	24°69'22	23	20°44'61	12°67'10	

Plates 1236, 2289. No. 6811 is measured also on Plates 2290, 2251.

1 réseau interval represents very nearly 5' = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.



## ZONE + 66°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
No.							No.						
Mag.							Mag.						
R.A. 19 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 19 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>							R.A. 19 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 19 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> — <i>contd.</i>						
Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°							Centre R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°						
Plate 1236. 1893, June 24. Plate 2289. 1894, Oct. 16.							Plate 2290. 1894, Oct. 16. Plate 2251. 1894, Sept. 28.						
6910	28	22°46'06"	24°11'14"	11	22°54'10"	12°09'18"	6955	268	6°65'52"	16°28'92"	19	4°32'30"	4°41'18"
6911	12	22°50'20"	24°29'62"				6956	10	9°65'15"	16°14'72"	4*	7°31'50"	4°24'52"
6912	18	8°29'23"	25°06'03"				6957	13	10°64'44"	16°07'30"	4*	8°30'67"	4°16'33"
6913	24	8°39'54"	25°43'78"	17	8°47'59"	13°39'94"	6958	7	10°65'06"	16°43'73"	3*	8°31'82"	4°52'80"
6914	24	12°25'33"	25°34'45"	10	12°33'30"	13°31'23"	6959	4	14°69'40"	16°05'31"			
6915	24	14°53'55"	25°09'45"	7	14°61'40"	13°06'71"	6960	4	15°93'46"	16°59'13"			
6916	23	14°89'46"	25°53'06"	6	14°97'25"	13°50'52"	6961	4	17°84'66"	16°24'25"			
6917	4†	14°99'96"	25°21'98"				6962	8	21°20'53"	16°29'59"			
6918	438	15°26'41"	25°73'96"	328	15°34'28"	13°71'04"	6963	13	6°03'76"	17°09'25"			
6919	9	16°42'20"	25°44'38"				6964	13	6°48'48"	17°43'16"	4*	4°16'16"	5°55'86"
6920	14	18°01'97"	25°02'39"	7	18°10'03"	13°00'06"	6965	19	6°62'19"	17°50'55"	6	4°29'80"	5°63'08"
6921	14	20°34'51"	25°34'86"	9	20°42'06"	13°32'66"	6966	4	6°86'52"	17°59'25"			
6922	13	22°27'75"	25°60'77"	7	22°35'73"	13°59'14"	6967	398	8°06'10"	17°59'96"	388	5°73'68"	5°70'88"
							6968	15	10°86'02"	17°19'11"	7	8°53'37"	5°27'90"
							6969	368	12°93'58"	17°80'38"	348	10°61'47"	5°86'97"
							6970	10	13°67'77"	17°67'18"	4	11°35'48"	5°73'50"
							6971	11	13°76'20"	17°39'64"	4*	11°43'74"	5°45'74"
							6972	10	14°08'47"	17°19'38"	4†	11°75'80"	5°25'52"
							6973	6	16°10'20"	17°28'06"	2*	13°77'53"	5°32'19"
							6974	4†	19°50'38"	17°20'53"			
							6975	4	22°46'48"	17°25'39"			
							6976	6	23°43'44"	17°87'41"			
							6977	24	24°39'06"	17°25'85"	13	22°06'53"	5°23'21"
							6978	21	4°77'80"	18°32'07"	4†	2°46'16"	6°46'05"
							6979	388	6°10'63"	18°29'07"	328	3°78'92"	6°41'77"
							6980	14	7°49'20"	18°95'77"	5	5°18'08"	7°07'20"
							6981	9	9°33'55"	18°40'03"			
							6982	4†	9°41'60"	18°18'01"			
							6983	6	10°34'64"	18°41'76"			
							6984	298	10°50'60"	18°01'78"	21	8°18'70"	6°10'60"
							6985	4†	10°91'44"	18°06'44"			
							6986	9	11°40'46"	18°04'43"	7	9°08'64"	6°12'69"
							6987	11	11°41'01"	18°11'43"	4	9°09'34"	6°19'75"
							6988	4†	11°90'47"	18°91'98"			
							6989	11	11°96'45"	18°16'65"	4*	9°64'50"	6°24'49"
							6990	9	12°57'53"	18°67'45"	2*	10°26'32"	6°74'77"
							6991	10	19°74'42"	18°01'75"	4†	17°42'47"	6°02'74"
							6992	408	21°00'28"	18°58'21"	408	18°68'60"	6°58'25"
							6993	16	22°79'33"	18°82'42"	6	20°48'16"	6°81'31"
							6994	468	4°32'22"	19°73'39"	438	2°01'48"	7°87'42"
							6995	6†	4°36'59"	19°68'46"			
							6996	11	7°80'36"	19°78'14"	2*	5°49'80"	7°89'39"
							6997	4	8°96'20"	19°77'86"	5*	7°62'63"	7°14'07"
							6998	13	9°93'57"	19°04'87"			
							6999	3	10°03'50"	19°58'31"			
							7000	4	10°70'86"	19°08'61"			
							7001	12	10°80'61"	19°21'24"			
							7002	13	10°94'44"	19°67'61"	6	8°63'85"	7°76'17"
							7003	9	11°36'54"	19°66'35"	3*	9°06'11"	7°74'59"
							7004	5	15°31'50"	19°26'46"			
							7005	8	16°03'95"	19°40'65"	4*	13°73'28"	7°45'03"
							7006	8	16°22'48"	19°26'28"	3*	13°91'29"	7°30'54"
							7007	698	18°72'55"	19°30'03"	568	16°41'70"	7°32'03"
							7008	10	19°15'29"	19°85'45"	4*	16°84'60"	7°87'12"
							7009	628	21°63'51"	19°82'60"	488	19°32'86"	7°82'27"
							7010	238	23°37'62"	19°14'67"	18	21°06'58"	7°12'87"
							7011	8	23°76'37"	19°10'33"	19	21°29'97"	7°64'13"
							7012	7	23°87'91"	19°59'91"	4*	21°45'31"	7°08'34"

ZONE + 66°.

R.A. 19 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 19 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.									R.A. 19 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 19 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.												
Centre		R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Plate 2290. 1894, Oct. 16.		Centre		R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Plate 2290. 1894, Oct. 16.		Plate 2251. 1894, Sept. 28.	
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.					
									No.	Mag.										No.	Mag.
7013	12	24.7809	19.7773	7†	22.4741	7.7484	66	1261	9.5	7072	34	13.4380	23.4805	16	11.1658	11.5448	66	1245	9.5		
7014	26	25.1348	19.4379	20	22.8254	7.4063				7073	13	14.1865	23.1797	4*	11.9101	11.2398					
7015	4	25.1206	19.6338							7074	22	15.7999	23.2319	15	13.5227	11.2770	66	1249	9.5		
7016	27	4.4775	20.6662	14	2.1837	8.8049				7075	14	16.8639	23.0713	5†	14.5855	11.1108					
7017	29	6.5589	20.7490	16	4.2627	8.8701	66	1230	9.5	7076	42§	18.2075	23.7959	36§	15.9355	11.8205	66	1252	8.8		
7018	5	6.7155	20.5485							7077	5	18.4790	23.7991	3*	16.2099	11.8204					
7019	26§	8.4353	20.7725	18§	6.1389	8.8783	66	1234	9.5	7078	49§	18.7814	23.6703	43§	16.5077	11.6893	66	1254	8.4		
7020	6	10.8280	20.0249							7079	13	24.7917	23.1266	7	22.5155	11.0984					
7021	22§	11.8741	20.0023	14	9.5720	8.0803	66	1241	9.4	7080	26	10.4070	24.5852	13	8.1423	12.6754	66	1236	9.5		
7022	22	13.7503	20.9736	18	11.4556	9.0353	66	1246	9.0	7081	20	14.4247	24.2318	7	12.1586	12.2896					
7023	9	14.5678	20.1932	9	12.2676	8.2510				7082	13	15.2138	24.1332	5†	12.9467	12.1842					
7024	13	14.5719	20.2012	15	12.2685	8.2552	66	1247	9.5	7083	10	5.9877	25.5709	12	3.7310	13.6993					
7025	4	14.6952	20.0501							7084	20	7.9782	25.0898	12	5.7173	13.2006	66	1232	9.5		
7026	7	15.0935	20.7156	2*	12.7948	8.7664				7085	17	8.7600	25.8200	11	6.5041	13.9236					
7027	10	15.2758	20.0592	5†	12.9746	8.1094				7086	23	12.7597	25.0958	15	10.5001	13.1658					
7028	21	15.3425	20.1417	15	13.0397	8.1919	66	1248	9.5	7087	18	13.1768	25.5758	6	10.9224	13.6438					
7029	4	15.3581	20.7288							7088	5†	14.4170	25.8144	4*	12.1653	13.8735					
7030	4	16.9263	20.4901							7089	6	15.0706	25.3013	3	12.8088	13.3522					
7031	4	17.3067	20.1459							7090	6†	21.7274	25.0459	6	19.4667	13.0429					
7032	7	17.4229	20.0494							7091	28	24.1877	25.0629	19	21.9258	13.0378	66	1260	9.5		
7033	11	17.4894	20.1604	5	15.1867	8.1918					63§	3.2352	16.8900	70§	0.9040	5.0397	66	1225	7.9		
7034	5	17.5718	20.8911								54§	12.8358	26.3163				66	1244	8.7		
7035	4†	17.7063	20.8218								55§	25.5835	20.3785				66	1262	8.3		
7036	23§	17.9841	20.4345	21	15.6848	8.4614	66	1251	9.5		54§	15.8084	26.3460				66	1250	8.0		
7037	14	19.3863	20.6101							R.A. 19 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 20 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup>											
7038	15	23.4035	20.5134	6	21.1031	8.4970				Centre	R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°							
7039	25	24.0448	20.4491	16	21.7439	8.4265				Plate 2338. 1894, Nov. 8. Plate 2251. 1894, Sept. 28.											
7040	25	4.7088	21.7520	4†	2.4234	9.8907				7092	10	5.1702	14.9003								
7041	7	6.7150	21.4180	3†	4.4225	9.5405				7093	5	4.3093	16.0957								
7042	5	8.5147	21.1747							7094	5	5.8553	16.5207								
7043	9	8.7297	21.5957	3*	6.4396	9.7018				7095	10	5.4614	17.1819								
7044	8†	9.2925	21.0522	6†	6.9992	9.1534				7096	9	5.5891	17.5130								
7045	28§	9.3255	21.1029	17§	7.0336	9.2017	66	1235	9.4	7097	6	6.4679	17.7907								
7046	42§	10.5026	21.7435	31§	8.2150	9.8336	66	1239	9.0	7098	19	5.3528	18.3604								
7047	5†	10.9542	21.8429							7099	7	6.4257	19.2029								
7048	39§	12.0337	21.8700	29§	9.7472	9.9448	66	1242	8.8	7100	28	4.0624	20.1924	19	23.2533	8.2848					
7049	6	15.7623	21.6193	3*	13.4694	9.6661				7101	53§	4.0948	20.2472	35§	23.2826	8.3415	66	1262	8.3		
7050				15	15.6563	9.0015				7102	7	4.4244	22.4114								
7051	17	18.3646	21.2009	6	16.0712	9.2273				7103	15	5.6057	22.8152								
7052	14	19.2153	21.9350	15	16.9280	9.9534				7104	16	4.9451	23.9850	10	23.8921	12.1266	66	1263	9.5		
7053	6	19.6035	21.3237							7105	23	5.3187	23.2352	11	24.3133	11.4042	66	1264	9.3		
7054	3	20.9051	21.2459							7106	21	5.7785	23.1745	11	24.7762	11.3735					
7055	4†	23.1378	21.8264							7107	23	6.3674	23.1384	6*	25.3651	11.3727					
7056	29§	4.6395	22.4889	20	2.3614	10.6273	66	1227	8.7		56§	1.1277	14.5304				65	1418	8.4		
7057	12	8.4997	22.7033	4†	6.2205	10.8124				R.A. 20 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 20 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup>											
7058	4	10.2136	22.9179							Centre	R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°			R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°							
7059	20	13.3741	22.2152	9	11.0903	10.2786				Plate 2338. 1894, Nov. 8. Plate 1416. 1893, Sept. 2.											
7060	27§	14.3414	22.3305	15	12.0565	10.3887				7108	40§	10.7071	14.0167	51§†	5.8341	2.0986	65	1428	9.5		
7061	21	14.8435	22.9071	15	12.5654	10.9601				7109	16	10.9083	14.2564	21	6.0399	2.3379					
7062	8	15.0407	22.2996	3†	12.7551	10.3500				7110	22	12.8352	14.2907	22	7.9681	2.3405					
7063	15	15.1410	22.8806	5	12.8620	10.9317															
7064	6	15.4556	22.3509																		
7065	12	15.6453	22.4788	3†	13.3635	10.5270															
7066	13	16.4932	22.6872	4	14.2127	10.7278															
7067	7	17.3347	22.8203	3*	15.0547	10.8512															
7068	7	21.8154	22.8974	3†	19.5338	10.8955															
7069	17	5.9353	23.4842	5†	3.6599	11.6113															
7070	4†	6.8041	23.4772																		
7071	4†	10.6036	23.2468																		

Nos. 7013, 7014. It is doubtful which of these stars should be identified with  
B. D. 66° 1261.

Plate 1416, No. 7108. The 3<sup>m</sup> image falls on a defect in the film, and is therefore not measurable.

1 réseau interval represents very nearly  $\zeta' = 40^{\text{s} \cdot 2}$  of R. A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s} \cdot 2}$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 20 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 20 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 20 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 20 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2338. 1894, Nov. 8.				R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1416. 1893, Sept. 2.				Centre R.A. 20 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 2338. 1894, Nov. 8.				R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1416. 1893, Sept. 2.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	

## ZONE + 66°.

R.A. 20 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> to 20 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>									R.A. 20 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 20 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>																
Centre R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°					Centre R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°												
Plate 2279. 1894, Oct. 14.				Plate 1416. 1893, Sept. 2.					Plate 2279. 1894, Oct. 14.				Plate 2310. 1894, Oct. 28.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
								Mag.									Mag.								
7221	22	6.9167	23.2587	27	23.5754	11.4023	°	m.	7270	8	13.1584	18.2289				°	m.								
7222	11†	6.9184	23.5505	15	23.5591	11.6972			7271	6	14.2317	18.3417													
7223	7*	6.9429	23.1394	10	23.6050	11.2862			7272	13	18.7372	18.3166	14	11.6403	6.2243	66 1300	9.5								
7224	10†	7.2637	23.7426	14	23.8934	11.9011			7273	13	18.7420	18.3157	10	11.6491	6.2226										
7225	4*	7.2730	23.9214	6	23.8930	12.0816			7274	6	18.7621	18.5565													
7226	6	7.8918	23.3308	11	24.5423	11.5283			7275	6	18.9577	18.3441													
7227	5	8.4867	23.5465						7276	19	19.7825	18.9392	15	12.7002	6.8242										
7228				6†	21.5301	12.2802			7277	7	19.9629	18.0429													
7229	4*	5.6868	24.5513	8	22.2749	12.6279			7278	12	20.0866	18.1257	9†	12.9902	6.0003										
7230				7	23.0831	12.3236			7279	41§	20.1562	18.7308	35§	13.0726	6.6063	66 1302	8.9								
7231				9	20.4624	13.8971			7280	12	14.2581	19.0937													
7232	39§	6.3014	25.2204	45§	22.8483	13.3257	66 1283	9.4	7281	29§	15.0471	19.7333	23	7.9865	7.7203	66 1293	9.5								
									7282	14	15.7859	19.4436	5*	8.7194	7.4150										
	59§	1.3266	23.3476				66 1278	8.7	7283	28§	19.4282	19.5963	26§	12.3641	7.4859	66 1301	9.3								
	55§	8.5033	27.2994				66 1285	9.0	7284	14	20.0788	19.3275	7	13.0045	7.2041										
									7285	5†	24.3558	19.8361	6*	17.2909	7.6202										
									7286	10	9.0331	20.2478													
									7287	22§	10.1669	20.5201	26	3.1274	8.6126										
									7288	6	14.4564	20.3232													
									7289	21§	15.2140	20.4114	17	8.1701	8.3951	66 1294	9.1								
									7290	33§	15.3186	20.8974	28	8.2847	8.8779	66 1295	9.4								
									7291	26§	15.3780	20.1706	18	8.3276	8.1495	66 1296	9.5								
									7292	12	18.7409	20.2207													
									7293	9	20.5566	20.1007													
									7294	24§	16.4014	21.6508	15	9.3804	9.6089										
									7295	19	17.4902	21.4607	9†	10.4675	9.3934										
									7296	26§†	22.0005	21.2657	20	14.9706	9.0993	66 1305	9.5								
									7297	4*	23.5140	21.3865	3*	16.4875	9.1936										
									7298	35§	11.2140	22.5937	36§	4.2161	10.6640	66 1289	9.1								
									7299	43§	11.2304	22.1201	46§	4.2258	10.1907	66 1290	8.7								
									7300	10	11.6088	22.7016	3	4.6126	10.7676										
									7301	7	11.6455	22.8971													
									7302	5	13.5252	22.8647													
									7303	6	13.5941	22.8130													
									7304	6†	14.8741	22.7597													
									7305	10	17.5440	22.1979													
									7306	6	19.7897	22.5047													
									7307	7	21.4501	22.2609	3*	14.4412	10.1062										
									7308	7*	21.4900	22.6953	3*	14.4870	10.5394										
									7309	12	21.7271	22.7387	5	14.7295	10.5792										
									7310	29§	23.5650	22.2542	26	16.5575	10.0401	66 1309	9.5								
									7311	30§	9.5121	23.8377	28§	2.5417	11.9457	66 1287	9.5								
									7312	39§	10.1217	23.8635	27§	3.1522	11.9589	66 1288	9.2								
									7313	37§	12.6603	23.1969	32§	5.6752	11.2363	66 1291	9.4								
									7314	51§	14.9172	23.6362	49§	7.9429	11.6228	66 1292	7.3								
									7315	30§	16.9488	23.2432	22	9.9641	11.1877	66 1298	9.5								
									7316	9	21.6956	23.4628	5†	14.7137	11.3038										
									7317	4	10.4808	24.7616													
									7318	9	11.6861	24.6113	4*	4.7329	12.6725										
									7319	11	13.2218	24.5112	10	6.2653	12.5361										
									7320	40§	16.6858	24.6088	31§	9.7327	12.5587	66 1297	9.3								
									7321	9	16.8548	24.8883	7†	9.9059	12.8357										
									7322	14	17.9508	24.8999													
									7323	12	20.3347	24.9500	14	13.3859	12.8198										
									7324	11	9.1808	25.4812													
									7325	9	13.0786	25.3580	3*	6.1412	13.3862										
									7326	8†	15.5260	25.2018	5*	8.5860	13.1755										
									7327	16	18.2072	25.1646	14	11.2648	13.0819										
									7328	55§	23.2649	25.3082	36§	16.3243	13.1114	66 1307	9.1								

1 réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.



## ZONE + 66°.

R.A. 20 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 20 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.									
Centre R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					
Plate 2279. 1894, Oct. 14.				Plate 2310. 1894, Oct. 28.				Plate 2308. 1894, Oct. 25.				Plate 2311. 1894, Oct. 28.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
7329	80§	23°35'61	25°6'743	47§	16°42'33	13°47'56	66° 1308	m.	7367	24§	22°05'48	15°6'796	20	12°34'95	3°59'99	°	m.
7330	5*	23°59'41	25°43'20	4*	16°65'52	13°22'72			7368	7	12°53'53	16°86'16	4	2°87'52	5°09'77		
	52§	19°89'61	27°13'00				66 1303	8.8	7369	16	13°43'29	16°08'27	9	3°74'65	4°28'69		
R.A. 20 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup>								R.A. 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>									
Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					
Plate 2308. 1894, Oct. 25.				Plate 2310. 1894, Oct. 28.				Plate 2308. 1894, Oct. 25.				Plate 2311. 1894, Oct. 28.					
7331	17	6°69'27	14°57'78	8*	21°37'69	2°56'66	°	m.	7377	93§	13°91'27	17°44'65	109§	4°27'05	5°63'22	66 1318	5.5
7332	45§	7°16'46	14°11'49	44§	21°87'26	2°13'05	65 1485	8.4	7378	22§	17°55'49	17°89'05	16	7°92'40	5°95'99	66 1323	9.4
7333	45§	8°88'53	14°67'66	55§	23°56'45	2°77'68	65 1488	8.8	7379	19	19°51'04	17°59'03	15	9°86'95	5°59'57		
7334	26§	3°67'15	15°17'85	22	18°32'89	3°02'03	65 1481	9.5	7380	4	19°92'84	17°31'22	2*	10°27'96	5°30'32		
7335	6	4°80'19	15°01'73						7381	22	23°65'46	17°34'75	13	14°00'32	5°21'51	66 1332	9.5
7336	12	6°24'46	15°19'75	5*	20°90'04	3°16'21			7382	27§	17°54'28	18°23'71	25	7°92'14	6°30'48	66 1322	9.3
7337	6	7°90'41	15°38'45						7383	23§	17°68'92	18°21'52	20	8°06'96	6°27'72	66 1324	9.5
7338	4	10°30'17	15°29'03						7384	8	20°92'41	18°70'21	7	11°31'95	6°65'72		
7339	42§	11°82'02	15°74'24	43§	26°44'19	3°98'57	65 1494	8.9	7385	33§	23°08'70	18°14'05	29§	13°46'23	6°02'77	66 1330	8.8
7340	11	9°14'37	16°48'25						7386	8	23°93'63	18°81'06	8	14°33'47	6°67'00		
7341	9	9°32'44	16°29'30						7387	9	24°50'51	18°34'00	8	14°88'72	6°17'67		
7342	5	10°73'40	17°32'16						7388	32§	12°44'25	19°09'25	31§	2°85'39	7°32'85	66 1314	9.0
7343	9	10°59'48	18°52'19						7389	10	14°55'79	19°42'45	9	4°98'33	7°59'03		
7344	9	11°24'60	18°25'25						7390	12	15°54'11	19°46'91	9	5°96'41	7°60'15		
7345	6	8°50'07	19°29'26						7391	14	16°06'96	19°32'03	13	6°48'77	7°43'66		
7346	5	9°49'64	19°37'47						7392	7	24°25'22	19°57'12	7	14°67'43	7°42'08		
7347	4	11°50'12	19°71'90						7393	25§	12°46'58	20°64'98	24	2°93'23	8°88'33	66 1315	8.6
7348	13	10°54'54	20°67'17						7394	49§	12°55'47	20°54'82	42§	3°01'35	8°77'80	66 1316	8.3
7349	10	11°31'72	20°49'84						7395	12	13°98'59	20°13'25	12	4°43'52	8°31'74		
7350	17	6°66'24	21°84'98	12	20°98'49	9°83'00			7396	5	19°04'87	20°66'75	5	9°50'98	8°68'46		
7351	8	8°06'58	21°81'06	4*	22°38'75	9°86'43			7397	13	20°26'69	20°47'89	12	10°72'03	8°45'51		
7352	5	5°46'20	22°40'23	4	19°75'66	10°32'44			7398	22	23°46'52	20°73'02	14	13°92'38	8°60'29		
7353	11	10°20'68	22°19'02	4*	24°50'45	10°34'75			7399	23§	15°19'51	21°57'43	23	5°69'00	9°71'77	66 1320	9.5
7354	6	6°14'80	23°05'03	4*	20°41'05	11°00'47			7400	35§	16°12'12	21°77'45	37§	6°61'94	9°88'79	66 1321	8.6
7355	12	11°74'89	23°45'92						7401				7	11°60'72	9°10'93		
7356	17	5°93'56	24°77'89	18	20°11'24	12°72'14	66 1310	9.5	7402				4	11°61'04	9°54'98		
7357	8	6°07'34	24°43'10	11	20°26'57	12°38'09			7403	11	22°01'94	21°39'00	9	12°50'41	9°31'07		
7358	40§	8°52'66	25°17'06	31§	22°68'22	13°24'04	66 1312	9.1	7404	4	22°71'91	21°77'61	5	13°21'38	9°67'26		
7359	11	10°56'91	25°20'78	6*	24°71'75	13°37'94			7405	10	24°01'46	21°72'82	14	14°50'45	9°58'20	66 1333	9.2
				49	26°89'61	7°36'48	66 1314	9.0	7406	21	24°02'41	21°71'50	18	14°51'43	9°56'94		
				17	26°83'74	8°92'37	66 1315	8.6	7407	11	12°56'67	21°83'39	11	3°07'22	10°06'39	66 1317	9.5
				59§	26°93'49	8°82'21	66 1316	8.3	7408	14	18°16'61	22°65'99	12	8°69'25	10°70'47		
	75§	2°28'36	25°72'01				66 1308	8.2	7409	26	20°34'45	22°71'19	15	10°87'14	10°68'57		
	54§	10°06'87	25°87'26				66 1313	8.1	7410	7	21°24'67	22°49'57	5	11°76'50	10°44'01		
R.A. 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>								R.A. 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup>									
Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					
Plate 2308. 1894, Oct. 25.				Plate 2311. 1894, Oct. 28.				Plate 2308. 1894, Oct. 25.				Plate 2311. 1894, Oct. 28.					
7360	21	13°50'72	14°97'97	18	3°78'68	3°18'14	°	m.	7417	4	15°53'57	23°67'23	5	6°09'87	11°80'22		
7361	24	14°32'61	14°10'02	21	4°57'71	2°27'60	65 1501	9.5	7418	8	16°09'48	23°12'19	8	6°63'84	11°23'49		
7362	19	18°49'39	14°41'25	13	8°74'98	2°45'28			7419	6	16°63'45	23°82'59	5	7°20'12	11°92'25		
7363	21§	19°87'82	14°99'20	18	10°15'46	2°98'60			7420	18	17°37'95	23°54'10	12	7°93'43	11°61'08		
7364	9	24°58'38	14°90'07	8	14°85'28	2°74'37	65 1513	9.5	7421	47§	17°65'42	23°70'17	36§	8°21'32	11°76'23	66 1325	9.2
7365	14	13°65'80	15°52'41	8	3°95'71	3°72'37			7422	8	20°31'51	23°60'24	10	10°87'30	11°57'99		
7366	36§	16°94'47	15°80'04	34§	7°24'49	3°89'01	65 1504	9.0	7423	7	20°54'45	23°06'81	7*	11°08'36	11°03'77		
									7424	12	22°96'24	23°16'51	14	13°50'37	11°05'16		
									7425				3	4°64'16	12°71'25		

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

ZONE + 66°.

R.A. 20 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> —contd.								R.A. 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 21 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> —contd.														
Centre R.A. 20 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°										
Plate 2308. 1894, Oct. 25.				Plate 2311. 1894, Oct. 28.				Plate 522. 1892, April 29.				Plate 2311. 1894, Oct. 28.										
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.							
							No.								No.							
							Mag.															
7426	55§	17'9357	24'8514	52§	8'5334	12'9031	66° 1326	m.	7476	10	7'6650	21'3120	4	19'6152	9'4027	o	m.					
7427				9	8'5486	12'9193		7'7	7477	53§	7'6864	21'1700	38§	19'6450	9'2614	66 1340	8'7					
7428	18	19'0311	24'3603	17	9'6131	12'3778	66 1327	9'5	7478	14	9'9456	21'9120	6	21'8757	10'0878							
									7479	16	13'9728	21'9099										
				54§	2'1229	3'9985	65 1494	8'9	7480	23	6'5458	22'7911	8	18'4452	10'8402							
				97§	3'6269	1'6959	65 1499	7'0	7481	27§	8'3245	22'3097	17	20'2366	10'4215	66 1342	9'2					
									7482	17	9'2071	22'6465	7	21'1067	10'7906							
									7483	11	12'8545	22'7568										
									7484	9	12'9966	22'3107										
									7485	29§	13'1656	22'4198	21	25'0735	10'7104	66 1348	9'3					
									7486	7	3'3661	23'0600	4	15'2560	10'9938							
									7487	21	4'6662	23'6207	14	16'5353	11'6003							
									7488	8	5'1060	23'9595	6	16'9619	11'9514							
									7489	10	5'7322	23'1123	4†	17'6158	11'1317							
									7490	23	7'3859	23'6006	7	19'2553	11'6805							
									7491	9	7'7148	23'5120	3	19'5856	11'6011							
									7492	14	13'2284	23'8490										
									7493	10	5'6246	24'2877	6	17'4671	12'2991							
									7494	23	5'7358	24'1251	15	17'5854	12'1417							
									7495	12	8'5044	24'9582	6	20'3205	13'0786							
									7496	9	5'5855	25'5912	4	17'3789	13'6017							
									7497	6	10'9497	25'4092										
										45§	1'3940	18'1686	70§	26'0959	6'0193	66 1350	7'6					
																66 1330	8'8					
R.A. 20 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 21 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup>								R.A. 21 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup>														
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°										
Plate 522. 1892, April 29.				Plate 2311. 1894, Oct. 28.				Plate 522. 1892, Aug. 29.				Plate 2312. 1894, Oct. 28.										
7429	8	5'9607	14'9445				o	m.	7498	22	15'2737	14'3401	8†	3'0955	2'4346	o	m.					
7430	31§	9'2085	14'9818	18	21'3880	3'1348	65 1523	9'5	7499	24	16'0319	14'1003	9	3'8425	2'1625	65 1534	9'5					
7431	16	10'5060	14'8274						7500	14	19'2559	14'7080										
7432	8	11'2567	14'2301						7501	13	21'7482	14'8332										
7433	56§	12'0939	14'2077	59§	24'3033	2'4625	65 1531	8'3	7502	11	23'0638	14'9237										
7434	20	12'5365	14'1928						7503	14	23'8083	14'2874										
7435	16	3'2834	15'1807	9	15'4628	3'1166			7504	13	24'3565	14'9316										
7436	26§	4'6671	15'9741	16	16'8134	3'9581	65 1515	9'5	7505	28	25'0054	14'0206	15	12'8095	1'6998	65 1555	9'5					
7437	26§	9'5148	15'9459	15	21'6593	4'1075	65 1524	9'5	7506	40§	18'9367	15'4702	33	6'8057	3'4070	65 1541	8'9					
7438	32§	11'0690	15'6133	15	23'2239	3'8334	65 1529	9'5	7507	13	19'1219	15'2521										
7439	21§	3'1066	16'7021	14	15'2286	4'6286			7508	25	19'3779	15'0351	15	7'2297	2'9549							
7440	12	4'5444	16'5757						7509	14	20'0762	15'0231										
7441	24§	5'1535	16'6707	16	17'2735	4'6748	66 1335	9'2	7510	22§	22'4271	15'9634	16	10'3151	3'7507							
7442	12	6'7872	16'8124						7511	4†	23'6869	15'0382										
7443	10	7'6804	16'3403						7512	18	14'0132	16'5906										
7444	22§	8'2760	16'8145	10	20'3903	4'9305	66 1341	9'4	7513	19	15'5474	16'8999	7	3'4832	4'9821							
7445	5	9'5224	16'3918						7514	8	20'3764	16'9999										
7446	9	10'5628	16'6912						7515	7	20'9233	16'3806										
7447	13	10'6238	16'2207						7516	10	23'2200	16'9186										
7448	28§	11'5251	16'3701	17	23'6529	4'6048	66 1345	9'5	7517	12	23'3711	16'5518										
7449	11	3'6549	17'9406	5†	15'7315	5'8867			7518	11	23'4836	16'7318										
7450	8	4'4753	17'8541						7519	10	23'9028	16'4987										
7451	11	5'1639	17'8806	5	17'2397	5'8840			7520	6	24'0437	16'2830										
7452	20§	5'6148	17'5157	8	17'7040	5'5339			7521	17§	24'4041	16'5005	4	12'3128	4'2017							
7453	7	6'0546	17'3697						7522	12	24'9864	16'8607	6	12'9098	4'5364							
7454	11	7'3035	17'3791						7523	68§	14'0152	17'6929	69§	1'9814	5'8409	66 1350	7'6					
7455	21	11'3450	17'4829	6	23'4329	5'7098			7524	14	19'1529	17'9723	7	7'1283	5'8999							
7456	17	11'8553	17'8701	4†	23'9315	6'1198	66 1346	9'3	7525	7	19'7061	17'0899										
7457	16	12'1784	17'6876																			
7458	21	5'2967	18'3501	11	17'3588	6'3543																
7459	21	5'9060	18'8221	12	17'9497	6'8512																
7460	7	9'0256	18'2836																			
7461	51§	9'0330	18'2697	40§	21'0939	6'4107	66 1343	7'7														
7462	18	13'7483	18'4383				66 1349	9'4														
7463	13	13'7829	18'2409																			
7464	19	3'9284	19'8261	7	15'9363	7'7815																
7465	7	5'1853	19'7617																			
7466	31§	5'9470	19'0209	19§	17'9848	7'0512	66 1337	9'5														
7467	51§	9'1949	19'6406	39§	21'2048	7'7866	66 1344	8'7														
7468	10	13'5422	19'0199																			
7469	14	13'8922	19'9964																			
7470	31§	6'4279	20'5006	24§	18'4106	8'5464	66 1338	8'8														
7471	21§	6'4634	20'8632	11	18'4307	8'9112																
7472	19	10'4317	20'1847	10	22'4222	8'3793																
7473	21§	11'9579	20'1989	14	23'9492	8'4469	66 1347	9'5														
7474	33§	4'2053	21'6561	24	16'1460	9'6197	66 1334	9'5														
7475	26§	5'3448	21'0676	21	17'3038	9'0706	66 1336	9'3														

1 réseau interval represents very nearly  $\zeta' = 49^{\text{s}}.2$  of R. A. at Dec. + 66°, and  $51^{\text{s}}.2$  at Dec. + 67°.



## ZONE + 66°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.								R.A. 21 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> —contd.									
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 522. 1892, Aug. 29.				R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2312. 1894, Oct. 28.				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° Plate 522. 1892, Aug. 29.				R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2312. 1894, Oct. 28.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.		
7526	3	20°5257	17°8489					7585	34§	16°1379	25°1579	26§	4°4272	13°2075	66°1353	m.	
7527	11	21°3755	17°3226					7586	34§	20°0728	25°3409	25§	8°3660	13°2242	66°1358	9°3	
7528	15	22°2367	17°7408	4	10°2025	5°5354		7587	12	20°5783	25°2448	7	8°8667	13°1046			
7529	12	24°2194	17°3793					7588	6	20°6903	25°9015						
7530	23	19°2968	18°2054	11	7°2850	6°1248		7589	42§	22°5248	25°4415	26§	10°8193	13°2161			
7531	24	20°2081	18°0233	21	8°1852	5°9018			80§	25°0618	17°7683				66°1366	6°8	
7532	5	21°3764	18°2879						76§	26°6594	26°8407				66°1371	8°2	
7533	29§	22°0643	18°8001	19	10°0712	6°5989	66 1362	9°5	R.A. 21 <sup>h</sup> 9 <sup>m</sup> 10 <sup>s</sup> to 21 <sup>h</sup> 19 <sup>m</sup> 40 <sup>s</sup>								
7534	4	23°7432	18°9188	3*	11°7540	6°6496			Centre R.A. 21 <sup>h</sup> 18 <sup>m</sup> Dec. + 66° Plate 1587. 1893, Nov. 9.				R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2312. 1894, Oct. 28.				
7535	24	17°2005	19°6513	13	5°2503	7°6600			7590	27	14°8656	13°9946					
7536	35§	17°3393	19°8205	33§	5°3970	7°8237	66 1356	9°1	7591	32	3°5776	15°1173	31	13°3652	2°8631	65°1558	9°5
7537	7	17°6351	19°0355						7592	10	3°9998	15°9707	8	13°7596	3°7327		
7538	27§	18°7549	19°5044	18	6°7980	7°4438			7593	7	5°6535	15°9899	6*	15°4114	3°8030		
7539	23	19°2091	19°6792	14	7°2575	7°5995			7594	55§	6°3521	15°3309	52§	16°1305	3°1678	65°1562	7°7
7540	15	21°4275	19°0618	5	9°4497	6°8908			7595	9	7°3842	15°0381	6*	17°1748	2°9097		
7541	32§	23°2532	19°3937	24	11°2856	7°1415			7596	13	7°7154	15°4571					
7542	21	24°1643	19°4104	8	12°1957	7°1195			7597	22	8°8354	15°5475	29	18°6065	3°4655	65°1566	9°2
7543	11	24°4270	19°1425	5	12°4500	6°8422			7598	10	13°6472	15°6057					
7544	10	14°4807	20°9240						7599	7	5°1254	16°2178	6	14°8771	4°0139		
7545	14	16°3558	20°1780	4	4°4294	8°2211			7600	33§	5°8590	16°4194	35§	15°6038	4°2390	66°1373	8°8
7546	8	17°7852	20°4306						7601	63§	7°4044	16°3888	58§	17°1497	4°2563	66°1375	8°0
7547	22	18°1757	20°3602	13	6°2572	8°3253			7602	32	7°9952	16°9299	28	17°7232	4°8190	66°1379	9°1
7548	10	18°2131	20°8297						7603	68§	11°3797	16°5699	66§	21°1183	4°5666	66°1383	7°8
7549	11	18°4673	20°6386						7604	5	11°8827	16°4227					
7550	6	18°6628	20°2550						7605	29	13°0014	16°8501	30	22°7278	4°8986	66°1386	9°3
7551	29§	18°9471	20°0778	21	7°0150	8°0066			7606	75§	3°3183	17°7022	58§	13°0241	5°4403	66°1366	6°8
7552	12	20°7798	20°9818						7607	38§	5°4916	17°1983	38§	15°2111	5°0028	66°1370	8°3
7553	30§	22°0958	20°5109	20	10°1800	8°3093	66 1363	9°4	7608	9	8°3354	17°6334					
7554	9	22°7070	20°3200	4	10°7800	8°0892			7609	7	10°4833	17°6395	5*	20°1862	5°6092		
7555	14	22°8675	20°5803	8	10°9537	8°3428			7610	41§	12°4703	17°7507	48§	22°1697	5°7805	66°1384	9°0
7556	35§	23°0170	20°7426	24§	11°1079	8°4999	66 1364	9°5	7611	39§	5°8052	18°6830	30§	15°4780	6°5005	66°1372	9°0
7557	9	23°3592	20°6947						7612	9	6°4717	18°7067	7	16°1422	6°5466		
7558	11	24°5250	20°2555						7613	5	11°2952	18°6045	3*	20°9649	6°6005		
7559	5†	24°6586	20°3760	4†	12°7308	8°0616			7614	27	13°0020	18°3037	29	22°6828	6°3529		
7560	37§	16°0050	21°3700	30§	4°1288	9°4291	66 1352	9°4	7615	7	13°5854	18°3608	5†	23°2644	6°4289		
7561	7	17°4207	21°1046						7616	57§	13°8238	18°2793	64§	23°5050	6°3537	66°1389	8°3
7562	14	24°6259	21°1611	6	12°7340	8°8494			7617	26	7°9445	19°3039	19	17°5945	7°1902	66°1378	9°3
7563	18	24°6945	21°0666	8	12°7993	8°7509			7618	22	15°8812	19°5471					
7564	12	14°6622	22°0546						7619	28	6°8769	20°4105	24	16°4926	8°2630	66°1374	9°5
7565	25§	16°8190	22°7842	18	5°0021	10°8054	66 1355	9°5	7620	9	7°3562	20°0098	5	16°9853	7°8748		
7566	19	16°9708	22°6064	16	5°1469	10°6249			7621	9	7°3774	20°1758	8†	17°0010	8°0433		
7567	4	17°4563	22°9106						7622	33§	15°1445	20°0495	36	24°7683	8°1667	66°1391	9°5
7568	41§	19°2429	22°2032	31§	7°4002	10°1233	66 1357	9°0	7623	21	3°8892	21°3641	15	13°4761	9°1184		
7569	13	21°5342	22°5076	7	9°7031	10°3283			7624				8	13°5675	9°3826		
7570	26§	23°3252	22°5361	16	11°4936	10°2801			7625	12	10°1585	21°4259	9	19°7418	9°3868		
7571	47§	23°9757	22°2216	40§	12°1294	9°9368	66 1365	8°6	7626	29	13°3893	21°1635	24	22°9787	9°2241	66°1387	9°2
7572	30§	24°6002	22°4506	18	12°7630	10°1379			7627	40§	4°1781	22°2339	31§	13°7384	9°9971	66°1368	9°4
7573	22	24°7282	22°5211	12	12°8938	10°2016			7628	26	5°9764	22°3303	21	15°5308	10°1522		
7574	23§	15°8448	23°4322	17	4°0617	11°4956			7629	13	6°0784	22°1914	9	15°6367	10°0184		
7575	34§	20°7295	23°0613	22§	8°9253	10°9166	66 1359	9°1	7630	22	9°7464	22°6375	17	19°2903	10°5802		
7576	22	22°0289	23°6915	9	10°2476	11°4910			7631	7	10°0078	22°9148	7	19°5422	10°8657		
7577	7	14°5151	24°8305						7632	37§	10°4238	22°2288	26§	19°9807	10°1925	66°1381	9°3
7578	13	14°6135	24°5172						7633	22	11°4356	22°8302	17	20°9725	10°8275	66°1382	9°5
7579	42§	16°4956	24°0996	35§	4°7391	12°1339	66 1354	9°1	7634	29	12°7338	22°5147	25	22°2789	10°5534	66°1385	9°4
7580	21	17°2172	24°6012	13	5°4812	12°6061											
7581	15	18°7564	24°7208	7	7°0258	12°6569											
7582	8	19°9229	24°0330	3*	8°1598	11°9180											
7583	52§	21°2814	24°9079	42§	9°5531	12°7349	66 1360	8°8									
7584	29§	14°8595	25°0695	22	3°1447	13°1746	66 1351	9°5									

1 reseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.

ZONE + 66°.

[illegible]

Plate 2313, No. 7708. The 6<sup>min.</sup> image is on the *réseau* line, and has therefore not been measured. The diameter and co-ordinates given are those of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly  $5' = 49^{\text{s}}.2$  of R. A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{s}}.2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 21 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 21 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> — <i>contd.</i>								R.A. 21 <sup>h</sup> 26 <sup>m</sup> 40 <sup>s</sup> to 21 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> — <i>contd.</i>								
Centre R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.				R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2313. 1894, Oct. 28.				Centre R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.				R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2313. 1894, Oct. 28.				
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	
7732	13	3°0831	18°6932	11	10°2831	6°5055	° m.	7791	54§	8°5396	23°3912	47§	15°6212	11°3313	66° 1412 8°4	
7733	10	8°3183	18°1289	6	15°5250	6°0646		7792	7	9°1919	23°5283	7	16°2748	11°4813		
7734	9	8°6596	18°0143					7793	20	9°8397	23°4363	14	16°9243	11°4080	66 1417 9°	
7735	22	9°5887	18°2772	17	16°7946	6°2443		7794	45§	10°9708	23°5410	36§	18°0513	11°5373	66 1418 8°9	
7736	16	10°8476	18°0614	11	18°0572	6°0572		7795	12	12°1483	23°7387	10	19°2238	11°7649		
7737	10	14°7056	18°3292					7796	42§	18°1167	23°2483	40§	25°2032	11°4183	66 1428 8°8	
7738	17	15°7475	18°7592	9†	22°9409	6°8720		7797	40§	9°2884	24°6154	31§	16°3447	12°5714	66 1414 9°0	
7739	10	16°1392	18°3283					7798	13†	11°2035	24°9907	11	18°2458	12°9910		
7740	5	17°6459	18°5218					7799	7	11°3390	24°7858	7	18°3906	12°7907		
7741	16	17°9204	18°2791					7800	21	15°1039	24°9222	14	22°1498	13°0208		
7742	4	18°1435	18°3543					7801	29	15°2314	24°0403	21	22°2968	12°1410		
7743	29§	7°0989	19°0493	25	14°2885	6°9543		7802	5	17°1570	24°7154	4†	24°2051	12°8684		
7744	21	7°6322	19°3513	15	14°8142	7°2699		7803				4	12°2073	13°7132		
7745	4	7°7402	19°5600	6*	14°9134	7°4791		7804	24	7°6919	25°2308	19	14°7318	13°1509		
7746	29§	9°3093	19°6836	26	16°4841	7°6437		7805	6*	9°5079	25°2114	5	16°5495	13°1719		
7747	5	9°3953	19°0539					7806				4	19°3126	13°7760		
7748	9	12°0636	19°4102	6*	19°2410	7°4394		7807	24	14°4489	25°5398	20	21°4790	13°6227		
7749	11	14°1693	19°0724	4*	21°3574	7°1501		7808	17	15°0068	25°4129	13	22°0390	13°5090		
7750	17	15°8561	19°6917	14	23°0252	7°8100	66 1424 9°4									
7751	19	16°2220	19°0478	10	23°4117	7°1696						111§	26°4473	1°0690	65 1634 7°6	
7752	6	17°0177	19°0792						67§	1°5277	16°8550				66 1404 7°8	
7753	21	18°1841	19°2525						120§	1°7488	18°6638				66 1405 5°5	
7754	38	3°4086	20°6187	26	10°5641	8°4369	66 1406 9°4	R.A. 21 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup>								
7755	24	4°2078	20°8630	18	11°3518	8°6994		Centre R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.			R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.			Centre R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66° Plate 1588. 1893, Nov. 9.		
7756	39	4°3127	20°9418	24§	11°4564	8°7804	66 1408 9°3	7809	8	20°4256	14°6324				° m.	
7757	18	5°1007	20°7815	15	12°2495	8°6394		7810	39§	22°4665	14°8403	43§	5°4944	2°7263	65 1643 8°7	
7758	21	8°3813	20°9891	15	15°5248	8°9250		7811	43§	22°6200	14°5594	61§	5°6289	2°4344	65 1644 8°6	
7759	4	10°3457	20°2363	3†	17°5095	8°2213		7812	14	23°2376	14°7514	6	6°2607	2°5992		
7760	16	12°1589	20°4303	13	19°3145	8°4602		7813	31	23°2892	14°1501	32	6°2808	1°9915	65 1646 9°5	
7761	29§	14°6125	20°8630	22	21°7562	8°9501	66 1423 9°5	7814	32	24°8830	14°7176	31	7°8990	2°4680	65 1650 9°5	
7762	26§	16°9837	20°9391	20	24°1233	9°0814		7815	18	22°6976	15°0489	10	5°7349	2°9216		
7763	13	18°0915	20°2231					7816	11	23°8515	15°2878	6†	6°9012	3°0996		
7764	23	18°9078	20°1098	10	26°0672	8°3019	66 1431 9°4	7817	18	20°0351	16°3132	10	3°1491	4°3304		
7765	101§	3°7313	21°4604	82§	10°8651	9°2831	66 1407 6°5	7818	17	21°2066	18°5028	12	4°4420	6°4513		
7766	7*	6°8427	21°2289	6	13°9785	9°1286		7819	36	23°7249	18°6014	30§	6°9585	6°4111	66 1434 9°5	
7767	22	12°2190	21°7152	15	19°3444	9°7443	66 1420 9°5	7820	21	22°4400	19°0596	21	5°7033	6°9411		
7768	15	12°7697	21°6231	10	19°8959	9°6663		7821	11	23°0261	19°8900	14	6°3346	7°7375		
7769	11	13°1133	21°8231	5*	20°2349	9°8770		7822	11	19°1195	20°3614	5	2°4589	8°4274		
7770	38§	15°9807	21°2006	33	23°1142	9°3200	66 1425 9°3	7823				4†	4°6883	8°6599		
7771	28	17°4094	21°3984	19	24°5402	9°5492		7824	28	21°4529	20°6185	25	4°8032	8°5534		
7772	20	3°7439	22°2126	18	10°8610	10°0371		7825	22	23°7226	20°8705	17	7°0812	8°6780		
7773	14	3°8225	22°1442	11	10°9378	9°9688		7826	27	22°2306	21°0131	25§	5°6035	8°9043		
7774	8	5°3242	22°5062	11	12°4294	10°3703		7827	16	22°7381	21°0752	16	6°1099	8°9391		
7775	15	10°6437	22°7776	12	17°7435	10°7665		7828				9	5°3217	9°7473		
7776	12	11°2182	22°2385	9	18°3306	10°2436		7829	12	24°0838	21°7714	12	7°4960	9°5554		
7777	28	11°6920	22°3817	18	18°8031	10°3998	66 1419 9°4	7830				5	7°5519	9°4306		
7778	15	12°1920	22°0506	11	19°3091	10°0803		7831	38	24°2890	21°9576	29§	7°7064	9°7303	66 1436 9°4	
7779	37§	13°3277	22°7806	32§	20°4249	10°8336	66 1422 8°8	7832	12	19°1691	22°4112	13	2°6260	10°4708		
7780	10	15°3443	22°8190					7833	13	19°3764	22°6714	14	2°8451	10°7203		
7781	11	17°1647	22°0590	3*	24°2812	10°2081		7834				4†	4°2906	10°4401		
7782	36§	17°6881	22°2718	25	24°7987	10°4318	66 1427 9°3	7835	14†	22°6453	23°0262	16	6°1268	10°8888		
7783	7*	3°7805	23°5797	10	10°8602	11°4067		7836				10	6°7292	10°6282		
7784				5	10°8612	11°1106		7837	47	24°2881	22°5009	36§	7°7361	10°2755	66 1437 9°2	
7785	19	4°0470	23°4284	15	11°1321	11°2603		7838	11†	19°4437	23°8526	13	2°9782	11°8954		
7786	12	5°5700	23°8175	12	12°6438	11°6882		7839				9	5°1541	11°9983		
7787				8	13°9260	11°5980										
7788	17	6°8595	23°6948	12	13°9372	11°5926										
7789	20	6°9902	23°6515	18	14°0678	11°5575										
7790	9†	8°0408	23°3932	9	15°1248	11°3230										

Nos. 7787, 7788. This is a close double star, the components of which are not separated on Plate 1588.

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.

## ZONE + 66°.

R.A. 21 <sup>h</sup> 40 <sup>m</sup> 10 <sup>s</sup> to 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> —contd.									R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.								
Centre R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 66°				R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°					Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				
Plate 1588. 1893, Nov. 9.				Plate 2316. 1894, Oct. 28.					Plate 2777. 1895, Aug. 6.				Plate 2316. 1894, Oct. 28.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
7840	15	21°7687	23°1788	15	5°2611	11°0907	°	m.	7886	6	9°5372	15°1572				°	m.
7841	34§	23°7118	23°7270	25§	7°2352	11°5306	66 1435	9·1	7887	24§	9°8221	15°2307	29	14°8078	3°1640	65 1670	9·5
7842	41§	20°0435	24°6160	39§	3°6201	12°6246	66 1432	9·5	7888	38§	11°0679	15°8975	40§	16°0446	3°8461	65 1675	9·0
7843				9	3°8048	12°2290			7889	9	11°5088	15°2335					
7844				10	4°2515	12°1127			7890	6	12°7345	15°6422					
7845				4	6°3194	12°6859			7891	10	13°2260	15°3129					
7846				4†	2°6443	13°1639			7892	22	13°5143	15°3726	9	18°4991	3°3627		
7847	17	19°3829	25°1798	16	2°9927	13°2205			7893	13	15°1395	15°0899	5*	20°1252	3°1040		
7848				5†	6°0252	13°9395			7894	6	15°4561	15°6585					
7849				10	7°4352	13°5443			7895	14	16°0746	15°9095	8*	21°0519	3°9344		
									7896	6	16°4353	15°6334					
				53§	1°5606	5°8773	66 1429	9·0	7897	10	16°5917	15°8242					
				42§	1°6181	11°3607	66 1428	8·8	7898	9	16°6719	15°7542					
	61§	26°5666	15°2242				65 1654	8·2	7899	13	16°7293	15°0611					
	112§	27°0205	18°2175				66 1441	6·4	7900	6	17°2614	15°2374					
	58	26°1094	23°8861				66 1438	8·7	7901	27	18°1587	15°5490	35§	23°1404	3°6101	65 1701	9·4
	38	20°9655	26°8262				66 1433	9·0	7902	6	18°9334	15°0953					
									7903	13	19°7766	15°4021					
									7904	14	20°1477	15°4680					
									7905	25	20°8245	15°1896				65 1709	9·5
									7906	9	20°9494	15°6707					
									7907	17	3°7037	16°6005	15	8°6654	4°4407		
									7908	6	3°9826	16°6552					
									7909	3	6°0921	16°7754					
									7910	10	6°7577	16°3095					
									7911	18§	8°1360	16°7203	16	13°0987	4°6255		
									7912	17	8°4802	16°8725	9*	13°4387	4°7849		
									7913	3	9°5437	16°7040					
									7914	24	10°1850	16°7916	19	15°1457	4°7274		
									7915	5	11°1456	16°6177					
									7916	26	12°7275	16°2101	22	17°7005	4°1863	65 1681	9·5
									7917	8	12°7333	16°4235	6†	17°012	4°3993		
									7918	62§	12°8146	16°6207	58§	17°7777	4°5980	66 1455	7·5
									7919	13	13°4343	16°8305	12	18°3922	4°8182		
									7920	19§	13°7241	16°1907	18	18°6942	4°1856	65 1686	9·4
									7921	35§	13°9043	16°4742	38§	18°8697	4°4684	65 1687	9·5
									7922	7	14°8626	16°5920					
									7923	5	17°6454	16°7993					
									7924	13	18°1224	16°0381					
									7925	5	18°2867	16°5414					
									7926	4†	18°4644	16°6094					
									7927	7	19°1646	16°3853					
									7928	7	19°3357	16°6948					
									7929	4†	19°5651	16°2279					
									7930	9	19°5979	16°3650					
									7931	10	20°7450	16°6573					
									7932	4	4°7226	17°9341					
									7933	20§	5°0733	17°9006	27§	10°0159	5°7628		
									7934	27§	5°2766	17°4431	26	10°2266	5°3067	66 1440	9·5
									7935	85§	5°2832	17°9787	83§	10°2258	5°8432	66 1441	6·4
									7936	21§	5°2962	17°9463	18	10°2420	5°8084		
									7937	5	6°8362	17°6936					
									7938	6	7°2523	17°7227					
									7939	6	7°5259	17°3591					
									7940	11	7°5815	17°9472	5†	12°5248	5°8464		
									7941	11	7°7563	17°8106	5†	12°7022	5°7129		
									7942	26§	8°9061	17°8902	26§	13°8513	5°8088		
									7943	9	9°5455	17°9397	4*	14°4896	5°8674		
									7944	16	10°7081	17°8933	13	15°6520	5°8409		



## ZONE + 66°.

R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.									R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.								
Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°			R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°								
Plate 2777. 1895, Aug. 6.			Plate 2316. 1894, Oct. 28.			Plate 2777. 1895, Aug. 6.			Plate 2316. 1894, Oct. 28.								
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
7945	30§	11°21'60	17°02'92	27§	16°17'40	4°9'806	66°14'54	m.	8004	16	8°6'588	19°22'99	13	13°58'04	7°14'40	°	m.
7946	12	12°08'36	17°43'07	8	17°03'59	5°39'75			8005	4	8°9'270	19°11'99					
7947	6	13°10'02	17°64'54						8006	13	9°8'121	19°87'98	8†	14°72'48	7°81'00		
7948	10	14°16'45	17°43'19						8007	15	9°9'352	19°83'87	9	14°84'98	7°77'41		
7949	29§	14°75'64	17°46'69	28§	19°70'88	5°47'43	66°14'59	9.5	8008	22§	10°60'42	19°17'95	22	15°52'65	7°12'11		
7950	16	18°17'32	17°85'53	12†	23°11'68	5°91'71			8009	12	10°92'16	19°19'97	6†	15°84'46	7°14'96		
7951	10	18°65'39	17°03'89						8010	5	11°06'40	19°76'52					
7952	18	18°70'52	17°93'16	10*	23°64'86	6°00'37			8011	20§	12°07'56	19°03'76	17	17°00'20	7°00'13		
7953	9	18°89'41	17°94'11						8012	21§	12°30'99	19°38'05	16	17°23'19	7°35'10		
7954	17	19°58'52	17°85'08	5*	24°53'10	5°93'34			8013	10	12°50'79	19°78'76					
7955	14	20°19'58	17°76'78						8014	18	12°64'21	19°55'01	10	17°56'01	7°52'71		
7956	10	20°40'56	17°58'10						8015	4	14°82'61	19°21'78					
7957	9	20°77'40	17°67'10						8016	13	14°86'54	19°45'99	5	19°78'56	7°46'98		
7958	10	4°72'72	18°64'75						8017	4	16°22'13	19°38'84					
7959	7	5°50'68	18°17'22						8018	15	16°30'39	19°65'32	5	21°22'07	7°68'29		
7960	23§	5°68'89	18°37'74	26§	10°62'87	6°24'80	66°14'42	9.0	8019	21§	17°15'46	19°82'88	19	22°06'82	7°87'28		
7961	8	6°00'19	18°69'71	5	10°93'57	6°57'24			8020	10	17°20'20	19°76'46					
7962	22§	7°01'11	18°28'87	24	11°94'92	6°17'96	66°14'43	9.5	8021	12	17°68'88	19°10'81					
7963	30§	7°20'38	18°63'25	30§	12°13'59	6°52'37	66°14'45	9.4	8022	5	17°98'07	19°32'11					
7964	50§	7°58'59	18°43'54	46§	12°52'52	6°33'16	66°14'46	8.2	8023	5	18°72'57	19°72'96					
7965	34§	8°37'63	18°52'45	38§	13°31'42	6°43'27	66°14'47	9.0	8024	4	19°06'48	19°73'11					
7966	5	9°49'49	18°15'56						8025	4	19°82'24	19°65'95					
7967	5	9°57'53	18°82'38						8026	21	20°91'40	19°49'30					
7968	13	11°42'49	18°19'93	12	16°36'48	6°15'29			8027	26§	3°76'66	20°19'14	26	8°67'68	8°03'11		
7969	8	11°75'61	18°19'23						8028	7	4°92'44	20°63'11					
7970	5	13°06'66	18°44'22						8029	4	4°92'70	20°69'75					
7971	19§	13°89'49	18°10'64	14	18°83'77	6°10'26			8030	19	5°63'68	20°80'53	15	10°53'55	8°67'46		
7972	4	15°22'41	18°15'68						8031	(8)	5°63'67	20°73'52	(4)	10°53'55	8°60'40		
7973	4	15°46'28	18°16'07						8032	4	5°89'92	20°63'75					
7974	10	15°60'21	18°84'17						8033	14	6°66'90	20°02'91	6	11°57'53	7°91'32		
7975	4†	15°70'94	18°17'87						8034	34§	7°17'71	20°14'41	35§	12°08'65	8°03'41	66°14'44	9.5
7976	4	15°77'80	18°60'12						8035	16	7°96'55	20°38'83	9	12°87'39	8°29'00		
7977	26§	16°63'65	18°05'14	23	21°58'11	6°09'04			8036	4	9°61'58	20°81'67					
7978	17§	16°93'23	18°26'68	9	21°86'80	6°30'84			8037	10	9°73'54	20°08'01	4	14°64'42	8°01'15		
7979	8	17°30'97	18°96'26						8038	19	11°01'54	20°29'03	17	15°92'46	8°24'06		
7980	13	17°94'34	18°82'86						8039	9	12°40'41	20°32'66	2*	17°30'96	8°29'50		
7981	15	18°13'93	18°17'60						8040	24§	12°46'53	20°16'17	26	17°37'57	8°13'84		
7982	10	18°16'91	18°87'87						8041	24§	12°83'13	20°42'06	26	17°73'67	8°39'96		
7983	24§	19°87'85	18°32'93	24	24°81'81	6°41'52			8042	8	12°84'34	20°46'65	4	17°75'00	8°44'42		
7984	16	19°90'32	18°18'01						8043	10	13°15'92	20°84'94	4†	18°05'74	8°83'15		
7985	9	20°60'48	18°98'51						8044	6	13°20'45	20°13'64					
7986	23§	3°81'97	19°57'04	23	8°73'84	7°41'39			8045	13	13°48'54	20°99'98	12	18°38'45	8°98'96		
7987	4†	4°38'50	19°93'35						8046	4	13°74'49	20°31'53					
7988	9	4°49'83	19°95'49	5	9°41'27	7°80'45			8047	6	14°76'65	20°85'97					
7989	15	4°60'60	19°03'03	8	9°53'46	6°88'34			8048	34§	14°79'59	20°95'87	35§	19°69'42	8°96'54	66°14'60	9.2
7990	4	4°71'07	19°37'18						8049	3	15°14'72	20°08'69					
7991				2	10°90'10	7°83'31			8050	25§	15°83'57	20°53'72	26§	20°74'46	8°55'99		
7992	12†	6°02'62	19°95'80	4†	10°93'62	7°83'44			8051	21§	16°64'40	20°25'01	20	21°55'37	8°28'46		
7993	4	6°46'28	19°74'96						8052	5	16°71'52	20°68'12					
7994	20§	6°50'45	19°73'64	18	11°41'67	7°62'06			8053	9	17°37'39	20°01'11					
7995	6	6°77'50	19°54'11						8054	5	17°39'17	20°28'03					
7996	14§	7°54'57	19°77'75	10	12°46'07	7°67'64			8055	5	17°45'36	20°72'91					
7997	4	7°58'89	19°36'60						8056	6	17°63'30	20°56'67					
7998	7	7°62'39	19°55'71						8057	22	18°60'37	20°17'82	18	23°51'32	8°24'31		
7999	14	7°90'13	19°62'71	10	12°81'88	7°52'86			8058	5†	19°72'29	20°59'67					
8000	27§	8°09'04	19°83'81	28§	13°00'62	7°74'05			8059	6†	3°96'01	21°72'75	4*	8°84'30	9°56'85		
8001	4	8°11'14	19°36'34	2†	13°03'23	7°26'52			8060	19	4°17'51	21°30'57	10	9°06'59	9°15'02		
8002	22§	8°34'63	19°40'75	17	13°26'50	7°31'77			8061	23	4°29'52	21°98'64	9	9°17'63	9°83'45		
8003	11	8°47'28	19°36'65	5	13°39'17	7°27'74			8062	4	5°88'82	21°43'95					

Nos. 8030, 8031. The 3<sup>min.</sup> image of the upper star coincides with the 6<sup>min.</sup> image of the lower. The diameters of 8031 given are those of the 3<sup>min.</sup> images.

1 réseau interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.

## ZONE + 66°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
No.							No.						
Mag.							Mag.						
R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>							R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>						
Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 2777. 1895, Aug. 6.							Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66° Plate 2777. 1895, Aug. 6.						
R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.							R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.						
o							o						
m.							m.						
8063	9	6.3845	21.1094				8121	14	8.9753	23.3541			
8064	24	8.0659	21.8896	20	12.9465	9.7979	8122	14	9.0749	23.5613	9	13.9289	11.4817
8065	26§	8.8850	21.8285	28§	13.7704	9.7471	8123	29§	9.5072	23.3395	26	14.3661	11.2664
8066	9	9.2639	21.2687				8124	11	11.5948	23.7434	6†	16.4469	11.7000
8067	13	10.1855	21.3108	3*	15.0762	9.2494	8125	11	11.8949	23.2172	6*	16.7581	11.1823
8068	9	10.2349	21.6669				8126	7	12.5768	23.4537			
8069	22§	11.2077	21.4189	23	16.0988	9.3717	8127	4	13.1685	23.3583			
8070	5	12.3512	21.2767				8128	7	13.3072	23.0000	3*	18.1719	10.9842
8071	17	12.6133	21.7037	5	17.4962	9.6786	8129	11	14.5705	23.1508	6†	19.4337	11.1556
8072	16	13.1244	21.3086	5	18.0149	9.2901	8130	10	15.9106	23.2297	4*	20.7727	11.2558
8073	9	13.2635	21.5100	3	18.1509	9.4952	8131	35§	18.7015	23.7609	35§	23.5522	11.8303
8074	15	13.5070	21.8607	9	18.3911	9.8497	8132	33§	18.7037	23.2325	32§	23.5644	11.3017
8075	5	13.6156	21.5256	2*	18.5025	9.5165	8133	10	19.0646	23.3503			
8076	8	14.8649	21.3753				8134	9	19.1828	23.7006			
8077	22§	15.2171	21.9105	22	20.1008	9.9275	8135				4	8.9697	12.1902
8078	56§	15.2616	21.9290	48§	20.1437	9.9416	8136	11	4.4287	24.9847	11	9.2620	12.8367
8079	21§	15.7755	21.4663	15	20.6652	9.4898	8137	13	4.4962	24.8956			
8080	8	16.4511	21.2024				8138	8	4.6626	24.6681	9	9.4982	12.5198
8081	9	16.6149	21.7788				8139	11	4.9240	24.6344	10	9.7652	12.4911
8082	9	17.4455	21.2407				8140	8	5.8978	24.2168	6	10.7438	12.0887
8083	27§	17.6674	21.1176	27	22.5646	9.1711	8141	10	7.5253	24.6037	7	12.3631	12.5020
8084	11	17.7416	21.7967				8142	10	7.8548	24.3853	6†	12.7002	12.2895
8085	4	19.3944	21.0176				8143	22	8.0829	24.7097	14	12.9208	12.6144
8086	14	19.6861	21.8268				8144	8	8.4894	24.9385	6	13.3245	12.8490
8087	24	20.4862	21.8819	11†	25.3735	9.9735	8145	10	8.6168	24.2777			
8088	6	4.2190	22.4453				8146	37§	8.7923	24.8848	37§	13.6265	12.8003
8089	22	4.8298	22.3632	18	9.7088	10.2207	8147	21§	8.9835	24.1495	18	13.8287	12.0680
8090	6	5.2947	22.9003				8148	16	9.6977	24.7220	10	14.5337	12.6512
8091	18§	5.7998	22.2643	10	10.6769	10.1318	8149	4	9.8075	24.7390			
8092	23§	5.8434	22.9623	18	10.7120	10.8369	8150	23§	10.5381	24.4212	20§	15.3784	12.3596
8093	15	6.1033	22.6596	9	10.9755	10.5389	8151	16	11.7850	24.5963	10	16.6255	12.5581
8094	22§	7.3053	22.8509	18	12.1718	10.7460	8152	13	12.0711	24.5915	4	16.9098	12.5583
8095	20§	7.5837	22.0768	18	12.4627	9.9736	8153	17	12.5726	24.6610	13	17.4111	12.6356
8096	13	7.8978	22.3514	9	12.7701	10.2582	8154	9	13.6931	24.5991			
8097	4†	10.2419	22.9264				8155	21§	15.7040	24.6598	13	20.5432	12.6806
8098	4	10.4850	22.7620				8156	26§	15.7567	24.8686	24§	20.5927	12.8907
8099	15	12.0965	22.0578				8157	38§	16.2648	24.1249	33§	21.1125	12.1557
8100	18	12.5354	22.1702	11	17.4149	10.1411	8158	29§	18.0343	24.0412	31§	22.8833	12.0972
8101	9	12.7789	22.4510				8159	5	18.0429	24.6572			
8102	12	13.0953	22.7002	6	17.9657	10.6881	8160	19	4.3336	25.0963	16	9.1632	12.9448
8103	5	13.1427	22.9383	8	18.0065	10.9204	8161	28§	5.4838	25.1111	24	10.3145	12.9795
8104	11	13.2581	22.8547	3†	18.1272	10.8400	8162				5	10.8324	13.1728
8105	10	15.2999	22.7413	2*	20.1682	10.7581	8163	15	9.0391	25.8099	13	13.8638	13.7299
8106	13	16.8316	22.1155				8164	12	9.3513	25.4259	4	14.1777	13.3527
8107	17	17.4832	22.5336	10	22.3561	10.5845	8165	24§	9.5326	25.0511	23§	14.3670	12.9802
8108	10	17.7640	22.4288				8166	32§	9.6330	25.1567	29§	14.4651	13.0878
8109	9	17.8323	22.4098				8167	21§	9.6850	25.1227	16	14.5191	13.0533
8110	10	19.5376	22.2796				8168	9	9.9509	25.1346			
8111	14	19.9316	22.7319				8169	5	10.4944	25.0242			
8112	5†	20.2427	22.1530				8170	22§	10.5407	25.5307	22	15.3677	13.4728
8113	19	3.6909	23.6951	14	8.5441	11.5356	8171	9	12.6849	25.3648			
8114	43§	4.7804	23.7005	36§	9.6354	11.5569	8172	14	13.0515	25.8603			
8115	21	5.1013	23.0500	13	9.9652	10.9100	8173	13	13.1004	25.1094	14†	17.9344	13.0914
8116	4	5.3952	23.8975				8174	6	16.6606	25.9252			
8117	22	6.0445	23.4313	16	10.9040	11.3083	8175	5†	17.0335	25.8294			
8118	22§	6.0601	23.2320	14	10.9211	11.1101	8176	4†	17.3246	25.4875			
8119	9	7.4529	23.2378	8†	12.3135	11.1334	8177	18	18.2450	25.6913	17	23.0713	13.7521
8120	24	8.2217	23.7793	16	13.0702	11.6834	8178	13	19.6248	25.5254	6†	24.4476	13.6092



## ZONE + 66°.

R.A. 21 <sup>h</sup> 45 <sup>m</sup> 0 <sup>s</sup> to 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> —contd.								R.A. 21 <sup>h</sup> 59 <sup>m</sup> 50 <sup>s</sup> to 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 54 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 2777. 1895, Aug. 6.				Plate 2316. 1894, Oct. 28.				Plate 2777. 1895, Aug. 6.				Plate 2331. 1894, Nov. 6.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.
</															

## ZONE + 66°.

R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			
Plate 2283. 1894, Oct. 14.				Plate 2331. 1894, Nov. 6.				Plate 2283. 1894, Oct. 14.				Plate 2331. 1894, Nov. 6.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 66°.

R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				
Plate 2283. 1894, Oct. 14.				Plate 2331. 1894, Nov. 6.				Plate 2283. 1894, Oct. 14.				Plate 2331. 1894, Nov. 6.				
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.	
No.							Mag.	No.							Mag.	
8393				9	5.4327	7.4550		8452	9	14.9775	20.9248	16	17.4914	8.9890		
8394	16	2.9629	19.9251	26§	5.4822	7.9017		8453	10	15.2510	20.1570	14	17.7707	8.2271		
8395	3†	3.5232	19.7096	9	6.0425	7.6899		8454	21	15.3153	20.7673	26§	17.8308	8.8374		
8396	23§	3.7158	19.1037	29§	6.2451	7.0843		8455	10	16.4195	20.2138	21	18.9384	8.2928		
8397				3†	6.5469	7.2641		8456	5†	16.9553	20.9357	10	19.4700	9.0182		
8398	43§	4.1990	19.6148	43§	6.7198	7.6009	66 1475	8.5	8457	6†	17.2030	20.0507	8	19.7213	8.1354	
8399	4*	6.1842	19.2180	6	8.7101	7.2187		8458	4†	18.2600	20.3777	5	20.7794	8.4683		
8400				5	9.8245	7.8871		8459	9	18.4946	20.0076	16	21.0139	8.0989		
8401	3*	7.3741	19.2099	6	9.9053	7.2196		8460	12	19.3529	20.3238	22	21.8698	8.4248		
8402	4*	7.5236	19.0692	9	10.0473	7.0794		8461	11	21.6763	20.8210	25	24.1870	8.9402		
8403	28§	7.5405	19.2344	28§	10.0663	7.2445		8462	27	21.8076	20.2192	36§	24.3215	8.3387		
8404	5	8.1932	19.2600	13	10.7173	7.2749		8463				12	5.5557	9.8589		
8405				4	12.1376	7.2761		8464	12	3.2860	21.1798	27§	5.7995	9.1594		
8406	6*	9.8103	19.9990	10	12.3305	8.0259		8465				5	6.8155	9.1448		
8407				9	12.7003	7.9964		8466				11	7.4387	9.8673		
8408	5	10.2641	19.3250	12	12.7882	7.3574		8467	13	5.9799	21.4135	25§	8.4892	9.4139		
8409	17	10.9166	19.3096	18	13.4428	7.3455		8468	6†	7.7368	21.0628	13	10.2505	9.0754		
8410				4†	13.6144	7.2621		8469	4*	8.1337	21.8092	9	10.6369	9.8213		
8411	52§	11.2677	19.2691	56§	13.7957	7.3062	66 1484	8.5	8470			4	12.0807	9.7838		
8412	3*	12.0570	19.9271	6	14.5761	7.9721		8471	10	10.2671	21.2600	21	12.7775	9.2902		
8413				6	15.0916	7.4892		8472				17	14.5132	9.7687		
8414	55§	13.1089	19.1241	61§	15.6355	7.1755	66 1490	8.2	8473	5†	12.3574	21.6815	10	14.8662	9.7294	
8415	12	13.9590	19.3140	13	16.4824	7.3744		8474	26§	13.8080	21.7464	27§	16.3145	9.8032		
8416				7	16.7024	7.6559		8475	4*	13.8608	21.4827	4*	16.3729	9.5437		
8417	18	15.0432	19.1097	20§	17.5683	7.1753		8476	5*	14.0686	21.6728	9†	16.5776	9.7341		
8418	5	15.4642	19.6462	13	17.9883	7.7158		8477	33§	14.3348	21.4408	34§	16.8437	9.5009	66 1492	
8419	20§	15.9971	19.6926	30§	18.5193	7.7702	66 1493	9.5	8478	9	15.5376	21.1520	16	18.0503	9.2216	9.3
8420	21	16.0409	19.7073	24§	18.5633	7.7799		8479	3	16.3837	21.7774	9	18.8891	9.8544		
8421	5	16.2856	19.4979	15	18.8124	7.5731		8480	15	16.4146	21.6770	20	18.9195	9.7515		
8422	12	16.5228	19.2719	19	19.0493	7.3484		8481				4†	18.9399	9.0651		
8423	20§	16.9364	19.7250	27§	19.4588	7.8058		8482	5	16.7739	21.3502	10	19.2825	9.4304		
8424	7	17.1302	19.2361	19	19.6532	7.3193		8483				4†	19.6252	9.3593		
8425	5	17.3631	19.1409	10	19.8892	7.2255		8484	31§	17.4667	21.7876	31§	19.9749	9.8712		
8426	6†	17.8264	19.9375	9	20.3494	8.0251		8485	9	17.8740	21.1598	15	20.3827	9.2486		
8427	6*	18.8347	19.2988	7	21.3609	7.3957		8486				7	20.6990	9.9738		
8428	7	18.8950	19.2618	22	21.4214	7.3600		8487				7	21.7946	9.0517		
8429				11	23.4160	7.0657		8488	6†	19.7254	21.7807	9	22.2309	9.8873		
8430	81§	21.1405	19.5366	91§	23.6632	7.6475	66 1501	7.5	8489	15	20.4525	21.7194	29§	22.9583	9.8285	66 1500
8431	6†	21.5564	19.6221	8†	24.0812	7.7403		8490	3*	20.8752	21.6543	5†	23.3857	9.7699	9.5	
8432				6	6.1213	8.4658		8491	10	21.7720	21.6381	25	24.2755	9.7544		
8433	10	4.3328	20.3324	19	6.8501	8.3169		8492	14	22.2453	21.2596	28	24.7584	9.3815		
8434				4	6.9388	8.8761		8493				7	5.5655	10.3537		
8435	4*	4.7322	20.4154	12	7.2464	8.4024		8494				5	6.3208	10.9778		
8436	7	5.7103	20.9282	15	8.2232	8.9252		8495	5*	3.8351	22.4798	14	6.3349	10.4710		
8437				10	8.2714	8.8762		8496				4†	6.6379	10.0261		
8438	11	7.7649	20.8521	16	10.2811	8.8631		8497				6	6.9635	10.1566		
8439	5†	8.8591	20.7195	10	11.3707	8.7412		8498				5	7.0653	10.6226		
8440	6*	9.2194	20.5311	9	11.7340	8.5557		8499	6†	5.2361	22.0889	16	7.7412	10.0819		
8441	9	10.0366	20.3295	11	12.5575	8.3587		8500				4	8.2440	10.3102		
8442	14	10.0741	20.5655	18	12.5894	8.5952		8501				10	8.2566	10.4156		
8443	28§	10.0870	20.5867	28§	12.6024	8.6156	66 1481	9.5	8502			4	8.7835	10.9257		
8444				9	12.8365	8.3546		8503				12	8.9125	10.8330		
8445				4	13.1884	8.4799		8504	6	7.9352	22.4403	19	10.4357	10.4524		
8446	7†	10.7026	20.1769	11	13.2217	8.2104		8505	11	8.6945	22.9383	20§	11.1904	10.9544		
8447	9	10.8064	20.5706	14	13.3222	8.6052		8506	10	9.0845	22.3061	17	11.5895	10.3260		
8448	26§	11.9257	20.2310	25§	14.4430	8.2740		8507	13	9.3549	22.0777	21	11.8560	10.1009		
8449	22§	13.1160	20.5138	25§	15.6324	8.5657		8508				3	12.2783	10.3199		
8450				10	15.9419	8.2279		8509	4	10.7240	22.3580	7	13.2238	10.3908		
8451				9	16.1120	8.5938		8510	18	11.3908	22.0460	24§	13.8943	10.0871		

1 réseau interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 2283. 1894, Oct. 14.				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2331. 1894, Nov. 6.				Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 2283. 1894, Oct. 14.				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2331. 1894, Nov. 6.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
8511				4	14°7090	10°8258		8570				6	20°3169	11°3599	
8512				3†	14°7176	10°8209		8571				9	20°5576	11°0455	
8513	4	12°7212	22°4298	9	15°2208	10°4818		8572				4	20°6690	11°4064	
8514	40§	12°7748	22°0303	44§	15°2774	10°0801	66 1488	8573				9	21°2898	11°6051	
8515	15	13°4251	22°1983	27§	15°9264	10°2536		8574	11	19°7872	23°6800	23	22°2818	11°7847	
8516	3*	13°7289	22°5592	4	16°2310	10°6159		8575				4†	22°2983	11°0686	
8517	5	14°1460	22°6462	13	16°6453	10°7031		8576				17	22°4962	11°7451	
8518	5†	14°2966	22°3002	11	16°8006	10°3608		8577	9	20°9832	23°1900	24	23°4785	11°3027	
8519				3	16°8377	10°1827		8578				13	24°4104	11°9719	
8520	17	14°4562	22°2624	26§	16°9598	10°3268		8579				16	25°0944	11°8757	
8521				2†	16°9815	10°6480		8580				7	5°5900	12°7443	
8522				6	17°7386	10°0249		8581				4	6°8205	12°5468	
8523	13	15°5058	22°2430	18	18°0077	10°3139		8582				5	6°8639	12°8049	
8524				4	18°3777	10°5963		8583				10	7°7643	12°4662	
8525				5	19°3572	10°4849		8584				13	8°1127	12°9347	
8526				4†	19°6238	10°9736		8585				9	8°2155	12°5048	
8527	6	17°6347	22°4901	17	20°1335	10°5786		8586				7	9°2331	12°5714	
8528				6	20°3094	10°7616		8587	9	9°0667	24°2256	22§	11°5546	12°2495	
8529				4	20°6612	10°8542		8588	4	9°0792	24°2048	12	11°5665	12°2271	
8530				10	21°0457	10°2084		8589	14	9°8139	24°4812	20§	12°3000	12°5107	
8531	2*	19°3649	22°7089	6	21°8641	10°8080		8590	4†	10°2225	24°7003	14	12°7071	12°7334	
8532	23§	19°6149	22°2922	32§	22°1149	10°3980		8591				5	12°7627	12°3076	
8533				9	22°1649	10°5971		8592				3	12°8793	12°1024	
8534	5†	19°8651	22°2185	13	22°3663	10°3200		8593				14	13°0114	11°9951	
8535				4	22°7744	10°9907		8594	18	11°1687	24°9495	28§	13°6479	12°9881	
8536	53§	23°4756	21°8911	61§	25°9836	10°0227	66 1503	8595	5*	11°2282	24°8866	13	13°7103	12°9240	
8537	9	23°8794	22°2885	28	26°3809	10°4227		8596	42§	11°2588	24°6514	44§	13°7427	12°6878	66 1483
8538	19	2°8100	23°2629	26§	5°3045	11°2386		8597	25§	11°7875	24°3335	31§	14°2751	12°3765	9.1
8539				15	5°4163	11°9558		8598	4*	12°2365	24°7005	11	14°7204	12°7476	
8540				5*	5°6546	11°0364		8599	40§	12°3654	24°6797	41§	14°8519	12°7255	66 1486
8541				14	7°0603	11°9231		8600	15	12°5054	24°2409	19	14°9932	12°2897	9.5
8542	4†	5°2478	23°2414	16	7°7429	11°2340		8601	11	12°7946	24°7590	21	15°2775	12°8077	
8543				14	8°0256	11°7044		8602	37§	12°9399	24°4205	40§	15°4246	12°4714	66 1489
8544				14	8°4883	11°2007		8603	7†	13°4653	23°9863	16	15°9557	12°0393	9.0
8545				9	8°5284	11°4052		8604	4†	13°5927	24°3903	10	16°0802	12°4453	
8546				9	9°1612	11°7353		8605	19	13°7614	24°2281	25§	16°2469	12°2843	
8547				5	11°1163	11°0349		8606	7†	15°2132	24°4014	12	17°6963	12°4697	
8548	3†	8°6825	23°1457	10	11°1750	11°1627		8607	7†	15°5657	24°7060	16	18°0521	12°7748	
8549				2	11°2514	11°7759		8608	7†	16°0177	24°7663	23	18°5043	12°8383	
8550	36§	9°2808	23°5674	38§	11°7738	11°5918	66 1480	8609	13	16°0736	24°6190	23	18°5582	12°6939	
8551				4	12°4893	11°6860		8610	16	17°3225	24°0186	26	19°8132	12°1034	
8552	5*	10°0619	23°3588	8	12°5602	11°3900		8611	6*	17°5203	24°0042	16	20°0066	12°0903	
8553	5†	11°6069	23°4889	13	14°1029	11°5306		8612	25	18°1567	24°5858	32§	20°6434	12°6761	
8554				4	14°5642	11°8646		8613				5	20°6396	12°9175	
8555	12	12°2928	23°1717	19	14°7868	11°2188		8614	6	19°6683	24°2758	18	22°1559	12°3794	
8556	31§	12°3248	23°4385	30§	14°8201	11°4838	66 1487	8615				15	22°6068	12°9043	
8557				3	14°9055	11°2346		8616				3*	24°0304	12°9951	
8558				6	15°1033	11°2450		8617				5	5°5951	13°0126	
8559	8†	13°4359	23°2162	14	15°9341	11°2705		8618	12†	3°6280	25°2595	24§	6°1114	13°2439	
8560	5†	13°9550	22°9427	10	16°4520	11°0008		8619				18	6°4719	13°0168	
8561				4	16°5460	11°3756		8620				4	6°5141	13°8643	
8562	4†	14°0732	23°5210	11	16°5695	11°5770		8621				5	6°6840	13°5553	
8563	4*	14°5640	23°2593	4	17°0610	11°3248		8622				14	7°1005	13°8880	
8564	8*	14°5848	23°5377	14	17°0790	11°6002		8623				5	7°5362	13°0856	
8565				11	17°8018	11°0937		8624				5†	7°8486	13°0350	
8566				3	18°0632	11°3410		8625	10	5°5793	25°1967	25	8°0600	13°1933	
8567				3	18°0757	11°5666		8626				4†	8°2854	13°2121	
8568				3	18°7946	11°6915		8627	36§	6°3964	25°0863	40§	8°8787	13°0837	66 1477
8569				9	19°5944	11°5401		8628				5	9°8604	13°9256	9.4

Plates 2283, 2331. Nos. 8536, 8537 are measured also on Plates 2859, 2397.

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.



## ZONE + 66°.

R.A. 22 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> to 22 <sup>h</sup> 20 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 22 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 22 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 66° Plate 2283. 1894, Oct. 14.				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2331. 1894, Nov. 6.				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66° Plate 2859. 1895, Sept. 19.				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2397. 1894, Nov. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
8629				4	10°8898	13°6092		8677	14	8°4426	16°9468	20	8°4704	4°9125	
8630				4	11°7127	13°7656		8678	3*	12°0645	16°4378	6†	12°0938	4°4029	
8631				4	12°9514	13°3357		8679	8	12°7211	16°7535	16	12°7481	4°7153	
8632				15	12°9459	13°8510		8680	17	14°7141	16°9329	21	14°7436	4°8971	
8633				4	12°9499	13°8472		8681	10	15°8190	16°3085	12	15°8483	4°2771	
8634	20	10°7492	25°2900	25§	13°2285	13°3238		8682	(2)	17°0367	16°1271	4	17°0705	4°0951	
8635				4	13°7272	13°0444		8683	7	17°5427	16°4181	8†	17°5727	4°3862	
8636	29§	11°6497	25°0768	37§	14°1306	13°1174	66 1485 9.5	8684	27	19°0754	16°8262	31	19°1087	4°7922	65 1788 9.4
8637	24§	11°8511	25°4679	30§	14°3274	13°5099		8685	20	21°8527	16°2575	19	21°8798	4°2241	
8638				10	15°1200	13°2922		8686	18	4°5922	17°1206	24	4°6233	5°0869	
8639	6	12°7277	25°6467	16	15°2059	13°6942		8687	22	5°8115	17°0785	20	5°8398	5°0435	
8640				4	16°0376	13°8302		8688	10	6°4125	17°6149	12†	6°4411	5°5779	
8641	27§	13°7058	25°6046	33§	16°1850	13°6590		8689				3†	7°2522	5°6760	
8642				16	16°6710	13°4300		8690	33	8°9890	17°3730	39§	9°0159	5°3400	66 1514 9.0
8643				3	17°2331	13°3674		8691	29§	14°5659	17°9916	31§	14°5958	5°9588	66 1524 9.4
8644	5*	14°8992	25°0392	15	17°3775	13°1047		8692	3*	15°2904	17°0544	5†	15°3213	5°0183	
8645				5	17°6816	13°2845		8693	3†	16°1112	17°6323	6	16°1403	5°5980	
8646				5	17°7505	13°9158		8694	13	19°1333	17°1435	15	19°1634	5°1091	
8647				14	17°9397	13°0596		8695	20	24°5126	17°6076	14†	24°5439	5°5774	66 1536 9.5
8648				4	18°0177	13°6566		8696	26	8°2341	18°6975	29	8°2612	6°6629	66 1511 9.5
8649				12	18°4299	13°7527		8697	6	9°8404	18°1131	10	9°8690	6°0790	
8650	5†	16°1153	25°2563	18	18°5967	13°3278		8698	33§	10°4127	18°3709	36§	10°4386	6°3348	66 1516 9.2
8651				4	19°1643	13°2347		8699	45§	10°8446	18°5615	43§	10°8734	6°5275	66 1517 8.9
8652	4*	16°8486	25°0222	18	19°3329	13°1031		8700	4	11°0832	18°2280	12	11°1114	6°1939	
8653	31§	18°1164	25°5298	38§	20°5956	13°6198	66 1497 9.5	8701	3	16°6208	18°5810	4	16°6498	6°5485	
8654				3	21°1143	13°3729		8702	6	16°7541	18°5194	6†	16°7831	6°4866	
8655				3†	21°4609	13°1432		8703	2†	19°1504	18°4331	2†	19°1796	6°4040	
8656				11	22°2206	13°5743		8704	4	22°1924	18°1544	4†	22°2283	6°1254	
8657				4	22°6384	13°3699		8705	22	22°2041	18°1785	20	22°2347	6°1473	66 1533 9.4
8658				6*	22°8156	13°6936		8706	29	24°4213	18°8403	37	24°4488	6°8094	66 1537 9.5
8659	11†	20°5761	25°5506	24§	23°0548	13°6585		8707	4	5°8375	19°7866	7	5°8668	7°7550	
8660				5	23°9549	13°4770		8708	4	6°0402	19°9574	8	6°0690	7°9257	
8661	14	22°6147	25°6798	31§	25°0899	13°8015		8709	4	6°4189	19°8144	6	6°4485	7°7781	
8662				11	25°4489	13°3889		8710	2†	8°5228	19°6936	6	8°5526	7°6583	
8663				8†	26°0153	13°3895		8711	26	10°5387	19°1014	27	10°5688	7°0688	
				51§	12°0386	1°5515	65 1730 8.8	8712	4	11°1716	19°6005	6	11°1999	7°5757	
				88§	22°4759	1°1033	65 1754 8.0	8713	10	11°4087	19°7287	14	11°4357	7°6962	
	62§	25°4247	23°3612				65 1507 8.8	8714	36§	15°0637	19°1728	40§	15°0922	7°1403	66 1525 9.1
	73§	3°4738	26°6607				66 1474 8.3	8715	6†	15°2742	19°0695	13*	15°3040	7°0348	
								8716	4	15°6295	19°5703	4	15°6591	7°5372	
								8717	23§	15°7245	19°4578	34§	15°7543	7°4236	66 1526 9.1
								8718	3	16°0936	19°1451	4	16°1228	7°1108	
								8719	11	16°4978	19°5376	18	16°5265	7°5016	
								8720	26	18°2233	19°8807	30	18°2529	7°8450	
								8721	6	24°9153	19°6503	8*	24°9497	7°6198	
								8722	5	4°5826	20°6128	8	4°6127	8°5763	
								8723	3	6°8095	20°4666	4	6°8364	8°4351	
								8724	3*	7°5996	20°4304	4	7°6281	8°3980	
								8725	2*	7°8838	20°6641	3	7°9102	8°6339	
								8726	4	8°2142	20°4538	6	8°2413	8°4202	
								8727	13	10°4256	20°4414	18	10°4569	8°4083	
								8728	12	15°0931	20°6311	15	15°1226	8°5992	
								8729	35§	16°6879	20°3282	36§	16°7193	8°2915	66 1529 8.9
								8730	29§	17°8421	20°4155	35§	17°8725	8°3800	
								8731	31§	21°2788	20°2868	38§	21°3081	8°2510	66 1532 9.4
								8536	46§	2°1444	21°9467	50§	2°1723	9°9137	66 1503 8.3
								8732	27	3°2157	21°7898	32	3°2424	9°7570	66 1505 9.4
								8733	12	4°2465	21°7394	16	4°2762	9°7068	
								8734	33	4°7562	21°8118	37	4°7833	9°7776	

Plate 2859, No. 8682. The 6<sup>min</sup>. image coincides with a fault on the plate, and has therefore not been measured. The diameter and co-ordinates given are those of the 3<sup>min</sup>. image. No. 8697. This star is not given in the B. D., but is given as No. 3601 in the *A.G. (Christiania) Catalogue*. Mag. 9.5.

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 22 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 22 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 22 <sup>h</sup> 20 <sup>m</sup> 0 <sup>s</sup> to 22 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 66°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 2859. 1895, Sept. 19.				Plate 2397. 1894, Nov. 25.				Plate 2859. 1895, Sept. 19.				Plate 2397. 1894, Nov. 25.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.								B. D.							
No.				Mag.				No.				Mag.			
8735	9	5.2166	21.3577	10	5.2460	9.3223	°	8793	11	20.5037	24.7814	17	20.5325	12.7491	°
8736	18	10.5823	21.3718	17	10.6127	9.3397	m.	8794				10	22.3166	12.0932	
8737	18	10.9544	21.7671	18	10.9834	9.7309		8795				10	3.2023	13.5849	
8738	6	12.1108	21.7356	8	12.1383	9.7039		8796	52§	3.4463	25.3128	45§	3.4750	13.2777	66 1506
8739	43§	13.1326	21.5647	47§	13.1601	9.5283	66 1521	8797				5	5.8011	13.0451	9.2
8740	4	13.7467	21.5860	6	13.7768	9.5533		8798	8	11.2740	25.3427	12	11.3012	13.3063	
8741	34§	13.9156	21.7980	40§	13.9434	9.7646	66 1523	8799	13	12.1624	25.2870	14	12.1898	13.2553	66 1519
8742	18	13.9344	21.7642	20	13.9616	9.7324		8800	10	17.7009	25.5916	13	17.7308	13.5604	9.5
8743	37§	16.4970	21.4780	41§	16.5260	9.4414	66 1528	8801	21	17.7998	25.4439	20	17.8266	13.4097	66 1530
8744	9	16.7049	21.2565	15†	16.7340	9.2198		8802	10	18.6455	25.2929	11	18.6740	13.2607	9.5
8745	14	18.9006	21.1017	19	18.9332	9.0701		8803	17	19.2370	25.2360	22	19.2647	13.2046	
8746	6	19.4038	21.9302	10	19.4319	9.9010		8804	5	19.6353	25.3603	8	19.6636	13.3323	
8747	19	20.0654	21.8819	22§	20.0979	9.8489		8805	5	20.0787	25.0054	8	20.1041	12.9737	
8748	41§	22.2181	21.6604	50§	22.2499	9.6263	66 1535	8806				10	24.3917	13.3525	
8749	24	25.1107	21.7918	32§	25.1402	9.7604	66 1538								
8750	10	25.7759	21.4521	7†	25.8076	9.4226						21	7.9449	1.0829	65 1770
8751	9	2.5761	22.3101	13	2.6060	10.2770						64§	9.8858	1.4903	9.0
8752	6†	2.9485	22.4393	12	2.9784	10.4075						50§	10.7049	1.3053	8.0
8753	7	3.6224	22.9506	13	3.6491	10.9163		42§	1.1803	15.5075		69§	1.2096	3.4737	65 1776
8754	8*	4.5048	22.5777	18	4.5336	10.5466		42	6.5196	26.3653					9.2
8755	8*	4.7723	22.8123	12	4.8014	10.7855		35	11.2391	26.2831					66 1510
8756	24	4.8981	22.3266	28	4.9295	10.2943	66 1508								9.0
8757	4*	5.0721	22.6033	4	5.1059	10.5744	9.5								
8758	7	5.7473	22.4562	12	5.7793	10.4258									
8759	11	5.8055	22.5236	12	5.8339	10.4904									
8760	28	8.2851	22.7831	31§	8.3140	10.7543	66 1512								
8761	19	10.5723	22.6476	21	10.6020	10.6133									
8762	3	11.6120	22.1342	4	11.6384	10.0993		8807	5†	7.6715	14.9610	2*	5.2830	2.9473	°
8763	15	13.8719	22.4932	17	13.9035	10.4601		8808	17	7.7091	14.4609	9	5.3190	2.4507	m.
8764	12	15.1842	22.1372	17	15.2140	10.1049		8809	5*	8.0384	14.6025	4*	5.6494	2.5895	
8765	14	19.2898	22.2246	15	19.3189	10.1934		8810	17	9.5680	14.7948	15	7.1799	2.7628	
8766	25	20.3539	22.8760	28	20.3821	10.8445	66 1531	8811	5	9.6080	14.3895	4†	7.2152	2.3614	
8767	8*	20.4085	22.6715	8	20.4376	10.6365		8812	15	9.6864	14.0258	19	7.2932	1.9968	
8768	9	24.7238	22.9637	13	24.7583	10.9333		8813	30§	10.3819	14.1140	29§	7.9864	2.0756	65 1810
8769	8*	25.7353	22.8605	14†	25.7616	10.8278		8814	4†	10.8778	14.0433	4*	8.4817	2.0023	9.2
8770	38§	4.1931	23.2723	45§	4.2216	11.2395	66 1507	8815	16	11.3282	14.4233	16	8.9377	2.3790	
8771	4*	5.7001	23.6236	6	5.7282	11.5877		8816	83§	11.6048	14.2956	78§	9.2137	2.2486	65 1813
8772	9	7.1188	23.4252	11	7.1478	11.3954		8817	25§	12.6089	14.5254	23§	10.2195	2.4691	7.0
8773	20	8.1281	23.5751	21	8.1558	11.5388		8818	10	15.5094	14.6679	12	13.1192	2.5868	65 1815
8774	7*	8.1321	23.5613	10	8.1585	11.5267		8819	62§	15.5151	14.9481	56§	13.1293	2.8642	65 1826
8775	18	11.4291	23.0121	19	11.4584	10.9785		8820	9	19.3155	14.4810	6*	16.9259	2.3691	8.0
8776	11	12.4888	23.2886	14	12.5175	11.2562		8821	16	20.2963	14.5843	12	17.9083	2.4641	
8777	11	16.5184	23.7316	14	16.5484	11.6992		8822	17	20.4101	14.7247	15	18.0219	2.6039	
8778	21	18.4837	23.8843	23	18.5134	11.8513		8823	15	22.1213	14.3735	11†	19.7266	2.2386	
8779	24	21.9790	23.9158	24	22.0100	11.8817	66 1534	8824	16	23.1207	14.4561	16	20.7309	2.3134	
8780	22	23.6281	23.8203	26	23.6552	11.7890	9.4	8825	7	23.1985	14.8693	9†	20.8111	2.7240	
8781	11†	25.2082	23.4795	20	25.2377	11.4505		8826	9	24.7718	14.0525	7*	22.3773	1.8949	
8782				10	25.5297	11.1456		8827	22	24.8398	14.0934	17	22.4458	1.9326	65 1840
8783	13	8.5643	24.7936	20	25.8406	11.9334		8828	4*	6.8405	15.0869	4*	4.4542	3.0797	9.5
8784	19	8.8195	24.7750	16	8.5931	12.7610		8829	22§	11.5408	15.1789	23§	9.1555	3.1303	
8785	9	8.8111	24.4791	20	8.8480	12.7441	66 1513	8830	6†	12.6907	15.0487	6	10.3085	2.9947	
8786	6	9.9199	24.1187	11	8.8385	12.4458		8831	4†	14.9628	15.6534	4	12.5775	3.5753	
8787	30§	12.7459	24.3645	10	9.9483	12.0900		8832	6	14.9932	15.1175	6*	12.6082	3.0408	
8788	8	12.9089	24.0542	39§	12.7737	12.3308	66 1520	8833	5	15.9045	15.7287	6†	13.5239	3.6440	
8789				9	12.9373	12.0251	9.0	8834	16	16.7658	15.2583	17	14.3847	3.1671	
8790	8	15.0183	24.7076	5	14.9001	12.7195		8835	9	18.6534	15.0706	5	16.2700	2.9623	
8791	11	18.4210	24.9038	11	15.0437	12.6757		8836	16	20.0035	15.7618	13	17.6244	3.6439	
8792	7	19.6200	24.5109	12	18.4505	12.8712		8837	9	20.7939	15.5664	5†	18.4117	3.4425	
				14	19.6506	12.4762		8838	4	22.1171	15.2557	4*	19.7331	3.1213	

Plates 2859, 2397. Nos. 8750, 8768, 8781, 8782 are measured also on Plates 2837, 2860.

x réseau interval represents very nearly 5' = 49.2 of R.A. at Dec. + 66°, and 51.2 at Dec. + 67°.



## ZONE + 66°.

R.A. 22 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 22 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.								R.A. 22 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 22 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66°				R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 2837. 1895, Sept. 10.				Plate 2860. 1895, Sept. 19.				Plate 2837. 1895, Sept. 10.				Plate 2860. 1895, Sept. 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
</															

1 réseau interval represents very nearly 5' = 49°.2 of R.A. at Dec. + 66°, and 51°.2 at Dec. + 67°.

## ZONE + 66°.

R.A. 22 <sup>h</sup> 39 <sup>m</sup> 40 <sup>s</sup> to 22 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> —contd.								R.A. 23 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 23 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup>							
Centre R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 66° Plate 2837. 1895, Sept. 10.				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2860. 1895, Sept. 19.				Centre R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 559. 1892, Sept. 15.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 660. 1892, Dec. 2.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.								B. D.							
No.				Mag.				No.				Mag.			
8954	32§	9°9991	23°3582	32§	7°6841	11°3235	66°1548	9°0	9004	19	24°3476	13°9988	3*	19°5325	1°8434
8955	8	12°4550	23°1483	5	10°1379	11°0915			9005	6†	11°1303	14°1214			
8956	32§	16°4874	23°6729	20§	14°1748	11°5855	66 1557	9°5	9006	9	16°8371	14°4519			
8957	29§	17°7727	23°0512	24§	15°4553	10°9519			9007	9	19°9561	14°9901			
8958	36§	17°7740	23°6973	34§	15°4609	11°5952	66 1560	9°4	9008	7†	7°0220	15°8534			
8959	48§	20°1058	23°5394	50§	17°7897	11°4197	66 1565	8°3	9009	8	8°2271	15°1818			
8960	20	20°6601	23°5192	19	18°3429	11°3953			9010	4†	8°7514	15°7829			
8961	8	21°3956	23°6161	7	19°0814	11°4793			9011	24	11°0618	15°8872	5†	6°2795	3°9532
8962	28	23°0267	23°0458	29§	20°7102	10°9023	66 1570	9°5	9012	22	11°1724	15°4607	4*	6°3850	3°5219
8963	14	13°8552	24°7878	10	11°5533	12°7237			9013	21	14°9315	15°2801	9†	10°1365	3°2787
8964	34§	16°1311	24°1202	32§	13°8218	12°0371	66 1555	9°5	9014	12	15°9499	15°5823	2†	11°1637	3°5675
8965	9†	18°8484	24°6854	8	16°5465	12°5753			9015	20	17°2453	15°8392	4†	12°4638	3°7994
8966	19	18°9312	24°0101	18	16°6196	11°9001			9016	24	18°5004	15°0520	9	13°7053	2°9910
8967	15	19°9955	24°8586	14	17°6938	12°7396			9017	3†	18°5480	15°1641			
8968	8*	20°3499	24°2085	10	18°0422	12°0884			9018	22	20°6211	15°5593	9	15°8335	3°4642
8969	10*	23°5913	24°1691	12	21°2815	12°0234			9019	27§	7°4167	16°7226	6†	2°6542	4°8493
8970	17	23°9751	24°5097	19	21°6704	12°3577			9020	48§	8°7444	16°1071	35§	3°9668	4°2078
8971	8†	4°4898	25°3419	8	2°1943	13°3593			9021	14	9°7415	16°8087	3†	4°9760	4°8945
8972	7*	4°6728	25°1380	5	2°3754	13°1482			9022	9	9°9904	16°8496			
8973	10*	4°7074	25°2579	13	2°4106	13°2684			9023	22	10°2496	16°6583	5*	5°4839	4°7320
8974	21	7°4434	25°6446	22	5°1472	13°6289			9024	27	17°7286	16°7308	13	12°9610	4°6810
8975	6*	7°6251	25°3782	7	5°3290	13°3694			9025	15	17°9442	16°1699	4*	13°1706	4°1217
8976	7†	7°7537	25°3586	9	5°4557	13°3421			9026	10	7°3535	17°0688			
8977	19	12°8751	25°4475	13	10°5782	13°3892			9027	5	11°4902	17°1538			
8978	10†	17°4357	25°5966	9	15°1406	13°4979			9028	14	17°7956	17°4602			
8979	11	17°4438	25°3502	10	15°1454	13°2501			9029	30	19°9250	17°1844	17	15°1639	5°0993
8980	5*	20°5828	25°3349	5†	18°2822	13°2139			9030	25	20°4960	17°8499	10	15°7468	5°7520
8981	17	20°6057	26°0309	16	18°3134	13°9054			9031	16	22°2346	17°6214			
8982	12*	21°1354	25°2675	12	18°8350	13°1381			9032	14	24°4829	17°9633	6*	19°7336	5°8039
8983	42§	21°1325	25°1788	35§	18°8316	13°0498	66 1567	9°4	9033	7	8°5541	18°8644			
8984				9	19°9762	13°5756			9034	23§	8°9149	18°5485	9	4°1798	6°6495
8985				13	20°1247	13°8475			9035	10	9°1062	18°4103			
8986	19	24°3673	25°1600	19	22°0686	13°0018			9036	15	10°2452	18°4695	5*	5°5069	6°5442
				48§	13°3487	1°4368	65 1827	9°0	9037	23	11°7700	18°4951	13	7°0319	6°5465
				20§	17°9277	1°5358	65 1834	9°0	9038	44§	17°7433	18°9058	21	13°0136	6°8585
				48§	18°7014	1°1352	65 1837	8°6	9039	13	18°2299	18°3980	7†	13°4902	6°3399
	78§	1°1283	14°1001				65 1796	7°1	9040	16	7°5254	19°7495			
R.A. 22 <sup>h</sup> 57 <sup>m</sup> 30 <sup>s</sup> to 23 <sup>h</sup> 0 <sup>m</sup> 30 <sup>s</sup>								R.A. 23 <sup>h</sup> 10 <sup>m</sup> 30 <sup>s</sup> to 23 <sup>h</sup> 15 <sup>m</sup> 30 <sup>s</sup>							
Centre R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66° Plate 559. 1892, Sept. 15.				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2860. 1895, Sept. 19.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 660. 1892, Dec. 2.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 660. 1892, Dec. 2.			
8987	15	4°6739	14°3800	10†	24°2108	2°4475			9041	11	7°6049	19°5563			
8988	11	5°5680	14°4809						9042	21§	9°3780	19°3031	10	4°6547	7°3983
8989	28	6°8462	14°1721	24	26°3935	2°3807			9043	14	9°9982	19°2555			
8990	23	5°2242	16°1238	30	24°6528	4°2220	65 1841	9°5	9044	13	11°6179	19°5235			
8991	6	4°5257	17°9453	6*	23°8366	5°9972			9045	48§	15°6060	19°9398	23	10°8905	7°9258
8992	12	4°8904	17°1872	6	24°2485	5°2646			9046	14	19°0408	19°7190	9†	14°3247	7°6477
8993	10	5°5623	18°4453	6†	24°8392	6°5650			9047	15	19°6801	19°3385	7	14°9552	7°2590
8994	21	6°0826	18°9317	14	25°3242	7°0809			9048	27	21°5167	19°0949	12	16°7915	6°6740
8995	14	3°9519	19°5212	18	23°1653	7°5356			9049	8	7°3475	20°9974	3*	2°6549	9°1225
8996	9	4°3043	19°5321	12	23°5208	7°5672			9050	27§	8°4848	20°8324	12	3°7864	8°9383
8997	10	3°9641	20°5921	13	23°1112	8°6059			9051	27§	8°5560	20°1137	12	3°8468	8°2196
8998	12	4°7552	21°3937	13	23°8520	9°4527			9052	6	10°0222	20°8046			
8999	14	4°8441	21°1429	11	23°9561	9°2119			9053	11	11°6380	20°6913	5*	6°9381	8°7429
9000	18	5°3747	22°3588	18	24°4118	10°4581			9054	10	11°6684	20°9047	3*	6°9707	8°9567
9001	6	6°4360	22°8739	6*	25°4346	10°0362			9055	53§	13°0024	20°6195	30§	8°2961	8°6501
9002	96§	6°5345	22°0561	101§	25°5864	10°2277	66 1575	5°5	9056	9	14°0002	20°3582	5†	9°2901	8°3722
9003				13	23°1164	12°0365			9057	29	14°0771	20°3258	15	9°3667	8°3391
									9058	44§	17°5849	20°3649	20§	12°8792	8°3199
									9059	12	18°8199	20°4556			
									9060	28§	18°8429	20°7471	15	14°1404	8°6786
									9061	7	8°0260	21°1500	3†	3°3345	9°2609
									9062	52§	8°7336	21°6282	29§	4°0482	9°7298

Plates 559, 660, B. D. 65° 1854, mag. 9°5. There is no star on the plates which corresponds to this.

1 réseau interval represents very nearly 5' = 49°2 of R.A. at Dec. + 66°, and 51°2 at Dec. + 67°.



## ZONE + 66°.

R.A. 23 <sup>h</sup> 0 <sup>m</sup> 10 <sup>s</sup> to 23 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> —contd.								R.A. 23 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 23 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 6 <sup>m</sup> Dec. + 66°				R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 66°				R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			
Plate 559. 1892, Sept. 15.				Plate 660. 1892, Dec. 2.				Plate 2303. 1894, Oct. 24.				Plate 556. 1892, Sept. 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

Plate 2303, No. 9142. The 6<sup>min.</sup> image coincides with a fault on the plate, and has therefore not been measured. The diameter and co-ordinates given are those of the 3<sup>min.</sup> image.

1 *reseau* interval represents very nearly 5" = 49".2 of R.A. at Dec. + 66°, and 51".2 at Dec. + 67°.

R.A. 23 <sup>h</sup> 19 <sup>m</sup> 50 <sup>s</sup> to 23 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> —contd.								R.A. 23 <sup>h</sup> 33 <sup>m</sup> 20 <sup>s</sup> to 23 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> —contd.									
Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. +66° Plate 2303. 1894, Oct. 24.				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 556. 1892, Sept. 14.				Centre R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. +66° Plate 3292. 1896, Oct. 29.				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 556. 1892, Sept. 14.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.		
9164	5	20°3100	21°1485	11	13°2750	9°0802	°	m.	9213				6	20°9787	6°0888	°	m.
9165				17	14°9865	9°4254			9214				7	21°2318	6°0040		
9166				9	4°5895	10°9370			9215	11	6°9222	18°7205	17	21°3844	6°7184		
9167				5	10°2164	10°9279			9216	7	8°4278	18°5044	10	22°8959	6°5800		
9168	7*	19°5846	22°3610	11	12°5852	10°3102			9217	12	10°2928	18°0805	21	24°7849	6°2503		
9169	7	19°6224	22°1832	14	12°6152	10°1316			9218	13	10°9543	18°0743	31	25°4442	6°2783		
9170	11	21°0903	22°3098	17	14°0851	10°2214			9219				6	20°2564	7°2738		
9171				17	17°7520	10°6909			9220	15	9°5086	19°4266	26	23°9332	7°5534		
9172				8	5°1375	11°5692			9221	4*	7°7902	20°5196	6	22°1572	8°5586		
9173	19	16°6198	23°8434	26	9°6520	11°8608			9222	11	3°7917	21°4420	20	18°1160	9°2714		
9174	10	20°0350	23°2781	18	13°0504	11°2148			9223	4†	5°3129	21°1185	12	19°6500	9°0313		
9175	27	22°2252	23°9285	32§	15°2558	11°8110	66 1620	9°5	9224	9	5°8418	21°4644	17	20°1643	9°4007		
9176	21	22°3534	23°6605	29§	15°3771	11°5405			9225	10	8°1487	21°3333	18	22°4741	9°3892		
9177				9	4°2093	12°6537			9226	4	8°9873	21°0825	13	23°3220	9°1839		
9178	14†	11°2804	24°6576	22	4°3351	12°8011			9227	17	9°1119	21°8126	22	23°4129	9°9143		
9179	8†	12°1621	24°3255	14	5°2098	12°4541			9228	9	10°9283	21°4750	12	25°2444	9°6719		
9180				4	5°3438	12°3095			9229				6	19°8929	10°3138		
9181	25	14°2162	24°5600	29§	7°2666	12°6371			9230				8	20°2873	10°7648		
9182	22	16°2605	24°4220	29	9°3075	12°4494			9231	21	7°0910	22°9433	28	21°3344	10°9410		
9183	17	20°5536	24°6663	28	13°6033	12°5906			9232	15	9°0419	22°8817	24	23°2900	10°9805		
9184				11	14°6656	12°9188			9233	17	10°6398	22°1991	19	24°9171	10°3823		
9185				24	15°2757	12°7956			9234				6	18°6667	11°3397		
9186				5	17°6828	12°1875			9235	5†	5°2633	23°6574					

1 réseau interval represents very nearly  $\zeta' = 49^{\text{h}} 2$  of R. A. at Dec.  $+ 66^{\circ}$ , and  $51^{\text{h}} 2$  at Dec.  $+ 67^{\circ}$ .



## ZONE + 66°.

R.A. 23 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>								R.A. 23 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 3292. 1896, Oct. 29.				R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2333. 1894, Nov. 6.				Centre R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66° Plate 3292. 1896, Oct. 29.				R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2333. 1894, Nov. 6.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.
9258	5*	18°5852	14°9169	10	8°7581	2°8241		9317				15	13°1263	7°2168	
9259	22§	19°7393	14°4027	42§	9°8975	2°2733	65 1954 9°1	9318				5	13°3385	7°2141	
9260				7	10°7671	2°0512		9319	4*	23°1729	19°4813	13	13°4750	7°2565	
9261				9	11°1115	2°9976		9320	5	12°1024	20°6439	13	2°4453	8°7319	
9262	4†	22°0445	14°9647	13	12°2184	2°7721		9321				11	3°1000	8°8371	
9263	18	22°1211	15°0932	33	12°2988	2°8960	65 1960 9°5	9322	18§	14°6042	20°4861	30§	4°9385	8°5043	66 1642 9°4
9264	11	14°8231	15°5612	23	5°0153	3°5745	65 1945 9°5	9323	14	14°9584	20°3180	21§	5°2869	8°3278	
9265	4†	15°7002	15°3657	13	5°8880	3°3560		9324	18	15°2964	20°3705	29§	5°6271	8°3692	
9266	48§	15°7320	15°0614	59§	5°9067	3°0436	65 1948 7°5	9325				9	8°0743	8°2504	
9267	3†	16°4682	15°8159	9	6°6682	3°7817		9326	20§	18°3492	20°8682	24§	8°6921	8°7796	
9268	4†	20°6721	15°8387	14	10°8682	3°6859		9327	3*	20°3783	20°6943	8	10°7165	8°5459	
9269	5†	20°7415	16°1143	8	10°9506	3°9602		9328	5†	21°4809	20°7973	15	11°8225	8°6185	
9270	3*	21°1150	15°5419	9	11°3007	3°3762		9329				7	12°1832	8°3374	
9271	5*	23°8299	16°1047	16	14°0348	3°8590		9330				9	13°2124	8°7489	
9272	3†	12°8494	16°8628	10	3°0831	4°9346		9331	5*	23°3093	20°8759	16	13°6513	8°6440	
9273	100§	13°8102	16°6884	120§	4°0293	4°7273	65 1943 6°3	9332				14	13°8897	8°7465	
9274	17	15°8439	16°1377	24	6°0534	4°1205		9333				5	3°2155	9°7928	
9275	3†	17°3358	16°0839	10	7°5422	4°0281		9334	13	13°9202	21°4577	24	4°2849	9°4959	
9276				9	8°2953	4°2956		9335	10	14°1682	21°3084	17	4°5264	9°3401	
9277				12	11°2901	4°0182		9336	5	14°7820	21°1239	15	5°1354	9°1359	
9278	24§	21°7953	16°6445	33§	12°0176	4°4572	65 1959 8°0	9337	5*	15°5003	21°2174	14	5°8605	9°2101	
9279				10	12°7591	4°6783		9338	7	16°0412	21°2267	16	6°3971	9°2030	
9280	8	13°5429	17°7854	15	3°7955	5°6347		9339	22§	17°4790	21°6728	31§	7°8461	9°6062	66 1644 9°5
9281	3*	16°4896	17°3863	10	6°7330	5°3493		9340	16	17°9078	22°0292	25§	8°2865	9°9548	
9282	5†	18°0338	17°9449	14	8°2944	5°8656		9341	5*	18°8108	21°8487	14	9°1812	9°7467	
9283	5	18°4300	18°0170	14	8°6896	5°9261		9342				4	9°7484	9°1939	
9284	6	18°7097	17°1462	14	8°9456	5°0468		9343	28§	20°3393	21°3869	37§	10°6967	9°2390	66 1651 9°2
9285	14	19°6323	17°3884	24	9°8755	5°2638	66 1649 9°5	9344	20	20°4905	21°4484	25§	10°8506	9°2954	
9286				9	10°2720	5°6210		9345	39§	20°9919	22°1561	43§	11°3744	9°9901	66 1653 9°1
9287				13	11°7398	5°0502		9346	15	22°0219	21°3489	21§	12°3791	9°1520	
9288				9	12°6338	5°8569		9347				8	12°7820	9°2570	
9289				9	12°7440	5°0850		9348				3	13°1025	9°4736	
9290	44§	22°9157	17°3127	54§	13°1551	5°0921	66 1654 8°0	9349				14	14°8098	9°3318	
9291	5†	13°3791	18°6484	10†	3°6629	6°7035		9350				9	5°2640	10°7357	
9292	8	14°2504	18°1879	22	4°5193	6°2160		9351				10	9°9747	10°3591	
9293	20§	14°5006	18°5066	30§	4°7773	6°5269	66 1641 9°4	9352				4	11°4565	10°6360	
9294	13	14°5507	18°2934	23	4°8233	6°3124		9353				6	11°5813	10°7434	
9295	14	14°5800	18°0322	28	4°8420	6°0490		9354	15	22°6451	22°4557	19	13°0322	10°2443	
9296	11	17°2332	18°1630	22	7°5008	6°1058		9355				4	13°9198	10°5454	
9297	6	18°1515	18°2033	11	8°4219	6°1201		9356				4	13°9400	10°8969	
9298	3	18°1908	18°3509	10	8°4653	6°2661		9357	22§	23°6366	22°9243	28§	14°0362	10°6835	66 1657 9°5
9299	58§	18°2159	18°2151	62§	8°4848	6°1273	66 1647 7°5	9358				10	14°0990	10°7619	
9300				5	10°1157	6°3861		9359	22	12°3944	23°3340	31§	2°8127	11°4152	66 1639 9°5
9301				14	11°1568	6°5507		9360	17	13°5836	23°6731	27§	4°0142	11°7180	
9302	19	20°9467	19°0837	24§	11°2372	6°9200	66 1652 9°5	9361				4	4°4844	11°6822	
9303	15	21°0583	18°2030	15	11°3246	6°0368		9362				10	6°4558	11°2791	
9304				4	13°8389	6°4258		9363				4	6°8515	11°5972	
9305				11	14°3212	6°4470		9364				9	7°6942	11°4634	
9306				5	3°2181	7°5092		9365	7	17°9916	23°8934	16	8°4200	11°8101	
9307	9	14°0044	19°3338	20	4°3066	7°3692		9366				4	9°9659	11°7636	
9308	12	16°4055	19°8138	22	6°7194	7°7802		9367				9	10°8179	11°4106	
9309	10	16°5613	19°2962	19	6°8611	7°2596		9368				7	11°4968	11°3288	
9310	14	16°8978	19°5417	23§	7°2034	7°4917		9369				7	11°5303	11°1000	
9311	18	17°9173	19°2945	24§	8°2153	7°2163		9370				11	13°0212	11°0950	
9312	17	19°6230	19°5822	22§	9°9315	7°4560		9371				10	13°4008	11°0422	
9313	3†	21°4074	19°6663	7	11°7135	7°4895		9372				3	14°6903	11°0583	
9314	4†	21°5203	19°8062	7	11°8315	7°6283		9373				10	4°4761	12°7601	
9315				10	12°0617	7°6402		9374	25	15°2785	24°3408	31§	5°7228	12°3384	66 1643 9°4
9316				4	12°1762	7°4186		9375				7	7°2179	12°6835	

Nos. 9301, 9302, 9303. It is doubtful which of these stars should be identified with B.D. 66° 1652.

1 réseau interval represents very nearly  $5' = 49^{\circ}.2$  of R.A. at Dec. + 66°, and  $51^{\circ}.2$  at Dec. + 67°

## ZONE + 66°.

R.A. 23 <sup>h</sup> 40 <sup>m</sup> 20 <sup>s</sup> to 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> — <i>contd.</i>								R.A. 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 0 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>							
Centre R.A. 23 <sup>h</sup> 42 <sup>m</sup> Dec. + 66°				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 66°				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			
Plate 3292. 1896, Oct. 29.				Plate 2333. 1894, Nov. 6.				Plate 2866. 1895, Sept. 20.				Plate 2333. 1894, Nov. 6.			
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .
9376	28	17°6068	24°7969	32	8°0619	12°7267	66°1645	9°5	9423	9	6°0426	18°5235	16	17°9476	6°3967
9377				13	8°7959	12°7530			9424	38§	8°0544	18°5315	41§	19°9559	6°4849
9378				9	9°5933	12°7944			9425	6†	8°8081	18°4559	7	20°7104	6°4394
9379	22	19°9384	24°2028	28§	10°3768	12°0662	66 1650	9°5	9426	9	13°0494	18°3056	19	24°9591	6°4557
9380				14	11°7202	12°8879			9427				7	15°1695	7°0196
9381				6†	11°8744	12°2302			9428	6†	4°5745	19°9589	13	16°4217	7°7748
9382	17	21°4458	24°2361	22§	11°8860	12°0546			9429	26	4°6246	19°5549	30§	16°4886	7°3722
9383				11	13°0249	12°7857			9430				6	17°9870	7°3751
9384	18	22°6255	24°6357	27§	13°0769	12°4236			9431	6†	6°6015	19°4231	9	18°4691	7°3187
9385				5	13°5458	12°3546			9432				6	19°1145	7°6230
9386				7	14°2734	12°9184			9433	14	7°4664	19°5188	23	19°3286	7°4476
9387	19	13°9103	25°0643	24§	4°3759	13°0981			9434				3†	19°5520	7°5831
9388				5	5°4012	13°5564			9435	7†	9°8602	19°7417	9	21°7135	7°7662
9389				9	5°6510	13°2554			9436	7	12°1244	19°8117	15	23°9736	7°9256
9390				10	6°2236	13°9511			9437	7	3°2205	20°8123	14	15°0333	8°5755
9391				7	7°3156	13°0569			9438				10	16°3477	8°6050
9392	10	19°7366	25°5635	20	10°2150	13°4334			9439	12	4°8958	20°5493	16	16°7189	8°3778
9393	13	20°9791	25°5193	22	11°4536	13°3534			9440				4	18°7026	8°2206
									9441				5	18°8360	8°7952
				32	1°1407	5°1792	66 1637	8°9	9442	9	9°4750	20°7291	18	21°2886	8°7360
	32§	25°4467	16°5005				65 1969	7°9	9443	37§	9°8367	20°8275	39§	21°6461	8°8511
	41§	24°9824	17°6814				66 1658	8°2	9444	6†	9°8406	20°7129	9	21°6553	8°7347
	44§	18°1493	26°1658				66 1648	8°5	9445	12	9°9426	20°6671	22	21°7590	8°6960
	50§	26°3681	26°2043				66 1661	8°7	9446	7	11°0294	20°1014	13	22°8684	8°1738
									9447	5	11°5714	20°3052	14	23°4014	8°3979
									9448	7	12°2693	20°7762	12	24°0794	8°8957
									9449	12	12°7090	20°0223	15	24°5503	8°1599
									9450	3	13°0823	20°2912	6	24°9111	8°4432
									9451				6	24°9648	8°6685
									9452				5	15°0695	9°4043
									9453	15	3°2936	21°6453	21	15°0743	9°4092
									9454				5	15°6099	9°4038
									9455	23	6°8138	21°3558	29§	18°6077	9°2595
									9456	9	8°5468	21°8992	15	20°3148	9°8723
									9457	17	8°5661	21°9193	20§	20°3336	9°8918
									9458				9	20°6784	9°1699
									9459	6†	10°6180	21°7753	6	22°3911	9°8283
									9460	53§	10°7974	21°2524	55§	22°5896	9°3140
									9461	82§	13°4294	21°2729	95§	25°2190	9°4371
									9462				7	16°4360	10°2329
									9463	9	5°4791	22°5368	17	17°2244	10°3883
									9464	43§	5°7099	22°4852	55§	17°4617	10°3445
									9465	27	7°8364	22°5443	28§	19°5806	10°4849
									9466				4	17°7082	11°7562
									9467				6	18°4013	11°2733
									9468				12	19°9812	11°1949
									9469	19	8°3510	23°5512	24	20°0549	11°5144
									9470				7	21°1758	11°3109
									9471	10	9°8790	23°8484	16	21°5678	11°8718
									9472	10	12°0545	23°5303	16	23°7556	11°6399
									9473	4*	12°3788	23°4268	10	24°0822	11°5475
									9474	4†	13°6682	23°6403	8	25°3626	11°8128
									9475	25	3°8399	24°5980	28§	15°5067	12°3808
									9476				5	15°5458	12°8665
									9477				5	16°7998	12°5950
									9478	19	5°6281	24°4775	24§	17°2948	12°3339
									9479	6*	6°1940	24°5750	14	17°8600	12°4504
									9480	11	6°4252	24°2017	19	18°1013	12°0865
									9481	19	6°5159	24°5409	26§	18°1772	12°4305

Plate 3292, No. 9376. The 20<sup>sec</sup>. image is probably on the *réseau* line.1 *réseau* interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.



No.		Diam.	<i>x.</i>	<i>y.</i>	Diam.		<i>x.</i>	<i>y.</i>	B. D.	
									No.	Mag.
R.A. 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 0 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>										
Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°										
Plate 2866. 1895, Sept. 20. Plate 2333. 1894, Nov. 6.										
9482					11	20°33'51	12°28'51			m.
9483					9	21°12'67	12°62'64			
9484					9	21°67'41	12°03'84			
9485	28§	10°54'46	24°44'66	33§	22°21'09	12°49'52	66 1674	9'4		
9486	37§	10°54'28	24°20'47	32§	22°21'85	12°25'38	66 1675	9'0		
9487	14	10°60'85	24°30'72	18	22°27'87	12°36'05				
9488				9	22°38'04	12°47'66				
9489	2*	10°73'83	24°92'18	9	22°38'40	12°97'52				
9490				9	23°27'52	12°65'25				
9491	43§	12°24'46	24°45'14	36§	23°90'87	12°56'51	66 1678	9'1		
9492	11	12°65'78	24°36'60	26	24°32'31	12°50'06				
9493				9	24°47'61	12°50'10				
9494				16	15°74'97	13°26'13				
9495				8	15°99'27	13°85'67				

No.		Diam.	<i>x.</i>	<i>y.</i>	Diam.		<i>x.</i>	<i>y.</i>	B. D.	
									No.	Mag.
R.A. 23 <sup>h</sup> 50 <sup>m</sup> 50 <sup>s</sup> to 0 <sup>h</sup> 0 <sup>m</sup> 0 <sup>s</sup> — <i>contd.</i>										
Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 66° R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°										
Plate 2866. 1895, Sept. 20. Plate 2333. 1894, Nov. 6.										
9496	56§	5°25'06	26°04'35	45§	16°86'17	13°87'81	66° 1661	8'7		m.
9497	6*	6°80'13	26°05'85	12	18°40'70	13°95'66				
9498				13	21°06'46	13°18'69				
9499	21	10°10'58	25°38'52	26§	21°73'23	13°41'52	66 1673	9'5		
9500				9	21°82'11	13°69'24				
9501				12	22°22'57	13°35'61				
9502				5	22°23'64	13°06'53				
9503				10	23°42'24	13°52'78				
9504	19	12°41'82	25°45'94	27	24°04'01	13°58'21				
9505				9	24°49'74	13°69'65				
	50§	6°03'01	26°18'17	97§	25°95'69	1°66'45	65 1995 66 1664	7'8 8'7		

1 réseau interval represents very nearly 5' = 49<sup>s</sup>.2 of R.A. at Dec. + 66°, and 51<sup>s</sup>.2 at Dec. + 67°.

## ZONE + 67°.

R. A. $0^h 0^m$ to $0^h 10^m$							R. A. $0^h 0^m$ to $0^h 10^m$ —contd.							
Centre R. A. $0^h 10^m$ Dec. + 67°				R. A. $0^h 0^m$ Dec. + 68°			Centre R. A. $0^h 10^m$ Dec. + 67°				R. A. $0^h 0^m$ Dec. + 68°			
Plate 1548. 1893, Oct. 22.				Plate 2304. 1894, Oct. 24.			Plate 1548. 1893, Oct. 22.				Plate 2304. 1894, Oct. 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.							B. D.							
No. Mag.							No. Mag.							
1	14	2.6582	14.3305	7	14.4732	2.1396	49	14	5.1798	23.5694	15	16.6268	11.4750	
2	17	5.1094	14.2408	8†	16.9257	2.1481	50	20	7.4237	23.6316	14	18.8669	11.6233	
3	7*	9.8644	14.3289	7*	21.6751	2.4280	51	19	11.0243	23.2148	18	22.4813	11.3534	
4	22	11.9232	14.2771	13	23.7371	2.4524	52	17	11.3077	23.0616	8	22.7694	11.2106	
5	26	12.8467	14.1080	14	24.6628	2.3219	53	13	2.8067	24.6711	13	14.2080	12.4835	
6	6	2.6963	15.8518	5	14.4506	3.6642	54	19	7.4192	24.1228	13	18.8429	12.1134	
7	28	3.5492	15.9358	21	15.2983	3.7782	55	22	8.3119	24.8975	21	19.7046	12.9256	
8	20	4.6387	15.3416	13	16.4153	3.2295	56	45§	10.2427	24.3602	41§	21.6537	12.4657	
9	10	8.6624	15.6774	5	20.4223	3.7258	57	19	4.8535	25.2326	17	16.2339	13.1228	
10	22	4.4607	16.7621	13	16.1762	4.6404	58	49§	4.9627	25.4332	40§	16.3347	13.3257	
11	13	5.0028	16.8451	7†	16.7182	4.7438	59	10	9.4987	25.2867	10	20.8726	13.3624	
12	6	5.3625	16.9340	4†	17.0757	4.8480	60	37§	9.9931	25.0244	37§	21.3778	13.1167	
13	5	6.5011	16.5024	5*	18.2300	4.4614	61	18	11.6187	25.7465	16	22.9761	13.9047	
14	5†	7.2184	16.0926				62	12	12.0595	25.5994	6	23.4212	13.7749	
15	23	7.7166	16.0383	15	19.4628	4.0485	63	23	12.0778	25.2614	19	23.4513	13.4400	
16	4	12.3291	16.4310								48§	16.6606	1.7598	
17	4	13.1227	16.4017									66	1683	9.0
18	53§	2.3347	17.5103	44§	14.0252	5.3017	67	1599	7.7					
19	5	12.3697	17.8522											
20	25	13.7245	17.2730	16	25.4176	5.5207								
21	10	5.7515	18.3394											
22	12	7.8710	18.1388	6	19.5328	6.1540								
23	5	8.3290	18.1923											
24	11	9.3593	18.1547											
25	26	8.1132	19.3531	19	19.7244	7.3783	67	3	9.5					
26	58§	11.8896	19.9541	55§	23.4754	8.1269	67	7	8.3					
27	24	13.1434	19.2112	20	24.7599	7.4362	67	10	9.5					
28	17	13.7732	19.3249	9	25.3844	7.5721								
29	23	13.8329	19.0468	12	25.4547	7.2961								
30	12	3.1118	20.1192											
31	5	7.7135	20.5326											
32	36§	13.1676	20.1967	41§	24.7426	8.4221	67	11	9.1					
33	12	4.3689	21.3719	8	15.9047	9.2439								
34	5	6.9140	21.3635	5	18.4460	9.3385								
35	17	10.7531	21.1189	9	22.2918	9.2485								
36	20	11.3979	21.0567	17	22.9436	9.2097								
37	51§	11.4011	21.3172	49§	22.9332	9.4700	67	6	7.8					
38	21	12.4333	21.1534	12	23.9716	9.3480								
39	16	3.2040	22.2146											
40	15	3.6846	22.5888	15	15.1700	10.4319								
41	15	5.9960	22.3697	10†	17.4867	10.3080								
42	23	6.0318	22.6385	12	17.5144	10.5747	67	2	9.5					
43	5	6.8604	22.3884											
44	22	7.1349	22.3713	9†	18.6268	10.3508								
45	16	10.7358	22.9093											
46	27	11.7552	22.2243	20	23.2514	10.3906								
47	14	13.0081	22.5734	6	24.4871	10.7881								
48	5	13.0387	22.1641	4†	24.5355	10.3783								



## ZONE + 67°.

R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 20 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1548. 1893, Oct. 22.				R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2921. 1895, Oct. 17.				Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 1549. 1893, Oct. 22.				R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2921. 1895, Oct. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B								

ZONE + 67°.

R.A. 0 <sup>h</sup> 20 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 1549. 1893, Oct. 22.				Plate 2921. 1895, Oct. 17.				Plate 1549. 1893, Oct. 22.				Plate 561. 1892, Sept. 15.						
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.				
								B. D.										
								No.	Mag.									
198	8	9.4780	25.7941	14	20.8621	13.8680	°	245	18	24.5842	19.8699	11	13.1518	7.5723	°			
199	16	11.8423	25.5382	18	23.2332	13.7041		246	28	24.5899	19.8554	28	13.1576	7.5591	67 65 9.5			
200	51§	12.2462	25.1717	54§	23.6513	13.3567	67 54 8.5	247	30	14.1133	20.9644	28	2.7268	9.0561				
								248	10	16.5243	20.2508	5	5.1142	8.2562				
				34§	15.5506	1.6408	66 31 9.1	249	17	16.6738	20.9385	17	5.2843	8.9321				
				98§	24.4232	1.7145	66 39 7.5	250	12	20.2478	20.7627	12	8.8531	8.6271				
	50§	0.9698	18.8541				67 32 8.5	251	27	24.5060	20.4309	26§	13.0940	8.1322				
	61§	0.8102	21.6946				67 31 9.0	252	12	15.8451	21.0589	7†	4.4632	9.0853				
	62§	2.0661	24.6347				67 33 9.1	253	11	16.2810	21.2629	12	4.9052	9.2734				
								254	33§	18.2724	21.8963	28§	6.9198	9.8309	67 62 8.0			
								255	44§	21.5511	21.4510	44§	10.1811	9.2688	67 64 9.2			
								256	44§	23.6121	21.3848	43§	12.2358	9.1255				
								257	10	14.8657	22.9300	9	3.5570	10.9879				
								258	24	20.9850	22.0822	21	9.6383	9.9210				
								259	7*	22.2239	22.9141	11	10.9039	10.7031				
								260	30	15.4367	23.7111	28	4.1565	11.7498				
								261	11	15.6265	23.3273	13	4.3322	11.3589				
								262	24	17.1579	23.7137	20	5.8756	11.6899				
								263				9	12.7264	11.2069				
								264	25	15.3244	24.4603	12	4.0687	12.5023				
								265	9†	19.3410	24.7981	11	8.0954	12.6902				
								266	10†	23.9673	24.4353	9	12.7063	12.1572				
								267				16	13.5740	12.0178				
								268	17	16.8475	25.3822	20	5.6256	13.3700				
								269	30	17.2624	25.0673	32§	6.0281	13.0386	67 60 9.5			
								270	29	19.0464	26.0583	29	7.8528	13.9608				
								271	6†	19.0761	26.0211	12	7.8744	13.9240				
								272	7*	19.9644	25.9478	7	8.7642	13.8120				
								273	10	21.6249	26.0878	16	10.4242	13.8916				
								274	8*	22.2059	25.3183	18	10.9830	13.1032				
								275				13	13.5864	13.1393				
												54§	2.2043	6.5443	67 56 6.8			
												55§	1.0241	13.3288	67 54 8.5			
								79§	26.2129	26.2630				67 69 9.0				
R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup>																		
Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 2918. 1895, Oct. 16.				Plate 561. 1892, Sept. 15.				Plate 2918. 1895, Oct. 16.				Plate 561. 1892, Sept. 15.						
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.				
								B. D.										
								No.	Mag.									
276	18	5.8824	14.3183	19	17.6608	2.2173	66° 62 9.3	277	25	8.5450	14.4101	28	20.3158	2.4208	66 66 8.9			
277	25	8.5450	14.4101	28	16.3271	3.1404		278	10	4.5879	15.3008	16	16.3271	3.1404				
278	10	4.5879	15.3008	16	17.1538	3.0936		279	14	5.4127	15.2190	17	17.1538	3.0936				
279	14	5.4127	15.2190	17	21.6780	4.4823		280	9	9.9978	16.4079	6*	21.6780	4.4823				
280	9	9.9978	16.4079	6*	18.8977	5.0646	67 72 9.5	281	21	7.2385	17.1115	28	18.8977	5.0646				
281	21	7.2385	17.1115	28	15.8633	6.3813		282	16	4.2692	18.5618	21	15.8633	6.3813				
282	16	4.2692	18.5618	21	17.8534	6.8297		283	21	6.2759	18.9272	27	17.8534	6.8297				
283	21	6.2759	18.9272	27	23.8665	6.5047	67 77 9.0	284	29§	12.2666	18.3368	46§	23.8665	6.5047				
284	29§	12.2666	18.3368	46§	20.6304	7.4262		285	9	9.0753	19.3942	7	20.6304	7.4262				
285	9	9.0753	19.3942	7	20.9260	7.9924		286	8	9.3979	19.9445	13	20.9260	7.9924				
286	8	9.3979	19.9445	13	20.9756	7.8802		287	11	9.4380	19.8380	23	20.9756	7.8802				
287	11	9.4380	19.8380	23	25.1338	7.2310		288	17	13.5625	19.0000	27	25.1338	7.2310				
288	17	13.5625	19.0000	27	15.2346	8.7563		289	6*	3.7450	20.9617	11	15.2346	8.7563				
289	6*	3.7450	20.9617	11	16.8099	8.7066		290	8	5.3144	20.8435	17	16.8099	8.7066				
290	8	5.3144	20.8435	17	19.3995	8.9527		291	12	7.9122	20.9702	22	19.3995	8.9527				
291	12	7.9122	20.9702	22	20.0006	8.7223		292	11	8.5023	20.7186	9	20.0006	8.7223				
292	11	8.5023	20.7186	9	21.4021	8.1396		293	14	9.8759	20.0707	18	21.4021	8.1396				
293	14	9.8759	20.0707	18														

1 *réseau* interval represents very nearly  $\zeta' = 518.2$  of R.A. at Dec.  $+ 67^\circ$ , and  $538.4$  at Dec.  $+ 68^\circ$ .



## ZONE + 67°.

R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>									R.A. 0 <sup>h</sup> 50 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>																	
Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°											
Plate 2918. 1895, Oct. 16.			Plate 561. 1892, Sept. 15.			Plate 2918. 1895, Oct. 16.			Plate 633. 1892, Oct. 25.			Plate 2406. 1894, Dec. 8.			Plate 633. 1892, Oct. 25.											
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.								No.	Mag.
294	23	9°053	20°3339	27	21°4170	8°3996			342	10	23°6141	24°6227	13	12°3521	12°3577	67°	94	9°5								
295	14	5°5187	21°4627	23	16°9849	9°3329			343	38§	14°4067	25°1044	38§	3°1712	13°1773	67	80	9°3								
296	15	9°4585	21°9379	21	20°9031	9°9828			344	13	15°7650	25°2442	10	4°5342	13°2686											
297	38§	3°5119	23°4954	40§	14°8896	11°2798	67	68																		
298	15	4°2027	24°1788	19	15°5522	11°9920				50§	25°2144	26°3668				67	95	9°0								
299	20	6°3947	23°3338	22	17°7752	11°2420																				
300	6†	6°8965	23°4903	12	18°2732	11°4218																				
301	6*	9°3086	23°2770	9	20°6931	11°3185																				
302	7*	9°3179	23°3106	10	20°6977	11°3514																				
303	10†	9°7032	23°6091	12	21°0744	11°6654																				
304	4	10°2519	23°7157	8	21°6128	11°7987																				
305	54§	6°1380	25°0956	71§	17°4453	12°9919	67	71																		
306	16	7°5966	24°9552	25	18°9046	12°9195																				
307	12	7°6689	24°6443	22	18°9933	12°6106																				
308	10	12°8655	24°0741	19	24°2115	12°2700																				
309	57	3°7524	26°1101	40§	15°0150	13°8992	67	69																		
310	19	6°0793	25°3893	21	17°3731	13°2875																				
311				10†	20°0574	13°1008																				
312	18	9°2250	25°3514	18	20°5154	13°3876																				
313	20	12°2167	25°7109	29§	23°4866	13°8790	67	76																		
314	21	13°2078	25°2724	23	24°4988	13°4816																				
	26§	2°1248	17°9671	25§	17°8009	1°4483	66	63																		
	32§	10°8853	26°4651				67	66																		
							67	75																		
R.A. 0 <sup>h</sup> 50 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup>									R.A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup>																	
Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°											
Plate 2918. 1895, Oct. 16.			Plate 633. 1892, Oct. 25.			Plate 2406. 1894, Dec. 8.			Plate 633. 1892, Oct. 25.			Plate 2406. 1894, Dec. 8.			Plate 2377. 1894, Nov. 21.											
315	9	15°2557	14°8259				66	80	345	7	5°2187	14°6998				66	97	9°2	345	7	5°2187	14°6998				
316	14	17°1354	14°1624						346	7	5°6202	15°2702	6	17°2882	3°1987				346	7	5°6202	15°2702				
317	10	18°9832	14°0659						347	24§	9°7849	15°1632	38§	21°4533	3°2744				347	24§	9°7849	15°1632				
318	6	22°3954	14°5226						348	4	11°8889	15°9254							348	4	11°8889	15°9254				
319	24	15°9847	15°8387	23	4°4055	3°8588	66	75	349	14	5°8153	16°1088	20	17°4446	4°0477	66	96	9°5	349	14	5°8153	16°1088	20	17°4446	4°0477	
320	20	20°1239	15°0622	27	8°5112	2°9286	66	87	350	70§	7°2468	16°9095	80§	18°8364	4°9051	67	98	6°8	350	70§	7°2468	16°9095	80§	18°8364	4°9051	
321	5	20°8467	15°4401						351	10	10°7557	17°5883	7	22°3173	5°7395	67	101	9°5	351	10	10°7557	17°5883	7	22°3173	5°7395	
322	36§	15°8137	16°3455	47§	4°2535	4°3687	66	74	352	5	9°1412	18°4467	5	20°6663	6°5251				352	5	9°1412	18°4467	5	20°6663	6°5251	
323	16	18°3219	16°0314	12	6°7468	3°9601	66	81	353	12	12°0949	18°2588	11	23°6252	6°4650				353	12	12°0949	18°2588	11	23°6252	6°4650	
324	19	15°2247	17°4814	10	3°7042	5°5283	67	82	354	10	2°6966	19°2999	14	14°1917	7°0980				354	10	2°6966	19°2999	14	14°1917	7°0980	
325	12	15°2361	17°7674	6*	3°7279	5°8154			355	9	7°1352	19°6478	11	18°6073	7°6369				355	9	7°1352	19°6478	11	18°6073	7°6369	
326	27§	20°8341	17°0109	31§	9°2924	4°8514	67	90	356	10	13°4276	19°1631	8*	24°9214	7°4294				356	10	13°4276	19°1631	8*	24°9214	7°4294	
327	8	16°7746	18°6215	4*	5°2967	6°6105			357	7	13°6657	20°7090							357	7	13°6657	20°7090				
328	9	22°9796	18°0802	8*	11°4795	5°8426			358	26§	7°8588	21°5698	30§	19°2491	9°5893	67	99	9°3	358	26§	7°8588	21°5698	30§	19°2491	9°5893	
329	9	14°2342	19°5962						359	14	10°3943	21°5873	15	21°7800	9°7190				359	14	10°3943	21°5873	15	21°7800	9°7190	
330	28§	18°0537	19°8008	31§	6°6210	7°7412	67	85	360	18	13°4731	21°9335	22	24°8384	10°2004				360	18	13°4731	21°9335	22	24°8384	10°2004	
331	18	22°7581	20°6212	26	11°3507	8°3906			361	12	6°8243	22°5569	17	18°1689	10°5311				361	12	6°8243	22°5569	17	18°1689	10°5311	
332	9	15°7680	21°2862	4*	4°3901	9°3090			362				8	19°7621	11°1292				362				8	19°7621	11°1292	
333	24	21°7615	21°8548	28§	10°3997	9°6600	67	91	363	24	11°5324	24°1154	39§	22°8048	12°2936	67	102	9°2	363	24	11°5324	24°1154	39§	22°8048	12°2936	
334	5	22°8329	21°0742						364	6	13°6027	24°0923	14	24°8751	12°3651				364	6	13°6027	24°0923	14	24°8751	12°3651	
335	24	16°8706	22°6394	25	5°5412	10°6235	67	83	365				14	14°3374	13°4594				365				14	14°3374	13°4594	
336	10	18°0931	22°2350	9	6°7502	10°1734			366				4	21°6855	13°3057				366				4	21°6855	13°3057	
337	25	18°1317	22°2294	28§	6°7848	10°1648	67	86	367	8	11°5818	25°3845	15	22°8000	13°5648	67	103	9°4	367	8	11°5818	25°3845	15	22°8000	13°5648	
338	10	23°9625	23°0080	9	12°6382	10°7316																				
339	17	25°0158	23°9722	19	13°7294	11°6581																				
340	31§	14°0344	24°6270	33§	2°7799	12°7125	67	79																		
341	29	18°1178	24°4717	26	6°8558	12°4052	67	87																		

No. 360. This star is not given in the B.D., but is given as No. 233 in the *A. G. (Christiania) Catalogue*. Mag. 9.3.

1 réseau interval represents very nearly 5' = 51°2 of R. A. at Dec. + 67°, and 53°4 at Dec. + 68°.

## ZONE + 67°.

R.A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2406. 1894, Dec. 8.				Plate 2377. 1894, Nov. 21.				Plate 587. 1892, Oct. 3.				Plate 2377. 1894, Nov. 21.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.
383	24§	18°9947	17°0388	33§	7°3747	5°0129	67° 114 9'3	432	21	5°1271	19°7401	15†	16°7035	7°6339	
384				9	11°1696	5°0356		433	68§	8°5952	19°2741	63§	20°1873	7°3271	67 134 8'2
385	18	16°4395	18°8103	27	4°8650	6°8820	67 109 9'5	434	45§	12°9934	19°0566	51§	24°5952	7°3176	67 140 8'8
386	14	17°1057	18°7880	21†	5°5308	6°8332		435	28	4°6859	20°1969	26	16°2437	8°0675	
387	9	18°7664	18°3784	8†	7°1762	6°3598		436	23	8°1635	20°0006	20	19°7237	8°0376	
388	3*	20°0638	18°5238	4*	8°4776	6°4565		437	23	5°0046	21°8213	31	16°4851	9°7085	67 129 9'5
389	6	15°0959	19°9579	12†	3°5701	8°0797		438	11	5°8249	21°3101	14†	17°3252	9°2371	
390	22	23°4852	19°0382	32§	11°9147	6°8387	67 121 9'2	439	18	6°2841	21°8131	13	17°7622	9°7586	67 130 9'4
391	30§	25°0743	19°2353	37§	13°5076	6°9719	67 127 9'3	440	4	6°3357	21°7520	4*	17°8152	9°6992	
392	18	15°5873	20°8986	29	4°0966	9°0001	67 107 9'5	441	34	6°4359	21°7214	33	17°9222	9°6755	
393	15	17°3507	20°9916	22	5°8629	9°0294		442	28	7°0066	21°9026	28	18°4818	9°8830	67 132 9'4
394	37§	19°2025	20°4997	48§	7°6927	8°4595	67 115 8'0	443	20	13°1696	21°3136	9*	24°6055	9°5779	
395	10*	23°5353	20°1186	18	12°0242	7°9163		444	17	3°3256	22°0496	18	14°7959	9°8570	
396	25	14°4856	21°5202	28	3°0171	9°6641	67 106 8'9	445	6	8°1473	22°8717	6*	19°5747	10°9040	
397	22	14°5128	21°5114	27	3°0466	9°6559		446	20	10°5361	22°6999	17	21°9732	10°8411	67 136 9'3
398	25	21°7438	21°0545	38§	10°2531	8°9197	67 118 8'7	447	30§	11°4410	22°1297	26	22°9037	10°3114	67 139 9'5
399				13	10°9219	9°4148		448	17	6°7406	23°7977	16	18°1259	11°7607	
400	92§	24°2301	21°4030	98§	12°7526	9°1720	67 123 5'2	449	11	7°4834	23°7105	15	18°8731	11°7098	
401	28	24°3167	21°3805	38§	12°8372	9°1461	67 124 9'2	450	6	10°6553	23°5856	6*	22°0473	11°7317	
402	5†	20°5956	22°6611	9	9°1667	10°5732		451	16	12°6179	23°5367	11*	24°0050	11°7727	
403	15	18°2957	23°4812	29	6°9029	11°4794	67 112 9'4	452	18	12°8994	23°0516	9*	24°3136	11°3002	
404	22	22°2874	23°7073	33§	10°9012	11°5486	67 119 9'4	453	22	5°2773	24°4228	22	16°6353	12°3149	
405	14	14°0553	25°3383	28	2°7362	13°5004	67 105 9'5	454	69§	8°5135	24°6701	58§	19°8580	12°7157	67 133 7'4
406	9	17°0836	25°8704	25	5°7818	13°9162		455	16	11°5365	24°1674	13	22°9039	12°3502	
407	14*	23°6926	25°8394	29§	12°3850	13°6295	67 122 9'5	456	7	13°5257	24°0633				
408	11	21°4460	26°0604	29	10°1527	13°9343	67 117 9'5	457	29§	13°5754	24°9362	25	24°9040	13°2143	
409				16	13°2301	13°7377	67 126 9'5	458	6	9°6625	25°6872	6†	20°9598	13°7861	
				43§	10°6762	0°9958	66 111 8'8	459	59§	10°7604	25°2654	56§	22°0739	13°4129	67 137 8'5
				28	2°0228	10°1174		460	11	10°7706	25°7926	14	22°0569	13°9414	
	53§	20°4183	26°4970				67 116 8'2								
R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup>								R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
Plate 587. 1892, Oct. 3.				Plate 2377. 1894, Nov. 21.				Plate 587. 1892, Oct. 3.				Plate 2322. 1894, Nov. 5.			
410	17	2°9397	14°7928	16	14°7458	2°5922		461	17	23°6342	13°9801	7†	11°9521	1°8152	
411	32§	3°3935	14°3576	31	15°2171	2°1805	66 117 9'1	462	39§	14°5436	14°8361	49§	2°8958	2°9844	66 139 8'0
412	25	3°5066	14°4210	18	15°3253	2°2448		463	30§	17°7153	14°3471	24	6°0479	2°3879	66 144 9'5
413	10	6°0408	14°7290					464	6	19°9431	14°6599				
414	46§	7°1347	14°6608	57§	18°9448	2°6520	66 122 8'9	465	50§	22°0066	14°6802	50§	10°3513	2°5720	66 152 8'1
415	40§	11°7658	14°0643	41	23°6021	2°2701	66 132 9'5	466	31§	24°1496	14°0159	29	12°4655	1°8327	66 154 9'4
416	9	12°6841	14°5178					467	6	17°6160	15°3830	5*	5°9877	3°4287	
417	24	5°4144	15°1343	16	17°1977	3°0414		468	13	19°5097	15°5470	9	7°8844	3°5270	66 146 9'5
418	11	6°1693	15°7202					469	26	25°0760	15°9160	25	13°4593	3°6985	
419	86§	12°9959	15°1091	113§	24°7832	3°3664	66 134 7'3	470	4	17°4414	16°1255				
420	19	13°3344	15°8185					471	33§	17°8886	16°8703	31§	6°3113	4°9066	67 147 9'5
421	18	13°7909	15°3586					472	53§	15°9329	17°6018	48§	4°3806	5°7036	67 145 8'8
422	11	5°7982	16°3276					473	11	17°0302	17°5097	9	5°4738	5°5761	
423	21	11°2300	16°8205	12*	22°9346	4°9951		474	16	21°0855	17°2688	14	9°5208	5°1914	67 152 9'5
424	29	13°6496	16°8493	22†	25°3504	5°1353	67 142 9'5	475	9	21°3013	17°0897	9	9°7281	5°0047	
425	10	4°3843	17°1894					476	6	16°9474	18°6231	5*	5°4316	6°6922	
426	4	5°1483	17°4279	4†	16°8306	5°3251		477	6	21°8630	18°3706	6†	10°3345	6°2651	
427	8	10°3910	17°8264	7*	22°0517	5°9627		478	16	14°6439	19°6360	11	3°1650	7°7814	
428	38§	6°8058	18°4107	40§	18°4384	6°3822	67 131 9'0	479	9	21°3814	19°7471	9	9°8995	7°6571	
429	27	10°8945	18°5300	21	22°5200	6°6903	67 138 9'3								
430	47§	13°0520	18°7043	58§	24°6699	6°9684	67 141 8'7								
431	22	2°6513	19°4646	22	14°2400	7°2421									

Plate 2377. The star whose co-ordinates are 2°0228, 10°1174, is not given in the B. D., but is given as No. 233 in the *A. G. (Christiania) Catalogue*. Mag. 9.3.

1 réseau interval represents very nearly 5' = 51.2 at Dec. + 67°, and 53.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup> —contd.									R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 587. 1892, Oct. 3.			Plate 2322. 1894, Nov. 5.						Plate 1598. 1893, Nov. 12.			Plate 2322. 1894, Nov. 5.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
480	18	23°77'21	19°68'23	17	12°28'79	7°51'17	°	m.	527	38§	4°86'04	18°9444	35§	16°43'56	6°7689	67° 162	9°2	
481	13	24°17'34	19°32'11	13	12°6'62	7°13'29			528	27	9°40'85	18°5669	17	20°99'41	6°5770			
482	14	16°57'59	20°91'19	13	5°14'33	8°99'17			529	28	10°39'12	18°00'88	19	22°00'06	6°05'87			
483	20	17°00'45	20°93'27	19	5°57'05	8°99'74			530	22	10°41'11	18°73'84	15	21°99'19	6°79'08			
484	118§	19°63'33	20°36'22	114§	8°17'83	8°33'64	67	149	531	9	10°86'59	18°39'11						
485	31§	16°19'59	21°25'14	29§	4°77'44	9°34'60	67	146	532	12	11°32'04	18°88'12						
486	16	16°40'54	21°99'94	14	5°00'89	10°08'20			533	9	11°44'83	18°62'62						
487	24	19°48'60	21°82'94	24	8°08'30	9°80'23	67	148	534	10	12°05'96	18°93'04	6†	23°62'77	7°04'72			
488	36§	25°21'25	21°45'28	34§	13°78'75	9°23'20	67	156	535	14	13°03'53	18°79'87						
489	24	18°07'33	22°06'21	21	6°67'51	10°08'51			536	27	3°58'38	19°51'19	26	15°13'52	7°28'65	67	159	
490	20	20°23'62	22°39'02	13	8°85'32	10°34'02			537	28	9°82'84	19°37'80	22	21°38'55	7°40'53			
491	10	22°72'28	22°62'81	10	11°34'51	10°48'90			538	34	12°20'84	19°12'64	33	23°77'17	7°25'01	67	171	
492				8	12°45'82	10°03'76			539	14	12°52'66	19°45'38	5†	24°07'43	7°58'93			
493	14	24°19'42	22°40'33	14	12°80'43	10°21'57			540	26	13°24'99	20°66'43	16	24°74'96	8°33'02			
494	9	14°35'11	23°32'26	11	3°00'21	11°47'65			541	9	7°63'11	21°18'19	9	19°11'37	9°12'00			
495	15	17°18'39	23°84'13	12	5°84'95	11°89'74			542	81§	10°40'84	21°85'18	81§	21°86'36	9°89'92	67	168	
496	25	22°75'49	23°71'18	25	11°41'43	11°57'35			543				10	14°62'13	10°19'07			
497	16	19°06'18	24°40'66	17	7°74'81	12°39'78			544	67§	8°74'79	22°25'12	54§	20°18'79	10°23'30	67	165	
498	5*	19°06'36	24°49'31	7	7°74'97	12°48'16			545	18	12°35'37	22°97'89	12	23°75'76	11°10'42			
499	43	20°87'49	24°25'49	42	9°55'47	12°18'17	67	151	546	28	3°28'43	23°36'95	29	14°68'20	11°12'78	67	158	
500	6	24°81'36	24°42'54	13	13°49'71	12°20'95			547	35	9°21'45	23°34'28	30§	20°60'78	11°34'17	67	166	
501	12	25°23'29	24°73'08	21	13°92'09	12°50'33			548	25	10°74'44	23°43'68	19	22°13'42	11°49'92			
502	35§	14°08'58	25°61'12	32§	2°82'00	13°77'53	67	146	549	25	3°99'08	24°64'91	25	15°33'46	12°43'39	67	160	
503	12	14°37'16	25°04'01	15	3°08'31	13°19'44			550	79§	7°11'59	24°39'04	72§	18°47'02	12°30'07	67	164	
504	18	18°08'45	25°23'99	17	6°80'19	13°26'19			551	20	8°70'57	24°60'15	26	20°05'07	12°57'77			
505	10	19°10'66	25°77'44	10	7°83'87	13°76'06			552				4	20°22'01	12°68'02			
506	10	22°46'15	25°63'67	15	11°18'47	13°50'43			553	51§	12°07'44	24°54'76	43§	23°41'71	12°66'18	67	170	
507	11	23°13'61	25°87'49	17	11°87'37	13°72'27	67	154	554	18	4°42'99	25°55'67	19	15°73'70	13°35'96	67	161	
508	10†	23°56'71	25°06'18	15	12°27'05	12°89'35			555				5	18°75'81	13°71'23			
				105§	1°35'57	3°31'38	66	134	556	43§	7°16'18	25°03'17	35§	18°48'89	12°94'31	67	163	
				55§	1°53'84	6°90'77	67	141	557	20	9°70'34	25°01'06	24	21°03'04	13°02'69			
				49§	1°49'51	7°26'18	67	140	558				4	21°34'50	13°88'37			
	55§	25°66'07	16°91'22				67	157	559	9*	10°32'95	25°47'67	13	21°63'52	13°52'13			
									560	12	11°07'91	25°63'73	13	22°37'78	13°70'88			
													102§	26°87'21	3°27'91	66	171	
										85§	2°44'84	27°20'58				67	155	
R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup>									R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup>									
Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						
Plate 1598. 1893, Nov. 12.			Plate 2322. 1894, Nov. 5.						Plate 1598. 1893, Nov. 12.			Plate 2381. 1894, Nov. 21.						
509	35§	4°57'82	14°45'76	28	16°33'48	2°27'55	66°	160	561	45§	14°27'13	15°93'35	53§	2°76'66	4°11'79	66°	170	
510	18	7°26'24	14°74'51	9	19°00'24	2°67'30			562	17	14°50'64	15°47'13	10†	2°98'99	3°64'79			
511	31§	10°29'67	14°17'97	36	22°06'13	2°23'12	66	169	563	76§	15°14'26	15°03'66	85§	3°60'14	3°18'67	66	171	
512	19	10°62'44	14°64'98	18	22°37'17	2°71'13			564	12	21°45'25	15°83'88	12	9°94'15	3°73'37			
513	12	3°86'02	15°05'24	9	15°59'09	2°84'33			565	30	21°52'79	15°72'41	32	10°01'39	3°61'56	66	180	
514	68§	4°92'41	15°95'16	53§	16°62'18	3°78'14	66	161	566	4†	22°29'93	15°54'63	4	10°77'48	3°40'89			
515	40§	6°71'86	15°61'94	35§	18°42'99	3°52'21	66	164	567	21	17°13'28	16°73'99	15	5°66'44	4°80'68			
516	10	10°59'61	15°85'24						568	12	17°58'98	16°04'06	4	6°09'17	4°09'27			
517	52§	2°42'15	16°94'41	49§	14°08'01	4°67'28	67	157	569	8†	18°03'56	16°84'85	8†	6°57'00	4°87'94			
518	17	3°57'55	16°49'10	16	15°24'96	4°26'67	66	158	570	29	19°04'04	16°77'02	31	7°56'94	4°76'09			
519	5*	3°87'45	16°31'30	5†	15°55'64	4°10'22			571	12	19°52'55	16°47'14	18	8°04'19	4°44'50			
520	46§	9°61'32	16°99'14	45§	21°26'43	5°01'32	67	167	572	8*	20°51'44	16°14'52	9	9°01'66	4°07'47			
521	17	2°96'46	17°26'92	17	14°60'95	5°01'79			573	48§	22°69'72	16°43'12	52§	11°21'10	4°27'50	66	181	
522	12	5°61'02	17°13'88	12	17°25'89	4°99'34			574	46§	22°73'67	16°54'46	48§	11°25'56	4°38'65	66	182	
523	5	6°51'77	17°13'53	4†	18°16'50	5°03'29			575	9	24°36'03	16°44'55	12	12°87'10	4°22'24			
524	19	11°14'49	17°52'16	8	22°77'48	5°00'34			576	8†	24°36'71	16°06'66	11	12°86'47	3°84'48			
525	23	12°18'45	17°44'50	7†	23°81'57	5°56'86												
526	33§	13°01'61	17°02'51	34	24°66'42	5°18'35	67	172										

1 réseau interval represents very nearly 5' = 51".2 of R.A. at Dec. + 67°, and 53".4 at Dec. + 68°.

ZONE + 67°.

R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					
Plate 1598. 1893, Nov. 12.				Plate 2381. 1894, Nov. 21.				Plate 1634. 1893, Dec. 1.				Plate 2381. 1894, Nov. 21.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.									
577	538	24.6551	16.0765	528	13.1524	3.8403	66° 183	m.	627	17*	4.6050	16.4702	17	16.4146	4.3032	°	m.
578	6†	21.1931	17.7930	6	9.7624	5.6965			628	25	7.2389	16.0818	24	19.0661	4.0315		
579	8†	21.7449	17.4454	9	10.2982	5.3250			629	27	9.7110	16.5016	24	21.5154	4.5609		
580	12	23.6003	17.3147	12	12.1474	5.1231			630	618	11.0549	16.5562	678	22.8589	4.6690	67 191	7.8
581	12	16.5855	18.6540	14	5.1932	6.7417			631	368	11.2164	16.5075	468	23.0206	4.6275	66 193	9.3
582	17	19.1243	18.7241	16	7.7314	6.7092			632	13	4.3465	17.6160	21	16.1074	5.4383		
583	278	20.2444	18.0039	288	8.8234	5.9469			633				13	16.3229	5.4116		
584	398	22.5732	18.2800	348	11.1607	6.1291	67 182	9.5	634				6	16.9146	5.8410		
585	18	15.6369	19.0371	16	4.2624	7.1645			635				4	17.3974	5.4235		
586	13	18.1468	19.9400	14	6.8068	7.9631			636	26	9.4030	17.7634	22	21.1548	5.8093		
587	4*	21.1400	19.7512	4	9.7894	7.6577			637	17	10.0666	17.8513	21	21.8125	5.9264		
588	24	25.3577	19.1872	26	13.9811	6.9217	67 183	9.3	638	20	2.3744	18.4111	318	14.1024	6.1476		
589	23	15.1453	20.6764	20	3.8364	8.8247			639	11*	4.0647	19.1297	20	15.7565	6.9404		
590	10	15.9201	20.1202	10	4.5851	8.2379			640				6	15.7630	6.9321		
591	12	18.1509	20.5726	14	6.8340	8.5974			641	10	6.5050	18.4519	20	18.2281	6.3696	67 187	9.5
592	25	18.9854	20.5944	21	7.6694	8.5827			642	4*	12.5109	18.2723	4*	24.2372	6.4494		
593	9	17.3424	21.4225	9	6.0636	9.4805			643	508	13.2911	18.4334	648	25.0122	6.6458	67 192	8.8
594	9	17.8272	21.0588	9	6.5314	9.0966			644				6	15.2266	7.5325		
595	388	20.4015	21.3121	348	9.1133	9.2477	67 179	9.3	645				5	16.4849	7.4291		
596	13	22.8354	21.8350	21	11.5666	9.6699			646				9	18.3020	7.2497		
597	31	15.5641	22.6277	28	4.3333	10.7565			647				12	18.4952	7.0877		
598	408	15.9982	22.9106	448	4.7807	11.0205	67 176	9.2	648				10	20.7622	7.4406		
599	15	16.6477	22.4176	15	5.4071	10.5027			649	448	10.6662	19.1713	498	22.3571	7.2694	67 190	9.0
600	10	17.5419	22.9462	10	6.3223	10.9931			650				8	22.6862	7.3315		
601	12	18.3549	22.4437	12	7.1135	10.4594			651	20	11.4220	19.5772	18	23.0931	7.7089		
602	6*	19.0142	22.8825	7	7.7920	10.8687			652	28	13.2971	19.7415	31	24.9593	7.9525		
603	36	19.2289	22.5684	328	7.9933	10.5501	67 178	9.5	653	7*	4.6652	20.3417	20	16.3101	8.1785		
604	16	21.6081	22.9232	20	10.3840	10.8066			654	28	7.3352	20.5396	338	18.6662	8.4911	67 188	9.4
605				6	10.4352	10.0659			655	3*	7.3704	20.0699	7	19.0220	8.0207		
606	468	21.7776	22.8098	448	10.5509	10.6880	67 180	9.0	656	26†	3.1802	21.7103	278	14.7638	9.4794		
607	13	24.3368	22.7168	23	13.1048	10.4899			657				11	17.4195	9.3603		
608	448	14.6553	23.5781	418	3.4682	11.7412	67 174	9.2	658	548	9.7992	21.9072	648	21.3693	9.9642	67 189	8.0
609	9	16.0959	23.7943	10	4.9136	11.9001			659	388	10.5586	21.8327	378	22.1332	9.9219		
610	10	16.2615	23.2958	12	5.0574	11.3944			660	28	11.1210	21.5889	23	22.7052	9.7019		
611	27	16.3335	23.8557	24	5.1522	11.9520			661	20	13.7549	21.0419	16	25.3581	9.2722		
612	26	16.7204	24.2485	24	5.5552	12.3302			662				18	15.3949	10.9897		
613	12	19.6879	24.3869	14	8.5254	12.3472			663	19	6.2252	22.2397	298	17.7849	10.1402		
614	6	20.2729	24.0600	7	9.0962	11.9960			664	29	11.6988	22.3347	27	23.2473	10.4730		
615				6	13.8432	12.2171			665	6	13.4170	21.8487	12	24.9856	10.0626		
616	22	17.8947	25.9229	26	6.7961	13.9525			666	618	4.1691	23.7868	468	15.6635	11.5962	67 185	9.0
617	10	19.9067	25.3797	14	8.7895	13.3279			667	16	6.5148	23.3500	25	18.0248	11.2605	67 186	9.5
618				13	10.3716	13.2756			668				7	25.0252	11.6997		
	528	14.4278	26.5448				67 173	8.5	669				8	19.1245	12.5331		
									670				15	19.1573	12.0144		
									671	16	9.2063	24.8605	298	20.6460	12.8885		
									672				14	22.0357	12.9824		
									673				17	15.3020	13.3719		
										568	1.3222	16.1464	768	23.0819	2.0894	66 192	9.0
																66 183	8.9
R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup>								R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 20 <sup>m</sup>									
Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					
Plate 1634. 1893, Dec. 1.				Plate 2381. 1894, Nov. 21.				Plate 1634. 1893, Dec. 1.				Plate 615. 1892, Oct. 10.					
619	10*	4.7097	15.0960	18	16.5793	2.9379	°	m.	674	6*	14.4098	14.6965	7*	2.8116	2.8207	°	m.
620	9	9.1786	14.8904	9*	21.0520	2.9279			675	33	17.1035	14.2550	398	5.4851	2.2801	66 202	9.4
621	29	2.4010	15.3949	34	14.2591	3.1351			676	3*	19.0394	14.2199	7*	7.4216	2.1708		
622	11	3.3066	15.8980	25	15.1430	3.6776											
623	29	7.4982	15.0903	33	19.3660	3.0525											
624	28	11.3335	15.1927	39	23.1948	3.3235	66 194	9.4									
625	26	11.3454	15.5556	31	23.1898	3.6868	66 195	9.3									
626				19	15.0461	4.0689											

1 *réseau* interval represents very nearly  $5' = 51^{\circ}2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\circ}4$  at Dec.  $+ 68^{\circ}$ .



## ZONE + 67°.

R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1634. 1893, Dec. 1.				R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 615. 1892, Oct. 10.				Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 703. 1892, Dec. 24.				R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 615. 1892, Oct. 10.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
677	8	24.4322	14.4040	24	12.8155	2.1545		730	12	10.1187	13.9993	16	21.8554	2.1106	
678	7	17.5949	15.2169	13	6.0128	3.2207		731	70§	11.5548	14.8086	77§	23.2608	2.9745	66 223 7.0
679	9	19.0186	15.9582	21	7.4648	3.9087	66 204 9.5	732	23	2.4896	16.1473	33§	14.1451	3.9540	66 210 9.3
680				10	11.3042	3.8825		733	8*	2.8358	15.7253	20	14.5093	3.5465	
681	8*	16.0248	16.4684	9	4.4903	4.5303		734	33§	5.0332	15.5990	41§	16.7103	3.5113	66 216 8.9
682	20	18.4378	16.9582	19	6.9225	4.9292		735	6†	8.0324	14.9781	9	19.7317	3.0040	
683	18	20.6469	16.7756	31§	9.1231	4.6638		736	34§	9.8646	15.5659	41§	21.5379	3.6648	66 220 9.4
684				14	9.9160	4.7662		737	13	10.1548	15.6390	19	21.8248	3.7512	66 222 9.5
685	32§	18.5494	17.0427	36§	7.0353	5.0102	67 197 9.2	738	10	13.2901	15.0158	15	24.9849	3.2503	
686	33§	18.7940	17.9256	41§	7.3133	5.8815	67 200 8.8	739				6†	14.3521	4.4677	
687	31	23.8145	17.2399	35§	12.3050	5.0124	67 203 9.4	740				9	17.3973	4.0025	
688				17	13.0108	5.8477		741	6†	6.1348	16.8918	13	17.7629	4.8431	
689				15	13.8969	5.7595		742	20	3.9132	17.8754	29	15.5026	5.7385	
690	32	18.6483	18.5893	30§	7.1912	6.5510		743	29§	8.7601	17.9367	39§	20.3429	5.9910	67 211 9.2
691	29	19.3705	18.8763	31§	7.9236	6.8113		744	46§	9.6046	17.5827	57§	21.1984	5.6725	67 212 7.8
692	14	20.7808	18.8144	17	9.3321	6.6992		745				10	21.5757	5.5078	
693				8	11.9032	6.6161		746	29§	9.9907	17.5522	39§	21.5865	5.6552	67 213 9.2
694	34§	14.3707	19.7107	38§	2.9566	7.8308	67 193 9.5	747				10	23.5514	5.6559	
695	13	17.1212	19.5460	18	5.7020	7.5625		748	9	13.7954	17.5914	17	25.3870	5.8444	
696	5*	17.5545	19.7897	11	6.1452	7.7937		749	38§	8.2846	18.8705	43§	19.8318	6.9055	67 210 8.8
697				10	6.9616	7.9373		750	14	13.6029	18.0758	22	25.1761	6.3202	
698	22	18.5140	19.7313	26§	7.1004	7.6980		751				10	15.5393	7.7633	
699	21	23.1364	19.2766	24§	11.7009	7.0753		752	10†	5.3656	19.9365	9	16.8727	7.8555	
700				10†	13.0728	7.5614		753				10	19.7402	7.8523	
701	16	16.8763	20.0134	20	5.4756	8.0391		754	9	9.6580	19.0441	20	21.1921	7.1312	
702	32	18.4785	20.5048	33§	7.0946	8.4735	67 198 9.2	755	9	10.4251	19.0041	21	21.9631	7.1253	
703				12	7.2346	8.7483		756	13	13.1986	18.9633	18	24.7344	7.1904	
704	16	20.8219	20.5384	26	9.4351	8.4207		757	19	4.7710	20.1968	26	16.2659	8.0915	
705				5	12.7374	8.1109		758				7	16.2919	8.1259	
706	7*	24.8412	20.4059	14	13.4465	8.1359		759	6*	8.0108	20.9502	10	19.4740	8.9735	
707				6	13.5872	8.1342		760	7*	8.2921	20.9183	14	19.7561	8.9515	
708	13	15.8638	21.3688	19	4.5134	9.4345		761	21	8.6875	20.2209	30§	20.1811	8.2693	
709				8	5.9674	9.3818		762	16	9.4470	20.2156	28§	20.9389	8.2965	
710	37§	17.5361	21.4679	37§	6.1874	9.4692	67 195 9.1	763	28	9.4879	20.5253	34§	20.9684	8.6063	
711	3*	18.2931	21.3526	12	6.9401	9.3223		764	9	9.7107	20.4799	17	21.1921	8.5687	
712	28	19.3339	21.1828	30§	7.9744	9.1194	67 201 9.5	765	10	11.3829	20.1571	23	22.8733	8.3126	67 216 9.5
713	9	21.8214	21.6886	20	10.4780	9.5315		766				13	14.6801	9.5342	
714	12†	22.9892	21.7154	18	11.6439	9.5173		767	6†	7.5859	21.5304	17	19.0256	9.5357	
715				11	13.6394	9.8354		768				13	19.6324	9.9885	
716				4	5.0965	10.5222		769	34§	10.5008	21.8258	43§	21.9255	9.9460	67 214 9.1
717				12	7.9495	10.6306		770	52§	13.8529	21.4473	73§	25.2915	9.7002	67 217 7.7
718				9	11.6116	10.8103		771	5*	7.1192	22.0944	14	18.5385	10.0805	
719				12	13.0199	10.4997		772	29	4.4203	23.3999	35§	15.7887	11.2783	67 207 9.2
720	35	24.4159	22.7763	36§	13.1102	10.5221	67 206 9.3	773				16	21.0563	11.7579	
721	13*	16.7645	23.6775	24	5.4993	11.7066		774				17	14.7602	12.1232	
722				12	5.8635	11.5508		775	21	8.4043	24.2519	33§	19.7348	12.2876	
723				7	10.2247	11.1945		776				10	20.7790	12.0662	
724	48§	16.2477	24.6475	46§	5.0191	12.6939	67 194 8.9	777				16	15.6224	13.6739	
725				9	8.5846	12.2485		778	5*	6.3223	25.5104	19	17.6059	13.4636	
726	4*	22.2340	24.2104	21	10.9831	12.0374		779	35	6.3743	25.8034	42§	17.6441	13.7580	67 209 9.0
727				12	6.5881	13.5698		780				9	20.8539	13.0015	
728	49	18.7784	25.6162	47§	7.5833	13.5682	67 199 9.0	781	4*	10.3237	25.1832	14	21.6184	13.2910	
729				14	13.1953	13.6571		782	72§	10.8162	25.0921	84§	22.1141	13.2228	67 215 7.5
				67§	4.1345	1.4038	66 201 9.0					131§	15.0212	1.3584	66 213 4.7
				52§	1.8332	6.5975	67 192 8.8					58§	15.6118	1.7291	66 214 8.8
	56§	17.8344	27.0165				67 196 8.8					53§	16.2642	1.5586	66 215 9.0
	70§	27.2426	14.0819				66 214 8.8					75§	21.0005	1.7259	66 219 8.1
												63§	26.7865	5.1780	67 219 8.6
								37	1.7687	26.2925					67 205 9.1

No. 686, B. D. 67° 200. The declination given in the B. D. appears to be about 2' too small.

No. 731, B. D. 66° 223. The declination given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.

ZONE + 67°.

R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup>								R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 703. 1892, Dec. 24.				Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 706. 1892, Dec. 25.				Centre R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 1641. 1893, Dec. 1.				Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 706. 1892, Dec. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
783	18	20.1259	14.1803	20	8.4536	2.1417	°	833				7	24.8874	11.5413	°
784	18	24.3997	15.6560	31	12.7851	3.4378	66 230	834	8*	12.6596	24.6332	10	23.9770	12.8169	m.
785	17	17.9134	15.9837	16	6.3224	4.0342		835				9†	24.0580	13.2653	
786	10*	20.9617	16.2363	16	9.3757	4.1578	66 228					48§	14.3619	1.2098	66 232
787	39§	15.1694	16.8684	52§	3.6133	5.0300	67 219					59§	26.2132	4.5121	67 237
788	10	16.7160	16.9212	14	5.1631	5.0212						48§	25.8934	8.1772	67 236
789	21	23.4858	17.8600	23	11.9663	5.6798	67 227								
790	6*	24.1033	18.1150	15	12.5915	5.9044									
791	17	14.0493	17.9091	18	2.5379	6.1182									
792				8†	5.1925	6.0824									
793	92§	21.1897	18.8522	90§	9.7102	6.7642	67 224								
794	5*	22.1815	18.8560	12	10.7032	6.7283									
795	8†	22.4644	18.6483	12	10.9743	6.5091									
796	42§	22.5216	18.7168	44§	11.0360	6.5721	67 226								
797	14	16.0598	19.1600	20	4.5998	7.2809									
798	13	20.3299	19.4115	17	8.8741	7.3572									
799	8	24.4630	19.3067	18	13.0003	7.0820									
800	45§	18.3210	21.6102	48§	6.9625	9.6376	67 222								
801				9	10.0724	9.6897									
802				10	12.5832	12.8854									
803				12	12.9151	12.8147									
804	22	14.6047	25.1683	22	3.3949	13.3464	67 218								
805				7	5.7865	13.6623									
806	4*	20.6610	25.3449	12	9.4533	13.2718									
807	41§	21.0562	25.8073	32§	9.8641	13.7186	67 223								
808				10	10.1333	13.4410									
	53§	17.5606	26.4498	63§	2.4879	9.6608	67 217								
							67 221								
R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup>								R.A. 2 <sup>h</sup> 50 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 1641. 1893, Dec. 1.				Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 706. 1892, Dec. 25.				Centre R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 1641. 1893, Dec. 1.				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.			
809	7*	3.4409	14.4942	9	15.1970	2.2955	°	836	5	18.7074	14.1897				°
810	21	10.9638	14.6065	16*	22.7088	2.7282		837	15	18.7379	14.2873				m.
811	13	11.2381	14.6338					838	65§	23.3355	14.3728	42§	11.7147	2.0864	66 242
812	25	13.7982	14.9111	18†	25.5253	3.1495	66 237	839	17	16.2048	15.7215				7.8
813	8	12.1926	15.0508					840	26	20.9118	15.4410				
814	18	2.9804	16.8438	19	14.6290	4.6245		841	41§	14.5431	16.2420	21	2.9874	4.2476	67 237
815	40§	5.8465	16.9466	40§	17.4958	4.8451	67 231	842	6	18.2434	16.4038	4	6.6923	4.2851	9.0
816	14	10.4040	16.5891	9†	22.0645	4.6833		843	29	19.4852	16.5420	12†	7.9369	4.3850	67 238
817	13	13.7037	16.9869					844	39	24.2993	16.4328	28§	12.7456	4.1128	67 244
818	23	5.7244	17.9518	24	17.3314	5.8442	67 229	845	39	23.2813	18.2974	24	11.7853	6.0104	67 243
819	26	11.2345	17.2947	19	22.8637	5.4228		846	41§	14.3768	19.9162	23§	2.9461	7.9279	9.1
820	54§	5.7615	18.8818	42§	17.3274	6.7770	67 230	847	19	19.7135	19.6661	15	8.2668	7.4997	67 240
821	37§	10.1670	18.7451	37§	21.7357	6.8291	67 233	848	5	20.6535	19.9787	4	9.2182	7.7797	9.0
822	13	13.7872	18.2283	9	25.3768	6.4643		849	8	17.9752	20.4834	5	6.5570	8.3724	
823				11	17.2084	7.1872		850	12	20.3889	20.3803	6	8.9655	8.1898	
824	11	17.7351	19.5129	14	19.2759	7.4907		851	28	22.6295	20.0955	12	11.1965	7.8312	67 245
825	33§	4.0693	21.6622	27§	15.5232	9.4832		852	16†	24.9512	20.7013	15	13.5353	8.3608	9.5
826	46§	6.0459	21.5037	30§	17.5030	9.4085	67 232	853				7	9.8957	10.4029	
827	6*	12.0477	22.3296	9†	23.4653	10.4880		854				5	13.7042	10.5223	
828	9†	12.0568	22.2065	10	23.4775	10.3662		855	11†	21.2182	24.6665	15	9.9368	12.4493	
829	6*	13.1911	22.4666	9†	24.5978	10.6758		856				17	12.9672	12.7997	
830				13	15.3126	11.4828		857	9	14.1567	25.7862	6	2.9172	13.7985	
831	60§	11.8193	23.2386	50§	23.1955	11.3872	67 234	858				6†	10.3344	13.8253	
832	31	13.3488	23.0488	30§	24.7287	11.2634			84§	26.4612	26.0178				67 246
R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 10 <sup>m</sup>								R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2963. 1895, Dec. 3.				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.				Centre R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2963. 1895, Dec. 3.				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.			
859	25	6.1751	14.6161					860	44§	6.6848	14.3072	42§	18.5445	2.2055	66 247
861	4	7.6109	14.0110					862	21	8.6819	14.2286				8.3
863	25	9.6688	14.0301					864	11	13.8447	14.8851				
865	33	2.4766	15.3263					866	4†	5.2030	15.8716	23	14.2906	3.0328	66 243
867	4	6.7224	15.1548					868	35§	8.9845	15.8524	11	20.7702	3.8534	66 250
869	16	9.3845	15.8678					870	17	10.8672	15.5793				9.3
871	15	13.6815	15.9050					872	11	5.2721	16.0974				
873	14	6.7510	16.6349												

No. 812, B. D. 66° 237. The declination given in the B. D. appears to be about 3' too small.

1 réseau interval represents very nearly  $5' = 51^{\text{s}}.2$  of R.A. at Dec.  $+67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+68^{\circ}$ .



## ZONE + 67°.

R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup>							
Centre		R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre		R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2963. 1895, Dec. 3.				Plate 720. 1893, Jan. 2.				Plate 2963. 1895, Dec. 3.				Plate 715. 1892, Dec. 30.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.

ZONE + 67°.

R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 20 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. +67° Plate 2963. 1895, Dec. 3.				R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 715. 1892, Dec. 30.				Centre R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 3015. 1896, Feb. 22.				R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 715. 1892, Dec. 30.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
989	11	18·2159	24·2098				°	1039	15	12·4371	18·0895	14†	24·0849	6·2706	°
990	27	21·2858	24·1511	14	10·0477	11·9738		1040	9	7·3479	19·5264	3*	18·9361	7·4723	
991	25	22·8564	24·9206	13	11·6446	12·6587		1041	15	8·0800	19·8590	12	19·6513	7·8416	
992	8	23·3249	24·3462	14	12·0880	12·0663		1042	8	8·5550	19·1419				
993	28	14·1727	25·5523	13	2·9867	13·5978		1043	8	9·4274	19·2471				
994	34§	14·4052	25·7467	21	3·2284	13·7813		1044	6	3·7302	20·8671	3	15·2599	8·6495	
995	39§	14·6912	25·3878	29§	3·5002	13·4128	67 254	1045	17	9·0438	20·2242	15	20·5966	8·2482	
996	53§	14·9967	25·6947	37§	3·8136	13·7075	67 255	1046	10	4·2931	21·1213	12	15·8107	8·9251	
997	13	16·2506	25·1893					1047	4	8·7261	21·1110				
998	28	16·2790	25·7455	25	5·1001	13·7119		1048	11	9·8770	21·3926	9	21·3791	9·4534	
999	21	16·6954	25·5478	13	5·5054	13·5021		1049	34§	10·5172	21·3621	42§	22·0129	9·4516	67 277
1000	41§	19·9236	25·7342	30§	8·7375	13·5742	67 262	1050	32§	12·2777	21·9080	30§	23·7519	10·0763	67 279
1001	7†	21·5059	25·8748	12	10·3267	13·6598		1051	7	4·5987	22·8230	5	16·0376	10·6449	
1002	13†	22·7747	25·7975					1052	5	5·5276	22·3593	9	16·9897	10·2227	
	71§	15·6981	27·0871	38§	9·2518	1·1773	66 267 67 256	1053	4	8·6664	22·1946	3†	20·1319	10·2013	
								1054	9	13·4388	22·1860	5†	24·9001	10·4053	
								1055	9	2·6999	23·2741	9	14·1199	11·0054	
								1056	17	2·8387	23·2145	19	14·2627	10·9521	67 269
								1057				8	16·1943	11·1986	9·5
								1058	7	5·5014	23·6662	5	16·8993	11·5258	
								1059	13	6·6739	23·7083	13	18·0700	11·6204	
								1060	11	7·4623	23·7336	9	18·8576	11·6849	
								1061	6	7·4700	23·2851	10†	18·8875	11·2309	
								1062	7	10·1057	23·2113	6	21·5221	11·2817	
								1063	3	10·2072	23·5558	3†	21·6035	11·6290	
								1064	30§	11·3504	23·8301	32§	22·7366	11·9571	67 278
								1065	4	11·5411	23·3177				9·3
								1066				11	14·2906	12·4179	
								1067	9	9·8006	24·3191	6	21·1662	12·3750	
								1068	5†	9·8292	24·0946	7	21·2028	12·1507	
								1069	6	9·8858	24·6660	8	21·2326	12·7287	
								1070	8†	10·5137	24·5340	8	21·8681	12·6199	
								1071	13	11·3894	24·4696	15	22·7452	12·5996	
								1072	8	11·5264	24·7273	5	22·8709	12·8634	
								1073	4	13·8197	24·3271				
								1074	10†	3·8162	25·5908	14	15·1300	13·3688	
								1075	35§	4·8437	25·8188	34§	16·1466	13·6462	67 272
								1076	3†	5·6062	25·2046	3*	16·9345	13·0665	9·1
								1077	4*	7·9338	25·3499	3*	19·2555	13·3205	
								1078	5	8·9678	25·1714	4	20·2977	13·1834	
								1079	17	13·9703	25·3814	13	25·2815	13·6265	
								1080	7	5·1199	26·1210	13	16·4077	13·9606	
												52§	20·7357	1·3097	66 275
												42§	25·8401	4·1108	66 277
												40§	25·5299	13·9453	67 281
												20§	25·9963	13·5293	67 282
															8·9
															9·0
															9·5
															9·0

1 réseau interval represents very nearly  $\zeta' = \zeta_{15.2}$  of R. A. at Dec. + 67°, and  $\zeta_{35.4}$  at Dec. + 68°.



## ZONE + 67°.

R.A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		Plate 3015. 1896, Feb. 22.		Centre		R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		Plate 3015. 1896, Feb. 22.	
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.											

Nos. 1137, 1144, 1145, 1146. The identification of these stars with the B. D. is doubtful.

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2995. 1896, Feb. 4.				R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 1749. 1894, Jan. 18.				Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2995. 1896, Feb. 4.				R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 1749. 1894, Jan. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.						

1 micron interval represents very nearly 5' = 51".2 of R.A. at Dec. + 67°, and 53".4 at Dec. + 68°.



## ZONE + 67°.

R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°							
Plate 1645. 1893, Dec. 1.			Plate 1749. 1894, Jan. 18.						Plate 1645. 1893, Dec. 1.			Plate 1675. 1893, Dec. 7.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
1300	38	4°7761	21°8702	31§	16°2908	9°7147	°	m.	1350	22	16°8933	15°8542	7*	5°2748	4°0312	°	m.		
1301	30§	10°0961	20°9763	29§	21°6437	9°0323	67 314	9'4	1351	20	15°8377	16°2552	4*	4°2347	4°4746				
1302	12†	10°8429	21°8346	18	22°3550	9°210			1352	25	24°0405	16°2924	15	12°4349	4°1870				
1303	8†	12°0196	21°3829	9	23°5513	9°5197			1353	38§	16°7643	17°6129	25§	5°2160	5°7921	67 323	9'0		
1304	54§	13°9143	21°5458	63§	25°4358	9°7542	67 319	8'4	1354	8	23°2112	17°7772	7	11°6637	5°6989				
1305				13	15°5979	10°3495			1355	41	24°0648	17°4335	25	12°5044	5°3211	67 331	9'2		
1306				5	15°6060	10°5908			1356	10	18°6136	18°0708	4*	7°0830	6°1767				
1307	28	4°5673	22°6330	30§	16°0519	10°4664			1357	11	19°3348	18°2502	4*	7°8090	6°3275				
1308	55§	5°4325	22°7743	44§	16°9096	10°6444	67 311	8'5	1358	14	14°0440	19°2803							
1309	4*	6°5615	22°2035	11	18°0609	10°1195			1359	54§	16°3191	19°7831	41§	4°8553	7°9810	67 321	7'8		
1310	34	7°4037	22°7275	32§	18°8833	10°6759			1360	48§	18°8633	19°6836	36§	7°3949	7°7766	67 324	8'5		
1311				7	19°6083	10°8802			1361	71§	23°2502	19°5637	44	11°7745	7°4873	67 329	8'0		
1312	5*	9°4220	22°6880	16	20°8994	10°7176			1362	16	22°6906	20°8303	10	11°2649	8°7732				
1313	19	10°2496	22°8001	18	21°7248	10°8628			1363	8*	24°2217	20°6519	9	12°7867	8°5340				
1314				9	22°1146	10°0928			1364	15	14°9314	21°4422							
1315	17	13°8306	22°7913	17	25°3033	10°9963			1365	5	15°1239	21°1081							
1316				9	14°6655	11°0734			1366	17	23°6324	21°6941	16	12°2425	9°5974	67 330	9'5		
1317				7	14°8991	11°4752			1367	7	14°2455	22°4779							
1318				13	19°4666	11°0920			1368	8	17°9555	22°4630	4†	6°5971	10°5911				
1319	6*	8°4061	23°9413	11	19°8348	11°9300			1369	70§	18°8628	22°2542	51§	7°4994	10°3469	67 325	8'4		
1320				11	19°8527	11°4499			1370	24	19°2793	22°9545	14	7°9450	11°0302	67 326	9'5		
1321	10*	8°4646	23°1879	17	19°9241	11°1787			1371	10	19°4417	22°0810	6	8°0718	10°1507				
1322				9	21°2816	11°7949			1372	36	16°5750	23°8653	22	5°2765	12°0502	67 322	9'1		
1323	36§	10°8894	23°5980	31§	22°3314	11°6836			1373	76§	21°2000	23°7608	49§	9°8942	11°7590	67 327	8'1		
1324				5	22°4231	11°2118			1374	57§	22°1915	23°8042	33§	10°8860	11°7681	67 328	9'0		
1325	19	11°1950	22°9698	23	22°6619	11°0695			1375	65§	24°1601	24°5055	34§	12°8826	12°3861	67 332	9'3		
1326				15	14°6021	12°6988			1376				7	10°4311	13°6880				
1327				7	15°8042	12°5165			1377				9	11°7506	13°8294				
1328				10	16°2438	12°9890													
1329	10	9°1162	24°2665	17	20°5329	12°2832							14	11°7253	1°0931	66 327	8'8		
1330				8	21°0979	12°6891							48§	2°5267	9°8353	67 319	8'4		
1331				10	21°4704	12°5372			R.A. 4 <sup>h</sup> 20 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup>										
1332	41§	10°2232	24°7404	37§	21°6197	12°8021			Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				
1333				7†	22°5126	12°8960			Plate 1646. 1893, Dec. 1.			Plate 1675. 1893, Dec. 7.			Plate 1675. 1893, Dec. 7.				
1334	4*	11°4057	24°2770	16	22°8204	12°3845			1378	80§	12°8683	13°9888	86§	24°6108	2°2447	66° 335	m.		
1335	12	13°7645	24°2277	19	25°1766	12°4312			1379	24	11°7333	14°1661							
1336				10	15°4215	13°0225			1380	22	12°6838	14°7209							
1337	10	4°7827	25°9254	24§	16°1347	13°7635			1381	9†	5°3158	15°7154							
1338				10	17°7857	13°8303			1382	12	7°0725	15°4503							
1339	15	6°7674	25°9775	28§	18°1167	13°8990			1383	32§	8°6094	15°1794	22	20°3040	3°2708	66 333	9'4		
1340				7	23°4328	13°3043			1384	27	9°1261	15°3608	11	20°8134	3°4672				
	75§	6°0023	26°8390				67 312	9'0	1385	16	9°8004	15°9925							
	126§	2°7205	27°4124				67 310	7'4	1386	34§	10°2006	15°5501	21	21°8802	3°7020	67 338	9'0		
R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup>									1387	12	13°2580	15°8011							
Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°						1388	7	6°4302	16°4624							
Plate 1645. 1893, Dec. 1.			Plate 1675. 1893, Dec. 7.						1389	30	8°6002	16°1528	12	20°2574	4°2428	67 336	9'5		
1341	9	16°4259	14°4726				°	m.	1390	6†	13°3093	16°5119							
1342	48§	17°0547	14°5087	48§	5°3815	2°6797	66 318	8'6	1391	19	13°6845	16°6469							
1343	10	17°9658	14°3903						1392	19	4°6286	17°6943	9	16°2275	5°6224				
1344	34§	18°1040	14°6553	24	6°4358	2°7809	66 321	9'3	1393	7	5°2956	17°8975							
1345	12	20°7646	14°6193						1394	27	5°3660	17°3074	20	16°9856	5°2660				
1346	19	22°2943	14°2942	6*	10°6067	2°2565			1395	43§	9°2600	17°2975	28§	20°8720	5°4098	67 337	9'4		
1347	19	14°1453	15°7421						1396	9	9°4218	17°8846							
1348	30	14°4017	15°7852	11	2°7817	4°0599	67 320	9'4	1397	19	9°7455	17°7509							
1349	10	16°4223	15°5255						1398	8†	11°4373	17°1436							
									1399	13	13°7041	17°0987							

1 réseau interval represents very nearly 5' = 51"2 of R.A. at Dec. + 67°, and 53"4 at Dec. + 68°.

ZONE + 67°.

R.A. 4 <sup>h</sup> 20 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup> —contd.									
Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. +67°				R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +68°				Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. +67°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. +68°					
Plate 1646. 1893, Dec. 1.				Plate 1675. 1893, Dec. 7.				Plate 1646. 1893, Dec. 1.				Plate 2988. 1896, Feb. 2.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
I400	12	8'7249	18'0105	5*	20'3087	6'1004	°	m.	I451	28	14'1381	23'1445	16	2'8560	11'2476	°	m.
I401	15	13'9780	18'7683						I452	21	15'1491	23'7952	18	3'8938	11'8507		
I402	93§	5'9411	19'0761	72§	17'4878	7'0555	67 334	7'3	I453	16	16'3648	23'2515	13	5'0840	11'2554		
I403	26	12'0162	19'2302	8	23'5514	7'4501			I454				4	7'7112	11'2170		
I404	29	11'4431	20'1666	14	22'9414	8'3619			I455	6*	21'2732	23'5489	6	10'0018	11'3508		
I405	28	12'5968	20'2996	10	24'0873	8'5451			I456	20	21'9355	23'9961	20	10'6801	11'7669		
I406	33	10'1710	22'4459	20	21'5763	10'5900			I457	18	16'3354	24'5967	13	5'1104	12'6025		
I407				8†	14'1767	11'3405			I458				6	6'8890	12'2431		
I408	14†	5'5814	23'4999	12	16'9531	11'4596			I459				6	7'6197	12'8911		
I409	10†	5'8237	23'5575	8	17'1914	11'5221			I460				12	7'7851	12'7965		
I410	13*	2'9460	24'4177	12	14'2817	12'2725			I461	8†	20'2023	24'9675	10	8'9894	12'8120		
I411	10*	3'3641	24'1797	12	14'7107	12'0503			I462				10	11'7558	12'6056		
I412	29	3'8669	25'5504	26	15'1597	13'4434	67 333	9'5	I463				9	12'5647	12'8864		
I413	34	6'7248	25'8999	23	18'0028	13'9034	67 335	9'0	I464	6*	15'8580	25'8504	12	4'6866	13'8725		
I414	48§	11'0431	25'4895	35§	22'3307	13'6641	67 340	8'9	I465	83§	17'7466	25'5434	55§	6'5591	13'4888	67 343	8'0
									I466	11*	18'9562	25'2000	13	7'7544	13'0951		
	86§	10'6983	26'9296				67 339	7'5	I467				6	9'4606	13'1011		
									I468				6	12'2274	13'9721		
									I469	22*	23'4601	26'1247	21	12'2922	13'8316		
													27	6'1415	1'2648	66 344	9'2
												98§	1'1961	2'1480	66 335	8'0	
									34	26'1405	26'2576				67 350	7'0	
R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup>								R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup>									
Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. +67°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. +68°				Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. +67°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. +68°					
Plate 1646. 1893, Dec. 1.				Plate 2988. 1896, Feb. 2.				Plate 1647. 1893, Dec. 1.				Plate 2988. 1896, Feb. 2.					
I415	31	16'1738	14'8262	19	4'5423	2'8503	66° 339	9'1	I470	41§	3'1348	14'0835	33	15'0054	1'8836	66° 355	9'4
I416	34§	16'7012	14'1462	24	5'0385	2'1492	66 341	9'1	I471	12†	5'3326	14'8828	9	17'1757	2'7665		
I417	43§	21'0934	14'6270	42§	9'4454	2'4436	66 348	8'6	I472	8	6'4688	14'2413	4*	18'3323	2'1736		
I418	18	21'9649	14'9825	14	10'3334	2'7604			I473	11*	7'0938	14'5031	4*	18'9494	2'4586		
I419	75§	16'4595	15'2036	59§	4'8365	3'2092	66 340	7'8	I474	28§	8'7829	14'3172	19	20'6439	2'3409	66 363	9'4
I420	35§	21'4673	15'5709	31	9'8611	3'3692	67 346	9'5	I475	25	2'7002	15'4825	16	14'5209	3'2647		
I421	10*	23'0082	15'4821	9	11'3962	3'2190			I476	11†	6'0816	15'8167	5*	17'8888	3'7335		
I422	43§	15'9640	16'7877	32§	4'4115	4'8176	67 342	9'3	I477	8†	8'8964	15'9531	3*	20'6951	3'9796		
I423	9	19'1914	16'0925	8	7'6087	3'9885			I478	30	5'0828	16'6623	26§	16'8550	4'5373		
I424	23	21'2817	17'7310	20	9'7660	5'5369			I479	38§	6'7594	16'3006	34§	18'5434	4'2419	67 355	9'5
I425	8*	24'1655	17'4764	9	12'6363	5'1591			I480	71§	6'5633	17'8790	48§	18'2876	5'8098	67 354	8'0
I426	14	14'2828	18'0893	6*	2'7881	6'1878			I481	7*	7'2655	17'8445	4*	18'9919	5'8047		
I427	6	17'6120	18'6424	4†	6'1338	6'5983			I482	6†	9'1090	17'0539	3*	20'8682	5'0843		
I428	15	18'0497	18'5378	12	6'5707	6'4780			I483	22	10'9408	17'5057	10	22'6768	5'6093		
I429	25	18'1829	18'0993	18†	6'6860	6'0317			I484	64§	11'9379	17'1267	55§	23'6911	5'2678	67 360	8'3
I430	13	18'2964	18'4556	9	6'8141	6'3859			I485	7*	3'3602	18'3563	12	15'0659	6'1619		
I431	7	18'7368	18'1902	6	7'2418	6'1005			I486	24	6'1729	18'0853	20	17'8898	6'0015		
I432	30§	15'0725	19'9326	19	3'6538	7'9983	67 341	9'5	I487	42§	8'3841	18'5977	35§	20'0788	6'6008	67 356	7'5
I433	10	18'8118	19'7436	10	7'3823	7'6505			I488	22	10'2982	18'0739	12	22'0120	6'1505		
I434	28	20'1289	19'2163	25	8'6748	7'0662			I489	28	10'3325	18'1136	18	22'0468	6'1926		
I435	16	21'3796	19'0568	13	9'9174	6'8563			I490	36§	12'1439	18'7288	31	23'8313	6'8794	67 361	9'5
I436	18	24'3235	19'7775	21	12'8892	7'4571			I491	25	13'3221	18'6920	15†	25'0099	6'8856	67 362	9'5
I437	9	14'1586	20'0585	4	2'7461	8'1581			I492	16*	2'6430	19'1018	15	14'3198	6'8823	67 349	9'5
I438	9	14'6455	20'0016	6	3'2310	8'0844			I493	7*	2'6648	19'0836	8	14'3418	6'8655		
I439	6	16'8488	20'4451	4*	5'4478	8'4346			I494				7	14'3754	7'1797		
I440	10	17'0356	20'1573	9	5'6226	8'1366			I495	8*	3'8753	19'9130	12	15'5248	7'7406		
I441	15	19'3634	20'6445	13	7'9709	8'5264			I496	19†	6'5086	19'3050	13	18'1769	7'2350		
I442	38§	19'6710	21'1131	26§	8'2970	8'9856	67 344	8'7	I497	20	7'3839	19'3991	15	19'0508	7'3614		
I443	4†	21'9271	21'8769	4	10'5775	9'6523			I498	18	8'1670	19'3029	14	19'8353	7'2971		
I444	86§	23'1933	21'2092	64§	11'8199	9'305	67 347	7'5	I499				9	14'9193	8'1623		
I445	44	25'2813	21'6563	23§	13'9249	9'2915	67 348	9'5									
I446	7	14'5742	22'5376	7*	3'2624	10'6166											
I447	7†	16'3105	22'9694	9	5'0187	10'9776											
I448	50§	19'9626	23'0213	33§	8'6694	10'8778	67 345	8'5									
I449				7	11'4360	10'1048											
I450				5	12'6715	10'8966											

<sup>1</sup> *réseau* interval represents very nearly  $5' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^\circ$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^\circ$ .



## ZONE + 67°.

R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						
Plate 1647. 1893, Dec. 1.				Plate 2988. 1896, Feb. 2.				Plate 1647. 1893, Dec. 1.				Plate 2994. 1896, Feb. 3.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.			
R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						
Plate 1647. 1893, Dec. 1.				Plate 2988. 1896, Feb. 2.				Plate 1647. 1893, Dec. 1.				Plate 2994. 1896, Feb. 3.						
1500	7*	8.3405	20.4377	5	19.9661	8.4348	°	m.	1551	9*	18.3480	19.3645	11	6.9802	7.3587	°	m.	
1501	16*	8.6822	20.6315	13	20.2989	8.6455			1552	30§	19.8419	19.6781	20§	8.4884	7.6117	67	363	9.5
1502	16	9.5231	20.3959	13	21.1520	8.4407			1553	30	21.2377	19.6751	17	9.8816	7.5469			
1503	8	10.6131	20.2227	5	22.2440	8.3084			1554	11†	23.1456	19.4461	13	11.7767	7.2415			
1504	16	12.0630	20.1437	5*	23.6972	8.2887			1555	4*	24.9162	19.7913	9	13.5579	7.5136			
1505	10†	12.8365	20.3716	4*	24.4656	8.5420			1556				5	13.7760	7.5792			
1506	28§	4.1823	21.9758	24§	15.7500	9.8095			1557	5*	25.2494	20.2489	9	13.9089	7.9949			
1507	5*	5.6213	21.5541	8	17.2042	9.4469			1558	19	18.3624	20.7627	13	7.0557	8.7558			
1508	7†	10.4764	21.6718	6	22.0527	9.7517			1559	22	18.7030	20.6381	12	7.3898	8.6152			
1509	76§	10.9905	21.3788	69§	22.5786	9.4796	67	357	7.0	1560	10*	23.8107	20.4098	12	12.4788	8.1754		
1510	23	11.3933	21.3919	13	22.9813	9.5086			1561	19	17.0965	21.3124	14	5.8129	9.3586			
1511				9	14.7183	10.7113			1562	12	17.3431	20.9689	10	6.0454	9.0061			
1512	30	12.0358	21.9036	21	23.6012	10.0457			1563	14†	17.4334	21.6312	9	6.1652	9.6649			
1513	42§	5.6017	22.0711	26	17.1646	9.9623			1564	6*	19.3942	21.4616	4†	8.1145	9.4094			
1514				9	15.6051	11.7739			1565	5*	20.3947	21.9169	4†	9.1322	9.8245			
1515	22	5.8929	23.3181	22	17.4051	11.2194	67	352	9.5	1566	33	22.0530	21.1799	26§	10.7599	9.0172		
1516	20†	6.2551	23.3708	16	17.7678	11.2842			1567	34§	23.6084	22.2858	30§	12.3590	10.0580	67	364	8.8
1517	3*	9.9705	23.6520	4	21.4676	11.7114			1568	15	16.5056	23.4441	12	5.3107	11.5150			
1518	4*	11.2239	23.2841	7	22.7340	11.3948			1569				3†	8.2302	11.5738			
1519	30*	3.3511	25.0376	23	14.8006	12.8355			1570				9	12.7975	11.3361			
1520	38	3.5748	26.0424	22	14.9820	13.8543	67	350	7.0	1571			11	6.8705	13.7875			
1521				6	15.3632	13.0044			1572	8*	20.9428	25.5874	12	9.8338	13.4663			
1522				4	16.8143	13.6707			1573				4	12.4681	13.8016			
1523	8*	9.3326	25.8357	9	20.7424	13.8715												
	75§	5.5219	26.5999				67	351	8.8									
	82§	6.4795	26.6631				67	353	7.0									
R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup>								R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup>										
Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						
Plate 1647. 1893, Dec. 1.				Plate 2994. 1896, Feb. 3.				Plate 1648. 1893, Dec. 1.				Plate 2994. 1896, Feb. 3.						
1524	16	15.0961	14.6734				°	m.	1574				11	14.3779	2.8780	°	m.	
1525	25	16.4743	14.9156	10	4.9243	2.9954			1575	7	5.0322	14.5011	12	16.8781	2.3937			
1526	14	16.5821	14.1854						1576	10	5.1324	14.5338	15	16.9730	2.4282			
1527	30§	17.6597	14.3373	31	6.0824	2.3665	66	371	9.3	1577	13	10.6652	14.0839	11	22.5209	2.1957		
1528	23	17.9806	14.4277	19	6.4098	2.4449	66	372	9.3	1578	3*	4.3486	16.0437	13	16.1321	3.9078		
1529	6*	18.0208	14.4329	4*	6.4290	2.4263			1579	26	5.5382	16.0581	18	17.3210	3.9658			
1530	6*	17.3853	15.1878	2*	5.8445	3.2259			1580	4*	6.7879	15.4323	16	18.5924	3.3923			
1531	13	18.1222	15.6893	5	6.6029	3.6979			1581	16	8.9650	15.4012	11	20.7699	3.4432			
1532	29	21.1139	15.5351	19	9.5862	3.4167			1582	25	9.3966	15.6915	22§	21.1890	3.7514	67	376	8.4
1533	7†	24.8330	15.9948	10	13.3201	3.7225			1583	8†	11.3276	14.8824	4*	23.1491	3.0160			
1534	18†	25.3140	15.2022	18	13.7683	2.9107			1584	28	5.0284	16.7510	28§	16.7843	4.6398	67	369	9.0
1535	21	15.0288	16.1851	6	3.5348	4.3217			1585	45§	7.4635	16.9190	45§	19.2116	4.9009	67	373	7.5
1536	18	16.2495	16.3825	14	4.7616	4.4689			1586	9*	7.7072	16.6367	7	19.4630	4.6321			
1537	4*	22.4579	16.3009	4	10.9596	4.1249			1587	3*	2.6936	17.4937	12	14.4257	5.2911			
1538	10	22.5026	16.0104						1588				10	16.6386	5.5548			
1539	6†	17.2316	17.4353	4†	5.7838	5.4840			1589	14	3.3541	18.3003	20	15.0505	6.1210			
1540	14†	18.0748	17.8881	11†	6.6459	5.8975			1590	18	3.4157	19.1425	17	15.0812	6.9648			
1541	10	18.7012	17.2753	6	7.2490	5.2561			1591	16	4.4812	18.7343	22	16.1604	6.6021	67	366	9.4
1542	27§	20.6465	17.2930	22	9.1931	5.1947			1592	11	4.8375	18.9068	15	16.5105	6.7848			
1543	13	19.8565	18.0424	9	8.4335	5.9759			1593				6†	16.6694	6.7165			
1544				4†	13.2322	5.9939			1594	57§	6.7165	18.3873	54§	18.4098	6.3402	67	371	7.0
1545	7†	19.9896	18.9941	4	8.6025	6.9219			1595	11	7.8228	18.4518	12	19.5106	6.4486			
1546	10*	21.7173	18.2399	9	10.2993	6.0948			1596	7*	10.3349	18.0641	6	22.0362	6.1574			
1547	4*	22.6978	18.8505	9	11.3076	6.6639			1597	45	3.2029	19.9497	45§	14.8396	7.7642	67	365	9.1
1548	6*	23.5985	18.4286	9	12.1890	6.2052			1598	23	5.4142	20.0074	26§	17.0417	7.9066	67	370	9.1
1549	6†	24.8322	18.5840	9	13.4285	6.3072			1599				6†	18.2680	7.9164			
1550				9	13.7899	6.6853			1600	5*	8.3697	19.2325	10	20.0265	7.2510			
									1601				4	14.1211	8.4470			
									1602	59§	4.7157	20.7580	50§	16.3176	8.6294	67	367	6.9
									1603	39§	7.1426	20.9701	36§	18.7338	8.9364	67	372	8.5

ZONE + 67°.

R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup>									
Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. +67° Plate 1648. 1893, Dec. 1.				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +68° Plate 2994. 1896, Feb. 3.				Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 1759. 1894, Jan. 28.				R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 1769. 1894, Feb. 3.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
1604				4	15·6391	9·2041	°	1649	26	2·7154	14·0463	13	14·5526	1·7923	°		
1605	4*	9·0696	21·5772	10	20·6359	9·6186		1650	5†	6·5169	14·4154				m.		
1606				6	21·6467	9·5548		1651	15	13·0535	14·8601						
1607	30	5·1025	22·6180	29§	16·6303	10·5048	67 368	1652	24	13·3015	14·4840						
1608	7*	5·1328	22·6773	15	16·6604	10·5649		1653	23	3·5150	15·8188	10†	15·2831	3·5947			
1609				9	17·5452	10·2955		1654	42§	12·5458	15·9801	46	24·3048	4·1096	67 393		
1610				3	17·8905	10·3675		1655	30§	12·9241	15·6605	9*	24·6940	3·8009	9·2		
1611	24	12·3228	22·1295	23	23·8655	10·2955		1656	15	8·0942	16·3230	5*	19·8373	4·2770			
1612	7*	4·3581	23·9598	14	15·8384	11·8143		1657	11	12·2832	16·3954						
1613	21	7·7444	23·7203	23	19·2302	11·7071	67 375	1658	12	12·6248	16·9533						
1614	5*	10·1887	23·6095	12	21·6775	11·6931		1659	11	3·0861	17·3209						
1615				5	17·6052	12·3762		1660	8	3·6824	17·6278						
1616	20	7·6682	24·0693	23§	19·1400	12·0525	67 374	1661	22	3·8767	17·2364	11	15·5916	5·0239			
1617	5*	7·8286	24·6777	14	19·2787	12·6653		1662	29	3·9146	17·5269	15	15·6143	5·3165	67 388		
1618				9	21·8696	12·4989		1663	26	5·8145	17·2534	15	17·5254	5·1172	9·4		
1619	53§	12·9854	24·6444	57§	24·4296	12·8361	67 379	1664	35§	7·3762	17·4333	31	19·0833	5·3589			
1620				8	17·5657	13·0842		1665	16	11·9038	17·0934						
1621				9	17·9800	13·1683		1666	25	13·4169	17·3233						
1622				15	21·5306	13·0321		1667	16	4·5984	18·6568	9*	16·2564	6·4701			
1623	4*	12·2218	25·6478	9	23·6262	13·8077		1668	35§	4·6928	18·4905	35§	16·3553	6·3110	67 389		
								1669	9	11·7106	18·9459				9·3		
	53	0·8144	22·3383				67 364	1670	16	13·1945	18·2839						
	34	10·6850	25·9254				67 377	1671	7	2·8537	19·0578						
	20	8·7148	26·7987				68 374	1672	12	5·0646	19·1344	6*	16·7057	6·9659			
	22	12·9741	26·6707				67 378	1673	21	8·2566	19·6206	11†	19·8758	7·5791			
R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup>								1674	9	12·7454	19·2945						
Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. +67° Plate 1648. 1893, Dec. 1.				R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 1769. 1894, Feb. 3.				1675	7	7·1543	20·4788						
1624	14	18·8211	14·8762	17	7·2524	2·7875	°	1676	28	9·2956	20·5370	22	20·8797	8·5335			
1625	11	23·1209	14·4881	13	11·5278	2·2210		1677	5†	9·7486	20·6038						
1626	15	17·5250	15·0622	21	5·9645	3·0241		1678	15	12·8132	20·8005						
1627	26	17·6941	15·3019	31	6·1422	3·2580		1679	36§	2·8454	21·3642	30	14·3975	9·1057	67 387		
1628	15	17·9715	15·8797	20	6·4421	3·8215		1680	12	3·9136	21·8075	9†	15·4485	9·5946	9·5		
1629	9†	15·1980	16·7368	8*	3·7079	4·7951		1681	32	6·6684	21·1065	22	18·2322	9·0007	67 391		
1630	47§	25·2072	16·0578	49§	13·6796	3·6999	67 386	1682	4†	8·2071	21·5784				9·4		
1631	13	16·0472	17·1968	17	4·5733	5·2188		1683	14	7·5461	22·1692	6*	19·0659	10·0941			
1632	17	19·1414	17·6373	26	7·6839	5·5317	67 382	1684	18	10·6552	22·4331	9*	22·1633	10·4799			
1633	36	21·8836	17·1177	41§	10·4011	4·8967	67 383	1685	10	11·2817	22·4815						
1634	18	14·4670	18·6469	24	3·0558	6·7331		1686	11*	2·7225	23·2498	9†	14·2027	10·9896			
1635	6†	18·7282	18·8989	11	7·3229	6·8076		1687	10*	5·6093	23·3687	9†	17·0837	11·2188			
1636	10	23·8665	18·5899	23	12·4440	6·2834		1688	22	7·8551	23·3986	12*	19·3244	11·3346			
1637	31	16·6933	19·5282	38§	5·3171	7·5233	67 380	1689	35§	11·6514	23·2389	29	23·1257	11·3239			
1638	36§	18·9862	20·8229	38§	7·6603	8·7195	67 381	1690	33	3·2233	24·2326	22	14·6640	11·9894			
1639	50§	22·6766	20·9246	49§	11·3495	8·6709	67 384	1691	31	7·0858	24·4316	26	18·5177	12·3377			
1640	11	24·6641	20·0346	24	13·3013	7·6928		1692	32	11·3927	24·3161	20	22·8232	12·3901	67 392		
1641	8†	17·9857	21·1625	9	6·6748	9·1012		1693	105§	5·4063	25·3899	87§	16·8039	13·2282	67 390		
1642	9*	19·4259	22·4883	13	8·1709	10·3646		1694	12	5·6538	25·6816	12	17·0367	13·5322	9·5		
1643	12	19·5295	22·4134	16	8·2689	10·2839		1695	4†	10·0958	25·7454	2†	21·4740	13·7702	7·0		
1644				20	12·1511	11·8697		1696	15	13·9037	25·8800	9†	25·2743	14·0530			
1645	56§	23·3551	24·1409	51§	12·1631	11·8528	67 385		94§	0·7145	24·1976				67 385		
1646	12*	16·4553	24·1647	15	5·2690	12·1651			58§	1·9163	15·9856				67 386		
1647				12†	10·8333	12·2667		R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup>									
1648	13	15·8067	25·2681	26	4·6673	13·2922		Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 1759. 1894, Jan. 28.				R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. +68° Plate 1707. 1893, Dec. 22.					
				70§	4·1655	1·1155	66 387	1697	20	15·3026	14·9104	13*	3·7628	3·0115	°		
				54§	4·8666	1·4673	66 388	1698	11	20·2360	14·1972	4*	8·6611	2·0977	m.		
				68§	1·8227	12·7856	67 379	1699	6	23·7851	14·3107	6†	12·2153	2·0661			

1 réseau interval represents very nearly  $5' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .





## ZONE + 67°.

R.A. 5 <sup>h</sup> 40 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.								
Centre		R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre		R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 1649.		1893, Dec. 1.			Plate 1707. 1893, Dec. 22.				Plate 1649.		1893, Dec. 1.			Plate 2417. 1894, Dec. 18.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
1809	35§	7°1238	20°7849	37§	18°6948	8°7615	67° 403	m.	1859	5	23°6463	19°2173	18	12°1994	6°8298	°	m.
1810				6	19°5696	8°8705		9·4	1860				9	12°7061	6°7232		
1811	58§	8°2516	20°0477	50§	19°8523	8°0683	67 405	8·3	1861				17	13°0446	6°2265		
1812	6*	8°8246	20°4893	6	20°4131	8°5325			1862				9	13°3698	6°8003		
1813	6*	9°3037	20°4669	6	20°8900	8°5295			1863	23§	14°0590	19°7737	26§	2°6407	7°7711		
1814	12	10°3183	20°3774	13	21°9048	8°4785			1864	25§	15°3730	19°1738	31§	3°9299	7°1165		
1815	9†	3°7359	21°2004	14	15°2943	9°0410			1865	26	20°9918	19°7241	34§	9°5627	7°4446		
1816	23	9°0248	21°0197	17	20°5871	9°0707			1866				16	10°1752	7°6676		
1817	11	10°3380	21°4892	15	21°8806	9°5902			1867				5	7°7553	8°8681		
1818	12	13°2369	21°7090	10	24°7702	9°9267			1868	12	20°7856	21°2388	21	9°4208	8°9644		
1819				10	14°8542	10°2540			1869	9*	24°3697	20°5785	24	12°9746	8°1611		
1820				6	15°4838	10°0772			1870				16	3°5959	9°6944		
1821	25	4°9824	23°0680	32§	16°4643	10°9557			1871	14	17°0557	21°3201	29	5°6976	9°1967		
1822				9	17°8633	11°7020			1872	8*	19°1749	21°9654	23	7°8388	9°7539		
1823				8	18°1411	12°4335			1873				4	8°5757	9°0389		
1824	6*	7°2014	24°2532	11	18°6349	12°2285			1874	58§	20°3203	21°9203	58§	8°9804	9°6661	67 410	8·7
1825				7	18°8365	12°1788			1875	7*	22°5918	22°0394	22	11°2588	9°6952		
1826	17	9°5941	24°1397	27	21°0301	12°2124			1876	13†	15°6989	22°4990	25	4°3886	10°4262		
1827				6	21°4309	12°0617			1877				9	5°9260	10°7236		
1828	41	3°9777	25°8483	35§	15°3485	13°6943	67 401	9·1	1878				4	6°9742	10°1863		
1829	5*	4°9293	25°6156	20	16°3075	13°4987			1879	18	15°1993	23°4787	26	3°9296	11°4226		
1830	6	5°0337	26°0799	12	16°3992	13°9677			1880				7	7°0561	11°9103		
1831				7	18°4803	13°9569			1881	6*	20°2939	23°7594	11	9°0293	11°5050		
1832				6	19°1556	13°2868			1882				17	10°9676	11°4205		
1833	5*	8°0091	25°5136	19	19°4724	13°5251			1883				9	11°1796	11°7835		
1834	5*	9°8342	25°2336	14	21°2302	13°3136			1884				4	11°8996	11°9057		
	68§	10°0961	26°6204				68 415	8·4	1885	8*	23°8530	23°7072	27§	12°5827	11°3067		
				122§	26°3390	2°3257	66 419	7·0	1886	34	19°3456	25°0431	40§	8°1344	12°8244		
R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup>									1887				5	8°5631	12°7885		
Centre			R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			1888	9*	24°0660	24°8285	29	12°8427	12°4236		
Plate 1649.			1893, Dec. 1.			Plate 2417. 1894, Dec. 18.			1889				8	12°9024	12°1534		
1835	87§	14°5027	14°0548	117§	2°8519	2°0330	66° 419	m.	1890				13	4°1187	13°3023		
1836	5	16°3475	14°3728	7†	4°7150	2°2850		7·0	1891				6	4°3446	13°3156		
1837	15	19°9269	14°3762	12	8°2907	2°1412			1892				4	5°3958	13°4993		
1838	44§	21°1490	14°4030	47§	9°5111	2°1172	67 411	9·3	1893				4†	6°6525	13°1531		
1839	18	17°1572	15°1681	17	5°5523	3°0452			1894	14†	22°1575	26°0057	32§	10°9837	13°6728		
1840	6	17°2884	15°3896	10	5°6931	3°2597			1895				23	11°2577	13°0009		
1841	15	23°3416	15°3772	27	11°7427	3°0025			1896				19	12°3806	13°5266		
1842	9	17°2544	16°8939	13	5°7201	4°7652				59§	25°6129	18°2079				67 413	9·0
1843				7†	7°7603	4°2437				83	27°3091	26°7535				68 429	8·9
1844	9*	20°2707	17°0960	15	8°7382	4°8416				82	25°9653	27°1077				68 426	9·0
1845	12	20°4325	16°8004	15	8°8901	4°5417							79§	7°6690	1°1659	66 423	8·2
1846				6	13°8265	4°1596							41§	12°6055	1°1333	66 427	9·4
1847	12	25°4667	17°1315	23	13°9341	4°6746			R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup>								
1848	68§	16°4547	17°7518	79§	4°9522	5°6522	67 407	8·3	Centre			R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		
1849	22	18°0741	18°1258	27	6°5852	5°9595			Plate 1708.			1893, Dec. 22.			Plate 2417. 1894, Dec. 18.		
1850	9*	18°6966	17°8432	9	7°1996	5°6506			1897	5	5°2884	13°9829				°	m.
1851	41§	19°1148	17°3045	46§	7°5928	5°1003	67 408	9·2	1898	16	2°2270	14°9125	13	14°0633	2°5092		
1852	40§	20°0952	17°8040	47§	8°5915	5°5596	67 409	9·4	1899	32§	3°1037	14°1988	32	14°9678	1°8318	66 431	9·5
1853	9†	21°2662	18°0653	17	9°7724	5°7732			1900	36§	3°3960	14°6081	36§	15°2463	2°2543		
1854				9	12°2725	5°2609			1901	14	3°9444	14°7230	14	15°7865	2°3958		
1855	13*	25°0846	17°5774	28§	13°5682	5°1333			1902	5†	6°0452	14°7716					
1856	9	15°6321	19°0614	14	4°1850	6°9944			1903	10	6°9360	14°1897					
1857	7*	21°3131	18°9459	17	9°8563	6°6510			1904	9†	7°1458	14°1797					
1858	45§	21°9265	18°6450	52§	10°4581	6°3298	67 412	8·2	1905	5	10°1441	14°8217					



## ZONE + 67°.

R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 1708. 1893, Dec. 22.				Plate 2417. 1894, Dec. 18.				Plate 1708. 1893, Dec. 22.				Plate 2417. 1894, Dec. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

No. 1910. This star is not given in the B. D., but is given as No. 997 in the *A. G. (Christiania) Catalogue*. Mag. 9.4.1 *réseau* interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.

## ZONE + 67°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.																														
							No.	Mag.								No.	Mag.																													
R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>																																						
Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°																																		
Plate 1708. 1893, Dec. 22.				Plate 2423. 1895, Feb. 25.				Plate 1708. 1893, Dec. 22.				Plate 2423. 1895, Feb. 25.																																		
2015	5	17°3851	15°0869	37	7°9747	3°0508	67 427	9°5	2074	14	18°1018	22°7183	7	6°7375	10°6851	°	m.																													
2016	37§	19°6582	15°1416						2075	15	18°1526	22°6568	6	6°7842	10°6203																															
2017	19	19°8082	15°3824						2076	10	19°0146	22°4110	2*	7°6351	10°3441																															
2018	7	20°8621	15°1452						2077	4	20°6831	22°5480																																		
2019	6	21°6786	15°2801						2078	6	21°9496	22°1939																																		
2020	12	25°0608	15°4304	7	13°3840	3°1108	67 424	9°5	2079	27	23°3182	22°2964	15	11°9328	10°0432	°	m.																													
2021	14	14°1196	16°3323						2080	8†	24°4995	22°1116	2†	13°1029	9°8101																															
2022	4	19°9274	16°5501						2081	11	14°5175	23°1593	6	3°1795	11°2769																															
2023	12	21°0071	16°2333						2082	9	14°8846	23°0389																																		
2024	5†	22°1202	16°8058						2083	8	15°8118	23°9096																																		
2025	18	24°3750	16°9233	9	12°7621	4°6329			2084	20	16°4340	23°8763	9	5°1208	11°9120	67 426	9°5																													
2026	16	14°1148	17°5587						2085	9	19°5433	23°1330	4*	8°1951	11°0405																															
2027	15	16°4784	17°8700						2086	19	19°5434	23°6321	12	8°2165	11°5393																															
2028	16	16°9129	17°2379						2087	6	20°1353	23°4331																																		
2029	15	18°5473	17°2146						2088	23	22°1694	23°7733	12	10°8456	11°5695																															
2030	35§	19°2465	17°9344	22	7°6804	5°8590			2089	20	24°6099	23°1741	7	13°2558	10°8636	°	m.																													
2031	6	20°6120	17°9531						2090	10	14°3448	24°4530																																		
2032	5†	22°6907	17°2003						2091	6†	14°6035	24°6774																																		
2033	14	24°4542	17°1036						2092	7	15°5924	24°5231																																		
2034	11	24°7578	17°5773						2093	10	16°1237	24°6179																																		
2035	4	19°2362	18°6322	30	10°8709	6°1903			2094	19	19°4811	24°5615	8	8°1939	12°4708	67 428	9°4																													
2036	35§	22°4176	18°4003						2095	8	19°9495	24°2405	3†	8°6467	12°1300																															
2037	13	22°5833	18°1394						2096	7	22°9897	24°1658	3*	11°6810	11°9256																															
2038	51§	23°3392	18°6945						2097	16	23°1399	24°0713	6	11°8260	11°8218																															
2039	9	16°8490	19°3597						2098	28	15°1952	25°1238	14	3°9361	13°2093																															
2040	5	17°5873	19°9549	12	11°0231	5°9252	67 429	9°0	2099	8	18°6663	25°3058	2†	7°4126	13°2493	°	m.																													
2041	4	17°6861	19°6205						2100	18	19°6765	26°0145	12	8°4502	13°9126																															
2042	17	17°7381	19°4310						2101	40§	19°7640	25°4661	20	8°5168	13°3615																															
2043	6†	18°8452	19°5394						2102				4†	12°6252	13°5389																															
2044	4	20°2188	19°0112							40§	26°5334	17°6399	54§	1°9436	13°4006																															
2045	30§	20°4548	19°1839	15	8°9406	7°0542									67 431	9°5																														
2046	22	20°7282	19°4519	11	9°2241	7°3140																			67 422	8°5																				
2047	18	23°8751	19°0448	13	12°3501	6°7711																																								
2048	17	24°2855	19°4648	12	12°7790	7°1742																																								
2049	6†	24°3090	19°5543	2*	12°8037	7°2639																																								
2050	7	14°2191	20°2780																																											
2051	16	14°7685	20°5877	6	3°3192	8°6971																																								
2052	4	16°5737	20°3188																																											
2053	6†	18°4906	20°8498																																											
2054	7	18°8242	20°9604	3*	7°3847	8°8949																																								
2055	10	19°4171	20°2995																																											
2056	5	20°2842	20°4196																																											
2057	10	20°8432	20°6451	4†	9°3904	8°4994																																								
2058	11	22°3660	20°8907	6†	10°9223	8°6816																																								
2059	9	22°7205	20°2137	2*	11°2470	7°9894																																								
2060	14	25°1726	20°8810	8†	13°7224	8°5546																																								
2061	6	14°3497	21°7925																																											
2062	7	14°4796	21°0844																																											
2063	4†	16°0893	21°7741																																											
2064	5	16°4532	21°7961																																											
2065	7	17°4257	21°3271																																											
2066	5	19°2475	21°0290																																											
2067	11	19°7695	21°0189	3*	8°3353	8°9199																																								
2068	12	19°9172	21°7983	4	8°5121	9°6911																																								
2069	15†	23°0650	21°7118	5	11°6536	9°4743																																								
2070	12	25°1711	21°4374	5	13°7463	9°1094																																								
2071	11	14°9604	22°6483																																											
2072	17	17°3330	22°1372	8	5°9459	10°1379																																								
2073	6	17°6390	22°0817																																											
R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup>																																														
Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°																																		
Plate 1747. 1894, Jan. 12.				Plate 2423. 1895, Feb. 25.				Plate 1747. 1894, Jan. 12.				Plate 2423. 1895, Feb. 25.																																		
2103	22	5°3733	14°9495	12	17°0046	2°8459	°	m.	2104	24	8°3241	14°9035	20	19°9528	2°9147	67 437	9°5																													
2105	14	8°3809	14°1435	6*	20°0390	2°1584			2106	8	9°1532	14°0870																																		
2107	6†	10°4667	14°4537						2108	24	12°0359	14°8867	15*	23°6630	3°0391	67 439	9°4																													
2109	6†	12°2340	14°4322						2110	10	2°7853	15°2432	5	14°4069	3°0410																															
2111	16	5°0391	15°5191	6*	16°6439	3°4010			2112	6	5°3703	15°0004																																		
2113	15	6°5811	15°2028	3*	18°2014	3°1442			2114	37§	7°8247	15°6931	32§	19°4253	3°6842	67 434	9°0																													
2115	4	8°1491	15°8425	2*	19°7424	3°8410			2116	42§	8°1611	15°8553	40§	19°7566	3°8585	67 436	9°0																													
2117	5	12°7977	15°8379						2118	18	3°1744	16°0468	10	14°7619	3°8596																															
2119	19	4°3657	16°9199	11	15°9224	4°7751			2120	4	7°2538	16°4083																																		
2121	30	9°8651	16°7609	25	21°4237	4°8264			2122	60§	11°8889	16°0062	62§	23°4777	4°1519	67 440	8°6																													

i réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



## ZONE + 67°.

R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 1747. 1894, Jan. 12.				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2423. 1895, Feb. 25.				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 1747. 1894, Jan. 12.				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 725. 1893, Jan. 4.			
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D. No. Mag.
2123	10	12°9722	16°8799					2172	37§	22°5133	14°1832	22	10°8218	2°0204	67° 448 9'3
2124	7	2°9052	17°3055	3	14°4486	5°1054		2173	11	24°5313	14°9601	8	12°8719	2°7091	
2125	32§	3°4117	17°4373	23§	14°9469	5°2563	67 431 9'5	2174	54§	14°7798	15°9192	42§	3°1729	4°0868	67 442 9'1
2126	6	4°2210	17°8409	4*	15°7416	5°6914		2175	14	16°5635	15°4173	7*	4°9309	3°5115	
2127	6*	5°3928	17°4187	2*	16°9300	5°3149		2176	16	17°0589	15°8745	5*	5°4451	3°9466	
2128	34§	8°0826	17°1274	25	19°6280	5°1273	67 435 9'1	2177	21	23°0779	15°0755	7	11°4238	2°8857	
2129	11	11°8552	17°0933	4*	23°4002	5°2372		2178	32	24°1782	15°2999	23	12°5309	3°0649	67 451 9'4
2130	5†	13°4076	17°1575					2179	48§	25°5466	15°7182	30	13°9158	3°4226	67 453 9'1
2131	23	13°9904	17°8811	19	25°5054	6°1057		2180	13	19°7948	16°0743	9*	8°1866	4°0265	
2132	4	9°8752	18°1753					2181	23	19°9203	16°0771	9	8°3148	4°0217	
2133	13	11°9626	18°9572	10	23°4337	7°1022		2182	33§	20°1850	16°0930	23	8°5800	4°0252	67 445 9'5
2134	72§	13°7147	18°8955	75§	25°1913	7°1074	67 441 7'9	2183	45§	23°3908	16°5296	32§	11°7992	4°3258	67 450 9'3
2135	37§	4°0059	19°1123	33§	15°4771	6°9536	67 432 9'0	2184	15	23°5573	16°8360	6	11°5780	4°6256	
2136	5	7°8143	19°4968	2*	19°2688	7°4851		2185	15	23°0662	17°5078	9	11°5160	5°3168	
2137	5	11°1501	19°4083					2186	10	23°1148	17°7812	9	11°5773	5°5894	
2138	13	12°3300	19°2063	5*	23°7931	7°3675		2187	6	15°6911	18°9917	4*	4°2166	7°1212	
2139	4	12°9642	19°3748					2188	12	17°8780	18°0799	4*	6°3611	6°1120	
2140	26	2°8902	20°3115	19	14°3167	8°1088	67 430 9'5	2189	16	18°7151	18°5447	6	7°2148	6°5389	
2141	5*	3°5905	20°1149	4	15°0214	7°9400		2190	16	19°2966	18°3709	5	7°7907	6°3394	
2142	19	3°6895	20°9081	11	15°0936	8°7376		2191	43§	20°5985	18°0332	31§	9°0751	5°9489	67 446 9'0
2143	11	10°8861	20°6791	4	22°2956	8°7815		2192	15	21°8734	18°3135	4	10°3612	6°1742	
2144	33§	2°7898	21°6166	22§	14°1665	9°4090		2193	5	14°0296	19°9871				
2145	8*	2°8544	21°3105	5	14°2403	9°1046		2194	9	14°6133	19°5057	3*	3°1611	7°6789	
2146	6	7°8235	21°2286	4	19°2116	9°2163		2195	6	16°3242	19°3769				
2147	6	8°3446	21°1733	4	19°7367	9°1793		2196	20	16°8263	19°6150	8*	5°3746	7°6918	
2148	23	13°7648	21°9757	15	25°1207	10°1864		2197	42§	17°1152	19°7616	31§	5°6710	7°8259	67 443 9'1
2149	11	13°8596	21°0230					2198	39§	18°5681	19°1143	29§	7°0939	7°1128	67 444 9'5
2150	8	10°7663	22°2940	3*	22°1125	10°3957		2199	13	21°0521	19°5580	5†	9°5924	7°4499	
2151	9	11°6553	22°3468					2200	21	21°1543	19°0907	6	9°6749	6°9816	
2152	12	12°6214	22°5961	5*	23°9574	10°7653		2201	12	16°5897	20°4671				
2153	5	13°1217	22°4854					2202	16	17°6667	20°1606	8	6°2379	8°1987	
2154	29§	6°2985	23°7369	21	17°5926	11°6643		2203	26	19°2198	20°6273	14	7°8081	8°5965	
2155	10	11°3741	23°2174	4*	22°6826	11°3381		2204	11	19°7439	20°7469	5†	8°3378	8°6948	
2156	16	5°9127	24°3481	8	17°1836	12°2594		2205	7*	23°4406	20°6255	6*	12°0259	8°4136	
2157	18	6°1082	24°7882	8	17°4520	12°7069		2206	16	14°9544	21°0586	6†	3°5692	9°2135	
2158	12	6°6036	24°1000	6*	17°8808	12°0376		2207	13	17°1567	21°0818				
2159	36§	8°7735	24°2487	24§	20°0477	12°2693	67 438 9'5	2208	16	17°7535	21°6629	6	6°3886	9°6955	
2160	14	11°2287	24°3981	7	22°4952	12°5128		2209	63§	24°9135	21°6950	33§	13°5434	9°4212	67 452 8'2
2161	18	11°5410	24°3675	8	22°8075	12°4937		2210	35§	14°3355	22°2646	21	3°0020	10°4456	
2162	22	11°5609	24°8789	13	22°8061	13°0044		2211	15	14°4580	22°7479	5*	3°1446	10°9210	
2163	6	12°1244	24°1845	3	23°3986	12°3329		2212	28	17°8752	22°4189	16	6°5428	10°4461	
2164	21	9°0054	25°3320	20	20°2365	13°3613		2213	8	18°3138	22°2793	4	6°9770	10°2866	
2165	17	9°1987	25°3034	11	20°4314	13°3389		2214	21	18°9014	22°4823	9	7°5704	10°4665	
2166	27	12°3739	25°5721	16	23°5949	13°7280		2215	7†	19°5419	22°4672	5	8°2107	10°4229	
								2216	22	20°7965	22°8763	10	9°4807	10°7787	
				21	16°4890	1°7500	67 433 8'8	2217	22	23°6808	22°6412	6	12°3510	10°4182	
				22	17°0964	1°1834	66 446 9'0	2218	6	18°6897	23°5390				
				73	26°3715	4°1728	67 442 9'1	2219	19	19°2434	23°3817	8	7°9515	11°3499	
								2220	8	20°8122	24°0812	4*	9°5460	11°9769	
								2221	18	20°7772	25°1238	10	9°5589	13°0219	
								2222				8	11°0436	13°4762	
								2223				12	12°0211	13°4978	
												34§	4°3806	1°4022	66 458 8'0
												40§	10°6249	1°7182	67 447 8'4
												60§	2°2351	7°1048	67 441 7'9
								184§	25°9744	22°4757					67 454 5'2
								35	26°2223	19°6200					67 455 9'3

Plate 1747, B. D. 67°454. The three images of this star overlap slightly, but it is believed that the accuracy of the measures is not affected.

1 réseau interval represents very nearly 5' = 51'2 of R.A. at Dec. + 67°, and 53'4 at Dec. + 68°.

## ZONE + 67°.

R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup>								R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
Plate 2458. 1895, March 18.				Plate 725. 1893, Jan. 4.				Plate 2458. 1895, March 18.				Plate 725. 1893, Jan. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
2224	4	8.6956	14.0115				°	2279	7	12.6659	25.4074	6	23.9126	13.6270	°
2225	15	9.2303	14.1601				m.								
2226	16	11.4886	14.6835												
2227	9	9.8150	15.7392	4*	21.4404	3.8524						28§	25.6152	13.8174	68 461
2228	5	11.7927	15.0842									70§	25.5726	7.7772	67 466
2229	25	12.7902	15.7220	12†	24.4202	3.9516						16	18.7029	1.4399	67 460
2230	14	4.7410	16.3658	9*	16.3484	4.2825		49§	2.1326	21.6112					67 452
2231	7	8.3406	16.2751					39§	2.2773	15.5995					67 453
2232	11	10.9976	16.7706												
2233	13	12.3593	16.3458												
2234	11	2.6072	17.4478	9	14.1739	5.2785									
2235	9	4.4535	17.2299	4*	16.0255	5.1321									
2236	5	12.8005	17.4705												
2237	10	12.8821	17.5220	2*	24.4357	5.7539									
2238	6	12.9766	17.3799												
2239	14	2.5097	18.5902	12	14.0344	6.4177		2280	18	15.9709	14.5166	19	4.2448	2.5644	°
2240	15	2.5826	18.9919	10	14.0882	6.8235		2281	13	17.6389	14.8525	16	5.9251	2.8373	m.
2241	10	3.8259	18.0803	3*	15.3375	6.6855		2282	4*	19.3308	14.7329	4	7.6093	2.6525	
2242	32§	4.2803	18.0474	24§	15.8224	5.9438	67 456	2283	2*	19.3667	14.7445	6	7.6479	2.6651	
2243	60§	5.9221	18.0948	42§	17.4602	6.0541	67 458	2284	7	20.1483	14.3612	16	8.4152	2.2519	
2244	43§	8.4380	18.3217	36§	19.9674	6.3802	67 461	2285	5*	20.3011	15.0149	8	8.5931	2.8981	
2245	12	10.1535	18.7734	5†	21.6604	6.8962		2286				5	10.6567	2.2845	
2246	25§	11.2709	18.1509	17	22.8039	6.3187	67 464	2287	25	23.3814	15.0507	30§	11.6735	2.8118	67 475
2247	6	11.9456	18.5613					2288	4†	23.8147	14.2863	13	12.0751	2.0345	
2248	10	12.3109	18.8611	5†	23.8136	7.0677		2289	3*	24.5341	14.5292	12	12.8025	2.2498	
2249	11	13.1851	18.2133					2290				5	13.9284	2.4968	
2250	25	2.9969	19.3164	20	14.4879	7.1616		2291	12	14.4355	15.2813	12†	2.7439	3.3900	
2251	27	3.2675	19.4328	25§	14.7591	7.2914	67 455	2292	34§	18.7632	15.3177	35§	7.0681	3.2583	67 471
2252	10	5.8990	19.0849	9*	17.4024	7.0439		2293				5	8.9095	3.4793	
2253	12	7.2005	19.3635	8	18.6912	7.3700		2294				4	9.5959	3.6971	
2254	17	8.6831	19.2170	11	20.1763	7.2834		2295	18	21.6043	15.4097	24	9.9088	3.2411	
2255	6	8.7319	19.8925					2296				3	10.2404	3.4658	
2256	15	12.0799	19.2773	8	23.5665	7.4754		2297	31§	22.1713	15.7604	35§	10.4889	3.5702	67 474
2257	6†	4.3244	20.8194	6*	15.7563	8.7139		2298	7†	24.0842	16.0348	16	12.4094	3.7691	
2258	41§	4.3439	20.8252	29§	15.7806	8.7234	67 457	2299	2*	25.4342	15.5779	6	13.7457	3.2640	
2259	17	5.7739	20.4510	14	17.2229	8.4020		2300				6	13.9429	3.6587	
2260	20	6.3079	20.9499	11	17.7348	8.9212	67 459	2301	7	15.9994	16.2507	10	4.3407	4.2983	
2261	6	12.2545	20.2295	3*	23.7057	8.4378		2302				9	4.8760	4.6289	
2262	19	6.9846	21.7170	16	18.3830	9.7160		2303	17	16.8922	16.7674	17	5.2538	4.7785	
2263	12†	8.4943	21.1256	10*	19.9133	9.1844		2304	10	17.1945	16.9887	20	5.5632	4.9905	
2264	27	9.1401	21.8492	20	20.5306	9.9306		2305	4*	18.7426	16.6633	7	7.1002	4.6036	
2265	21	9.4734	21.6125	17	20.8724	9.7097	67 462	2306	21	20.0001	16.3137	22§	8.3412	4.2079	
2266	7	12.6353	21.1983	5†	24.0502	9.4164		2307	18	20.1990	16.6254	24§	8.5517	4.5116	67 472
2267	154§	3.2545	22.3007	111§	14.6340	10.1534	67 454	2308	13	20.3248	16.9086	14	8.6862	4.7889	
2268	7†	4.3673	22.2659	6*	15.7476	10.1599		2309	18	21.0560	16.2396	19	9.3922	4.0904	
2269	15	6.9174	23.1349	11	18.2612	11.1304		2310	9	23.4961	16.9770	18	11.8607	4.7358	
2270	29	9.4715	23.4587	16	20.7973	11.5494		2311	2*	23.9839	16.8235	6	12.3413	4.5622	
2271	19	9.7202	23.7765	14	21.0336	11.8807	67 463	2312				6	13.7737	4.1336	
2272	31	11.8935	23.6027	27§	23.2138	11.7904	67 465	2313	37§	14.2234	17.6692	37§	2.6195	5.7825	67 467
2273	7†	11.9068	23.4797	4*	23.2312	11.6692		2314	9	14.3768	17.2384	9	2.7576	5.3440	
2274	11†	2.7399	24.2408	12	14.0421	12.0728		2315	29§	14.4610	17.2890	30§	2.8418	5.3930	
2275	12†	8.4538	24.0993	7	19.7535	12.1519		2316	6†	15.6943	17.6094	8	4.0917	5.6654	
2276	13†	10.1039	24.0631	13	21.4039	12.1844		2317	4†	17.0854	17.8736	13	5.4886	5.8766	
2277	5*	7.6818	25.0466	3†	18.9486	13.0620		2318	6	17.7501	17.2052	12	6.1284	5.1819	
2278	11	11.9437	25.6992	13	23.1822	13.8846		2319				4	6.1564	5.7529	
								2320	5	17.7986	17.6502	6	6.1931	5.6267	
								2321				6	6.7336	5.8484	
								2322	9	21.5072	17.9004	13	9.9066	5.7334	
								2323	21§	21.6254	17.9812	23§	10.0294	5.8094	
								2324				6†	10.3298	5.0946	



## ZONE + 67°.

B. D.							B. D.							
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .
R.A. 6 <sup>h</sup> 50 <sup>m</sup> to 7 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 6 <sup>h</sup> 50 <sup>m</sup> to 7 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°							Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°							
Plate 2458. 1895, March 18. Plate 3039. 1896, March 23.							Plate 2458. 1895, March 18. Plate 3039. 1896, March 23.							
2325				6	10.4617	5.2041	2384	12	17.5088	23.8095	18	6.1370	11.7927	
2326				12	11.9882	5.8070	2385				2	6.5010	11.1527	
2327	13†	24.8069	18.1358	17	13.2131	5.8443	2386				3	8.4914	11.1978	
2328	31§	15.6557	18.4427	34§	4.0816	6.4991	2387	13	20.3757	24.0474	18§	9.0145	11.9208	
2329	9	15.9530	18.6208	12	4.3844	6.6678	2388				4	9.4608	11.2310	
2330	3	17.6231	18.9678	9	6.0706	6.9499	2389				5	13.2454	11.2101	
2331	4*	18.2973	18.9384	6	6.7401	6.8928	2390				7	13.4430	11.4178	
2332				3	6.8646	6.4278	2391				5	3.9285	12.7622	
2333	9	21.0915	18.3436	16	9.5097	6.1922	2392				4	9.2322	12.2026	
2334	6*	22.9443	18.3298	15	11.3618	6.1083	2393				5	11.2620	12.1130	
2335				4	13.3627	6.0465	2394				5	12.7350	12.7937	
2336	77§	14.0938	19.4990	76§	2.5630	7.6150	2395	31§	14.3749	25.5328	35§	3.0741	13.6342	68 461 8.7
2337				3	7.5418	7.4732	2396				5	3.9933	13.6524	
2338				5	8.3478	7.8687	2397				6	4.6229	13.4336	
2339				5	8.7815	7.8550	2398				10	5.7512	13.5595	
2340	4*	20.9149	19.4408	6	9.3736	7.2972	2399	19§	17.4990	25.3951	25§	6.1380	13.3826	67 469 9.5
2341				5	11.2523	7.4958	2400				4	8.0295	13.6306	
2342	5*	22.7986	19.7193	12	11.2666	7.5002	2401				6	8.3274	13.5350	
2343	39§	23.5754	19.4561	45§	12.0323	7.2120	2402				4	10.3471	13.1838	
2344	30	24.1211	19.6757	24§	12.5850	7.4094	2403				5	10.7619	13.5861	
2345				9	12.6448	7.3176	2404				19	12.4952	13.3119	
2346	36§	20.6678	20.1557	41§	9.1530	8.0192								
2347				4	9.2545	8.3567								
2348	5	20.7961	20.1561	12	9.2807	8.0147								
2349				7	10.2983	8.2514								
2350				4	10.2995	8.1141								
2351	6	21.8226	20.6442	15	10.3290	8.4641								
2352				4	13.1593	8.2237								
2353				8	13.2235	8.8744								
2354	9	14.8810	21.6211	10	3.4286	9.7054								
2355	17	16.4669	21.7403	20§	5.0158	9.7645								
2356	9	17.0744	21.3281	10	5.6085	9.3326								
2357	4*	17.9329	21.8342	5	6.4878	9.8013								
2358	47§	17.9801	21.1450	55§	6.5068	9.1115								
2359				3	6.8344	9.4764								
2360				3	6.8716	9.5993								
2361				4	7.2651	9.5592								
2362				5	7.6251	9.6191								
2363				9	10.5193	9.5231								
2364				5	11.6073	9.0222								
2365	12†	23.5919	21.5448	21	12.1318	9.2981								
2366				9	12.2105	9.8724								
2367	19	24.2143	21.7048	20§	12.7594	9.4325								
2368				7	2.7391	10.5534								
2369				4	4.1033	10.6206								
2370				3	4.3152	10.5354								
2371	5	15.7457	22.4690	12	4.3265	10.5186								
2372	10	18.9328	22.4900	17	7.5105	10.4176								
2373				6	8.9092	10.5350								
2374				5	9.1197	10.6566								
2375	23	20.8553	22.6276	23§	9.4360	10.4844								
2376	5*	21.5641	22.4390	12	10.1397	10.2680								
2377	8	22.3638	22.5152	17	10.9394	10.3121								
2378				12	12.9839	10.4548								
2379				5	3.0596	11.9910								
2380	17	15.2594	23.0407	21	3.8604	11.1110								
2381	3*	17.0642	23.7375	6	5.6886	11.7361								
2382	7	17.4659	23.9919	12	6.1017	11.9751								
2383				3	6.1144	11.6354								

ZONE + 67°.

R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 7 <sup>h</sup> 10 <sup>m</sup> to 7 <sup>h</sup> 20 <sup>m</sup>									
Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°									Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°									
Plate 1710. 1893, Dec. 22. Plate 3039. 1896, March 23.									Plate 1710. 1893, Dec. 22. Plate 3039. 1896, March 23.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
2437				4	15°86'94	6°10'02	°	m.	2496	28	12°8'135	25°50'17	21	24°15'62	13°55'94	°	m.	
2438	21	4°9287	18°6338	248	16°5613	6°3727			2497	27	13°2074	25°5940	22	24°5451	13°6703	68	471	9°5
2439	5	6°0396	18°6666	6	17°6685	6°4554							88§	24°7797	1°1481	66	493	7°5
2440	8	6°6599	19°0627	11	18°2758	6°8716							47§	26°3127	12°2842	67	483	8°5
2441				5	18°8719	6°7753												
2442	19§	10°0325	18°4860	16	21°6655	6°4368												
2443	5	10°6278	18°2018	6	22°2736	6°1750												
2444	12	3°9203	19°7963	16	15°5050	7°4943												
2445	6	4°2232	19°6082	9	15°8144	7°3182												
2446	6	9°9052	19°9453	7	21°4833	7°8860												
2447	8	10°8626	19°8740	7	22°4407	7°8565												
2448	16	10°9857	19°1307	11	22°5903	7°1213												
2449				9	14°4332	8°9687												
2450				9	16°5321	8°7004												
2451	15	10°3078	20°4652	18	21°8607	8°4223												
2452	6	11°0592	20°5252	7	22°6107	8°5144												
2453	4†	11°1815	20°6875	5†	22°7257	8°6809												
2454	6	13°8050	20°0448	5†	25°3730	8°1503												
2455	4	4°6974	21°6942	5	16°2065	9°4212												
2456	4*	5°1202	22°1455	6	16°6082	9°8879												
2457	4†	8°0433	21°6454	4†	19°5496	9°5135												
2458	11	9°1303	21°3015	12	20°6514	9°2101												
2459	2*	10°1021	21°5775	2†	21°6109	9°5301												
2460	4†	10°1233	21°6731	4	21°6260	9°6246												
2461	15	2°5771	23°2905	16	14°0194	10°9312												
2462	6†	4°8715	22°7073	12	16°3368	10°4443												
2463				9†	16°4574	10°8333												
2464	18	8°4087	22°9538	17	19°8606	10°8334												
2465	7	12°4031	22°5992	5	23°8663	10°6405												
2466	12	12°5700	22°5986	6	24°0329	10°6480												
2467	7	12°6851	22°1844	6	24°1644	10°2416												
2468	36§	4°1876	24°2154	29§	15°5929	11°9197	67	478	9°5									
2469	12	6°2923	23°4979	13	17°7237	11°2920												
2470	4	7°2442	23°6433	5	18°6719	11°4747												
2471	15	7°8328	23°5474	20	19°2609	11°4043	67	479	9°3									
2472	18	7°9762	23°4415	18	19°4095	11°3042												
2473	42§	8°1019	23°8944	39§	19°5139	11°7599	67	480	8°8									
2474				13	20°4274	11°3445												
2475	15	13°4655	23°2636	15	24°9019	11°3530												
2476				9	14°5322	12°6478												
2477				9	14°5723	12°9388												
2478	28	4°2908	24°7759	25§	15°6702	12°4808												
2479	6	5°1268	24°7223	12	16°5114	12°4638												
2480	5*	5°2506	24°3626	12	16°6481	12°1133												
2481				4	16°8085	12°5648												
2482				4†	17°6510	12°5702												
2483	4†	9°1946	24°8802	7	20°5666	12°7890												
2484				4	20°6446	12°1261												
2485	6†	9°8433	24°4022	6	21°2364	12°3402												
2486	19	13°8242	24°0043	18-	25°2303	12°1070												
2487	23	3°1840	25°3417	27§	14°5414	13°0011	67	477	9°5									
2488				7	16°9756	13°6147												
2489				4	17°7270	13°1081												
2490				9	18°2881	13°8556												
2491	9†	8°9258	25°3322	15	20°2828	13°2305												
2492				4	20°7160	13°6765												
2493	4†	10°7915	25°2619	7	22°1457	13°2381												
2494				4	22°8584	13°5619												
2495	5†	12°1024	25°8698	5	23°4318	13°8960												

No. 2522, Plate 3361. The images of this star are on a *réseau* line. The measure of diameter is therefore uncertain.

1 *réseau* interval represents very nearly  $\zeta' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .



## ZONE + 67°.

R.A. 7 <sup>h</sup> 10 <sup>m</sup> to 7 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 20 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1710. 1893, Dec. 22.				Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 3361. 1897, Feb. 17.				Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.				Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 3361. 1897, Feb. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.							

## ZONE + 67°.

R.A. 7 <sup>h</sup> 20 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.				R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 3361. 1897, Feb. 17.				Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1861. 1894, March 11.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
2655	5†	11.8397	24.0328					2704	6	22.3867	20.9312	9	11.0158	8.7172	
2656	6	12.5538	24.6351					2705	4†	23.6223	20.0984	4	12.2129	7.8274	
2657	12	4.7327	25.7917					2706	20	24.6868	20.9035	16	13.3153	8.5877	
2658	10*	4.8650	25.0774	4†	16.1559	12.9541		2707	6	14.3022	21.5176	4*	2.9643	9.6492	
2659	5	7.9150	25.6261					2708	13	16.8036	21.6710	10	5.4713	9.6956	
2660	11	8.3842	25.6586					2709	5	18.4748	21.8962	4	7.1535	9.8447	
2661	12	9.0874	25.9127	7	20.3454	13.9358		2710	17	18.6357	21.3117	16	7.2873	9.2556	
2662	20	12.4197	25.5652	13	23.6878	13.6991		2711	2*	20.9902	21.7112	5	9.6566	9.5544	
								2712	20	22.9765	21.2294	28	11.6162	8.9845	
				38	27.0123	5.7503	67 500 8.8	2713	34§	23.5474	21.3502	36§	12.1944	9.0817	67 507 9.5
								2714	15	15.7037	22.9713	21	4.4317	11.0431	
								2715	5	15.8334	22.5432	5*	4.5404	10.6102	
								2716	13	19.0572	22.0303	15	7.7372	9.9556	
								2717	5	22.6704	22.4209	9	11.3645	10.1896	
								2718	16†	24.7226	22.0696	16	13.3981	9.7502	
								2719	20§	20.1229	23.0423	17§	8.8460	10.9210	
								2720	24§	20.1518	23.0368	24§	8.8753	10.9127	
								2721				7	13.6086	10.1710	
								2722	10	14.4016	23.4382	5*	3.1507	11.5687	
								2723	23	14.5837	23.0914	19	3.3150	11.2106	
								2724	16	14.9440	23.8081	12	3.7065	11.9114	
								2725	15	15.9002	23.7000	13	4.6582	11.7599	
								2726	58§	15.9403	23.5439	70§	4.6922	11.6033	67 501 8.0
								2727	9	16.1485	23.7159	7	4.9048	11.7651	
								2728	6	19.3208	23.5126	9	8.0691	11.4267	
								2729	9	20.2530	24.0973	7	9.0226	11.9674	
								2730				8	12.8957	11.3513	
								2731	17	17.4306	24.0288	18	6.1997	12.0236	
								2732	43§	17.5736	24.1006	56§	6.3466	12.0901	67 504 8.8
								2733	5†	21.2327	24.6682	12	10.0234	12.4940	
								2734	7	21.8677	24.7914	13	10.6648	12.5934	
								2735	5*	23.3295	24.6048	7	12.1185	12.3472	
								2736				6	13.6143	12.2161	
								2737	6	15.2981	25.6946	10†	4.1441	13.7805	
								2738	5*	18.7052	25.7649	6	7.5519	13.7029	
								2739	4†	19.8464	25.4878	9	8.6808	13.3724	
								2740	14	21.1852	25.2513	13	10.0041	13.0827	
								2741	5†	21.8237	25.1366	9	10.6365	12.9402	
								2742	6*	22.5412	26.0995	12	11.3944	13.8697	
												88§	1.3957	5.4469	67 499 8.3
												46§	12.1771	1.3004	67 508 9.2
R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 40 <sup>m</sup>								R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 792. 1893, Feb. 16.				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1861. 1894, March 11.				Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 3032. 1896, March 19.				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1861. 1894, March 11.			
2663	9	16.3043	14.5178					2743				4†	17.6088	2.4995	
2664	37§	16.5187	14.4058	41§	4.8734	2.4508	67 503 9.5	2744	6*	5.7869	14.8616	5	17.6400	2.7074	
2665	9	16.6357	14.7802					2745	6	6.0247	15.3080	6†	17.8596	3.1650	
2666	15	20.7278	14.1706	8*	9.0708	2.0287		2746	15	8.4926	15.5739	17	20.3159	3.5257	
2667	20	22.1805	14.6704	22	10.5405	2.4690		2747				7	17.3439	4.0635	
2668	20	22.8583	14.8199	21	11.2244	2.5898		2748	30§	12.4283	16.2929	46	24.2226	4.3926	67 516 9.4
2669	9	24.5699	14.2070	6	12.9111	1.8997		2749	19	3.5914	17.6597	33	15.3340	5.4194	
2670	9†	24.9179	14.5763	7*	13.2728	2.2552		2750	12	4.6783	17.9806	17	16.4118	5.7818	
2671	28§	24.9284	14.5081	34	13.2824	2.1860	67 510 9.2	2751	16	9.4137	17.0938	24	21.1752	5.0790	
2672	6	14.6087	15.3886					2752	22	12.4825	17.7496	32	24.2175	5.8558	
2673	10	14.7739	15.0405												
2674	16	16.2254	15.6661	17	4.6347	3.7226									
2675	55§	20.7499	15.3580	68§	9.1425	3.2149	67 506 8.0								
2676	20	20.7997	15.1989	19	9.1833	3.0554									
2677	6	21.9349	15.8166	5*	10.3458	3.6256									
2678	23§	14.6089	16.7893	25	3.0687	4.9122									
2679	6	16.2404	16.6590												
2680	17	15.2789	17.6197	14	3.7751	5.7121									
2681	42§	15.4600	17.4999	51§	3.9471	5.5873	67 500 8.8								
2682	12	16.6755	17.1013	6*	5.1454	5.1358									
2683	6	18.4117	17.6600	6	6.9066	5.6182									
2684	16	24.9012	17.3261	20	13.3745	5.0014									
2685	9	14.1607	18.8666												
2686	7	16.7875	18.5817	7	5.3240	6.6091									
2687	6	24.3101	18.1592	7	12.8172	5.8596									
2688	27§	15.4839	19.7512	36§	4.0699	7.8336									
2689	29§	16.4892	19.7720	37§	5.0757	7.8104	67 502 9.3								
2690	9	17.5353	19.6289	9	6.1139	7.6226									
2691	7	18.1015	19.6500	8	6.6807	7.6200									
2692	5	20.3977	19.1497	4†	8.9523	7.0197									
2693	17	20.4163	19.8156	13†	9.0009	7.6847									
2694	24§	20.4990	19.2193	28§	9.0577	7.0852	67 505 9.5								
2695	22§	20.6017	19.0655	26§	9.1545	6.9284									
2696	28§	23.9769	19.3558	28§	12.5376	7.0705	67 509 9.5								
2697	16	14.5560	20.9495	20	3.1943	9.0700									
2698	5	15.3293	20.4291	2*	3.9498	8.5218									
2699	13	17.9947	20.5768	15	6.6141	8.5487									
2700	23	18.9402	20.5876	19	7.5600	8.5201									
2701	24§	20.5209	20.7040	33	9.1443	8.5697									
2702	14	20.8292	20.9615	18	9.4639	8.8118									
2703	20	21.4601	20.2442	17	10.0633	8.0690									



## ZONE + 67°.

R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 3032. 1896, March 19.				Plate 1861. 1894, March 11.				Plate 3032. 1896, March 19.				Plate 781. 1893, Feb. 11.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
2753	3*	3.2388	18.7121	9	14.9442	6.4573	° m.	2809	9	17.2543	14.7881	6	5.7796	2.6763	° m.
2754				6	16.2701	6.1859		2810	10	19.7351	14.3951	10	8.2437	2.1933	
2755	4*	5.2657	18.9257	8	16.9613	6.7476		2811	23	22.7404	14.6499	39	11.2545	2.3398	67 521 9.1
2756	5*	5.7752	18.9501	11	17.4699	6.7943		2812	22	25.1681	14.1099	34	13.6628	1.7169	67 523 9.5
2757	13	10.1242	18.4748	14	21.8318	6.4903		2813	9	17.4067	15.7130	13	15.9664	3.5936	
2758	17	12.8118	18.8462	35§	24.5032	6.9620		2814	14	18.6593	15.6849	25	7.2153	3.5194	
2759				6	14.1017	7.5703		2815	12	19.8759	15.0323	23	8.4087	2.8235	
2760				4	16.5022	7.6962		2816	29§	20.0346	15.5366	42§	8.5828	3.3225	67 519 9.2
2761				5	17.6641	7.6143		2817	13	20.4491	15.3503	19	8.9882	3.1209	
2762	4†	6.8911	19.6602	8	18.5551	7.5451		2818	13	20.5856	15.8019	19§	9.1405	3.5689	
2763	10	8.3103	19.1909	16	19.9891	7.1323		2819	6*	20.7006	15.4446	4	9.2452	3.2069	
2764	15	8.7727	19.1701	22	20.4559	7.1276		2820	9	21.8490	15.7545	13	10.4025	3.4775	
2765	12	9.5912	19.1473	19	21.2750	7.1396		2821	28§	18.0403	16.8438	42§	6.6388	4.7000	67 517 9.1
2766				5	14.3247	8.7005		2822	13	19.0443	16.8593	16	7.6420	4.6807	
2767				7	14.3522	8.7102		2823	18	19.3546	16.7314	33§	7.9457	4.5410	67 518 9.5
2768				5	14.4138	8.4362		2824	35§	20.8828	16.3684	46§	9.4574	4.1216	67 520 9.0
2769				8	14.9069	8.3599		2825	12	21.7267	16.5496	17	10.3095	4.2734	
2770				7	16.0628	8.0511		2826	10	21.8204	16.5431	16	10.4020	4.2646	
2771	12	7.9157	20.7366	18	19.5386	8.6629		2827				9	12.9369	4.3731	
2772	6†	9.6189	20.8503	6	21.2327	8.8431		2828	9	18.3055	17.9498	15	6.9396	5.7949	
2773	4	10.1383	20.6797	8	21.7629	8.6900		2829	12	19.5254	17.4075	24	8.1404	5.2103	
2774				5	14.6979	9.3616		2830	6†	15.8082	18.1539	6	4.4547	6.0886	
2775				15	15.7203	9.3911		2831	11	16.6539	19.0743	13	5.3313	6.9766	
2776	18	4.6888	21.2160	34§	16.2943	9.0174		2832	6	20.3412	18.9513	6	9.0114	6.7259	
2777				5	16.6458	9.2494		2833	14	16.3780	19.3600	20	5.0651	7.2699	
2778				9†	17.9862	9.0787		2834				6	12.4152	7.5898	
2779	5	9.6355	21.9576	11	21.2112	9.9482		2835	9	17.7271	20.5492	15	6.4558	8.4140	
2780	8	11.2244	21.5971	18	22.8100	9.6498		2836	11	22.6037	20.4411	20	11.3224	8.1307	
2781				5	22.9393	9.4266		2837	4	23.3505	20.9900	14	12.0908	8.6557	
2782	4	11.9791	21.1563	8†	23.5833	9.2411		2838				9	12.3943	8.4953	
2783	21§	12.3352	20.9580	42§	23.9463	9.0535	67 515 8.7	2839				6	13.1918	8.3303	
2784	17	12.5136	20.9693	31	24.1222	9.0719		2840	11	14.9284	21.5448	19	3.6930	9.5098	
2785				22	15.5319	10.7871		2841	9	15.5335	22.0565	9	4.3156	9.9968	
2786	6†	5.2974	22.9089	16	16.8360	10.7302		2842	4	19.1114	21.6437	10	7.8750	9.4582	
2787				9	16.9361	10.3012		2843				6	8.4132	9.9365	
2788	6	8.5837	22.8093	22	20.1248	10.7605		2844	3†	19.6768	21.5768	9	8.4384	9.3695	
2789	6*	10.0578	22.6621	6	21.6060	10.6704		2845	9*	19.8978	21.4347	16	8.6587	9.2217	
2790	35§	10.9608	22.4823	46§	22.5129	10.5273	67 512 9.0	2846	24	24.1711	22.2181	31§	12.9538	9.8542	67 522 9.5
2791	4	11.6055	22.0595	7	23.1721	10.1268		2847	8*	24.2165	21.5672	16	12.9754	9.2006	
2792	4†	12.3159	22.8464	7	23.8526	10.9415		2848				11	13.7651	9.0614	
2793				15	16.2430	11.5597		2849				5	5.1803	10.1601	
2794	6	5.0156	23.5215	17	16.5321	11.3314		2850				3	6.8680	10.4838	
2795				16	17.5549	11.5419		2851	14	20.6374	22.6397	22	9.4359	10.3996	
2796	6†	7.7841	23.2251	15	19.3102	11.1438		2852	10	24.4147	22.5986	21§	13.2093	10.2236	
2797	28	11.5853	23.7477	32§	23.0882	11.8143	67 514 9.5	2853	10	16.8372	23.1278	18	5.6585	11.0220	
2798	15	11.8873	22.9558	21†	23.4232	11.0338		2854	9†	17.4840	23.9907	12	6.3347	11.8607	
2799	10	13.7514	22.9301	12	25.2856	11.0803		2855	16	17.5550	23.4911	25§	6.3849	11.3605	
2800	6	13.9826	23.4904	11	25.4950	11.6510		2856	20	17.5785	23.9945	26	6.4254	11.8632	
2801				12	15.8996	12.7421		2857	3†	18.6862	23.2780	10	7.5079	11.1098	
2802	9	5.4086	24.0667	24	16.8625	12.8920		2858	3*	18.8008	23.1777	10	7.6164	11.0015	
2803				4	21.6169	12.5558		2859	6	18.9976	23.5236	16	7.8256	11.3431	
2804				15	14.4643	13.0103		2860				16	10.7639	11.6375	
2805	21	6.6337	25.2254	31§	18.0846	13.0993		2861	8	22.8371	23.9758	22	11.6819	11.6570	
2806	13	7.4715	25.6517	31§	18.9031	13.5573		2862	6*	14.8432	24.6482	12	3.7161	12.6142	
2807				5	21.3535	13.3260		2863	15	15.2211	24.7324	24	4.0975	12.6839	
2808	5†	11.4705	25.8403	14	22.8918	13.9017		2864	9	17.0149	24.8796	18	5.8947	12.7694	
								2865	8†	19.6319	24.2367	17	8.4878	12.0327	
	21	1.4136	14.5080				67 510 9.2	2866				10	11.2452	12.2695	
	31	8.4378	26.0768				68 508 9.5	2867	2*	22.4010	25.1666	10	11.2945	12.8704	

## ZONE + 67°.

R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup> —contd.																
Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°												
Plate 3032. 1896, March 19.				Plate 781. 1893, Feb. 11.					Plate 877. 1893, March 19.				Plate 781. 1893, Feb. 11.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
								No.									No.								
2868				6	4.7644	13.4398	°	m.	2917				9	17.7698	11.4524	°	m.								
2869	45 $\frac{8}{8}$	18.7733	25.4445	62 $\frac{8}{8}$	7.6732	13.2698	68	517	7.5	2918	6*	7.5229	23.6592	9	18.9159	11.6134									
2870	23 $\frac{1}{1}$	23.1639	25.3671	31 $\frac{8}{8}$	12.0527	13.0360	68	521	9.5	2919	13	8.0669	23.6367	19	19.4614	11.6158									
2871	29	23.5263	25.8884	41 $\frac{8}{8}$	12.4356	13.5461	68	522	9.2	2920	12	9.4284	23.5772	21	20.8236	11.6179									
2872				14	13.0542	13.4517				2921	10	10.6553	22.9096	14	22.0783	11.0068									
										2922	25 $\frac{8}{8}$	13.1521	23.5562	31	24.5424	11.7661									
				42	1.0797	9.0124	67	515	8.7	2923	22	13.3833	23.3060	26	24.7839	11.5272									
	28	23.0280	26.5514				68	520	9.1	2924				10	15.9726	12.6576									
	57 $\frac{8}{8}$	26.6842	20.3563				67	525	8.2	2925	25	6.2750	24.9446	29 $\frac{8}{8}$	17.6109	12.8402									
										2926				9	17.7357	12.5111									
										2927	9 $\frac{1}{1}$	8.1942	24.9952	16	19.5255	12.9783									
										2928	6*	8.2445	25.0044	13	19.5751	12.9923									
										2929	33 $\frac{8}{8}$	10.1752	23.9979	40 $\frac{8}{8}$	21.5501	12.0736	67 530 9.5								
										2930	8*	5.6735	25.8079	16	16.9716	13.6751									
														64 $\frac{8}{8}$	26.7235	12.30.2	67 534 7.0								
R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup>									R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup>																
Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°												
Plate 877. 1893, March 19.				Plate 781. 1893, Feb. 11.					Plate 877. 1893, March 19.				Plate 2486. 1895, March 24.												
2873	9	4.5071	14.3941	4	16.3226	2.2220	°	m.	2931	9	18.2547	14.6676	4*	6.5219	2.7053	°	m.								
2874	10	8.3876	14.7003	8	20.1859	2.7049			2932	6	18.2794	14.6597	4	6.5496	2.6965										
2875	5	8.7531	14.4302						2933	5	19.9832	14.3555	4	8.2365	2.3245										
2876	11	3.2982	15.2169	14	15.0753	2.9924			2934	13	21.3064	14.6649	9	9.5723	2.5752										
2877	7*	3.4043	15.6270	6	15.1614	3.4069			2935	6	22.3280	14.4394	4*	10.5828	2.3048										
2878	19 $\frac{8}{8}$	3.5518	15.4065	29 $\frac{8}{8}$	15.3212	3.1903			2936	16	14.1810	15.4783	11	2.4876	3.6863										
2879	14	11.0433	15.4737	20	22.8033	3.5968			2937	35 $\frac{8}{8}$	15.8231	15.9407	37 $\frac{8}{8}$	4.1467	4.0784	67 535 8.5									
2880	10	12.8356	15.8645						2938	6	21.0646	15.2028	6*	9.3544	3.1240										
2881	30 $\frac{8}{8}$	13.6436	15.6598	46	25.3946	3.8985	67	533	9.5	2939	17	24.5813	15.6072	25	12.8843	3.3763									
2882	5	4.8155	16.3376	6	16.5372	4.1774			2940	6	15.2960	16.7456	5*	3.6545	4.9006										
2883	9	6.2153	16.7494	9	17.9185	4.6569			2941	11	18.6342	16.9168	9	6.9999	4.9374										
2884	17	8.7243	16.6689	21	20.4321	4.6834			2942	7	19.2544	16.0725	4	7.5803	4.0649										
2885	21	11.9627	16.9306	24	23.6529	5.0924			2943	33 $\frac{8}{8}$	23.8767	16.6658	29 $\frac{8}{8}$	12.2238	4.4663	67 543 9.0									
2886	6	13.3171	16.0923						2944	11	14.6305	17.8199	8	3.0317	6.0061										
2887	13	7.2468	17.2762	19	18.9268	5.2264			2945	5 $\frac{1}{1}$	14.7781	17.4748	5	3.1739	5.6580										
2888	16	8.6733	17.2654	24	20.3528	5.2783			2946	13	18.8069	17.6739	10	7.2017	5.6848										
2889	9	10.8523	17.5773	7	22.5178	5.6880			2947	12	20.2170	17.2094	15	8.5894	5.1602										
2890	13	11.9854	17.5375	16	23.6511	5.6978			2948				9	12.8326	5.1253										
2891	39 $\frac{8}{8}$	12.2436	17.3368	52 $\frac{8}{8}$	23.9188	5.5114	67	532	8.6	2949	43 $\frac{8}{8}$	25.0034	17.5407	37	13.3851	5.2940	67 544 8.7								
2892	28 $\frac{8}{8}$	5.2957	18.9050	32	16.9064	6.7627	67	526	9.5	2950	7 $\frac{1}{1}$	25.3771	17.3952	10	13.7537	5.1326									
2893	7	8.3463	18.5865	6 $\frac{1}{1}$	19.9659	6.5819			2951	7	14.9519	18.4499	5 $\frac{1}{1}$	3.3804	6.6209										
2894	12	10.2302	18.8238	18	21.8378	6.9081			2952	22	20.3654	18.3861	25	8.7865	6.3326	67 539 9.5									
2895	25 $\frac{8}{8}$	10.8442	18.6484	33	22.4584	6.7580	67	531	9.4	2953				5	9.8870	6.1782									
2896	18	2.7938	19.1717	24	14.3924	6.9159			2954	10	18.6268	19.9167	12	7.1173	7.9348										
2897	12	6.8028	19.5033	12	18.3832	7.4306			2955	17	21.9066	19.5267	17	10.3744	7.4051										
2898	31 $\frac{8}{8}$	7.8038	19.3379	36 $\frac{8}{8}$	19.3917	7.3103	67	528	9.1	2956				4	11.3827	7.3359									
2899	9	9.8061	19.9981	7	21.4059	7.0613			2957	11	14.5015	20.6770	12	3.0236	8.8678										
2900	4	13.1957	19.3227	4*	24.7779	7.5388			2958	14	18.9658	20.7174	12	7.4873	8.7200										
2901	45 $\frac{8}{8}$	3.8386	20.1120	49 $\frac{8}{8}$	15.3960	7.9038	67	525	8.2	2959	11 $\frac{1}{1}$	23.4714	20.4837	16	11.9751	8.2978									
2902	5 $\frac{1}{1}$	8.5498	20.8966	7	20.0673	8.9014			2960	16	24.6490	20.6267	19	13.1618	8.3924										
2903	9*	8.8526	20.0384	12	20.4074	8.0563			2961	14	15.6936	20.9047	15	4.2247	9.0438										
2904	9	11.2727	20.9769	6	22.7825	9.1031			2962	9	16.9728	21.0253	7	5.5073	9.1098										
2905	6 $\frac{1}{1}$	3.5655	21.5536	9	15.0558	9.3320			2963	6	17.6219	21.9012	6	6.1937	9.9586										
2906	10	4.7819	21.5793	16	16.2707	9.4112			2964	4*	17.6799	21.4736	4 $\frac{1}{1}$	6.2351	9.5310										
2907				5	17.2467	9.7140			2965	9 $\frac{1}{1}$	21.1526	21.3700	9	9.6994	9.2829										
2908	21	9.6141	21.3190	25	21.1120	9.3714			2966	56 $\frac{8}{8}$	22.6321	21.3962	47 $\frac{8}{8}$	11.1779	9.2458	67 542 7.2									
2909				6	16.3752	10.9931			2967				6	11.3406	9.4885										
2910	10	5.0608	22.3345	17	16.5152	10.1798																			
2911	5*	5.1815	22.3876	9	16.6335	10.2404																			
2912	4*	6.0335	23.0104	10	17.4561	10.8996																			
2913	24 $\frac{8}{8}$	6.5798	22.2078	33 $\frac{8}{8}$	18.0370	10.1203																			
2914	9	6.7936	22.2586	13	18.2513	10.1848																			
2915	38 $\frac{8}{8}$	7.9835	22.6660	44 $\frac{8}{8}$	19.4194	10.6455	67	529	8.5																
2916	10	8.3170	22.3840	13	19.7658	10.3786																			

$\alpha$  réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.



ZONE + 67°.

R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 8 <sup>h</sup> 20 <sup>m</sup> to 8 <sup>h</sup> 30 <sup>m</sup> —contd.										
Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°						
Plate 877. 1893, March 19.				Plate 2486. 1895, March 24.				Plate 1899. 1894, March 26.				Plate 2486. 1895, March 24.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
							No.	Mag.								No.	Mag.	
2968				9	13°06'04	9°73'12	°	m.	3019	10	8°75'68	17°93'65	9	20°32'74	5°92'07	°	m.	
2969	9	18°47'51	22°27'95	9	7°06'26	10°30'25			3020	24 <sup>S</sup>	9°21'99	17°09'43	20	20°82'47	5°09'72			
2970	33 <sup>S</sup>	20°25'34	22°83'82	33 <sup>S</sup>	8°86'30	10°78'50	67 540	9.1	3021	7	10°26'79	17°59'24	4	21°84'79	5°63'80			
2971	4*	20°77'44	22°22'82	6	9°35'84	10°15'31			3022	25	12°19'56	17°02'72	21	23°79'99	5°15'17			
2972	8	21°87'35	22°30'73	13	10°46'00	10°18'82			3023	33	3°37'96	18°82'03	27 <sup>S</sup>	14°91'93	6°58'80	67 546	9.5	
2973	17	22°20'79	23°00'99	15	10°82'04	10°87'47			3024	10	3°95'01	18°91'18	15	15°48'35	6°70'17			
2974	7†	22°29'40	22°62'59	13	10°88'88	10°48'65			3025	8	6°28'44	18°92'80	9	17°81'62	6°81'20			
2975	5*	22°93'29	22°59'86	10	11°52'88	10°43'63			3026	18	6°90'58	18°99'50	17	18°43'59	6°90'45			
2976	20	14°52'19	23°79'81	18	3°17'67	11°98'47			3027	9	7°13'20	18°09'02	10	18°69'62	6°00'91			
2977	37 <sup>S</sup>	17°10'99	23°51'75	38 <sup>S</sup>	5°74'86	11°59'68	67 537	8.5	3028	9	8°14'45	18°70'49	6*	19°68'42	6°66'46			
2978	4*	20°05'96	23°93'93	6	8°71'30	11°89'04			3029	10	10°68'35	18°51'39	5	22°23'08	6°57'43			
2979	26 <sup>S</sup>	20°40'73	23°36'78	29 <sup>S</sup>	9°03'66	11°30'67	67 541	9.3	3030	9	12°26'02	18°86'95	5†	23°78'55	6°99'32			
2980	5*	20°57'71	23°94'47	6†	9°22'87	11°87'55			3031	4	12°99'36	18°77'15						
2981	10	21°02'35	23°92'20	11	9°67'45	11°83'38			3032	4	13°25'67	18°64'34						
2982	17	22°45'83	23°38'01	17	11°08'72	11°23'40			3033	24	4°48'73	19°34'24	24	16°00'65	7°15'13			
2983	8	23°25'59	23°40'90	16	11°88'62	11°23'11			3034	32 <sup>S</sup>	6°49'23	19°73'42	29 <sup>S</sup>	17°99'52	7°62'53			
2984				9	12°87'60	11°79'93			3035	5	8°44'89	19°38'53	3*	19°96'23	7°35'64			
2985	46 <sup>S</sup>	15°35'39	23°99'90	51 <sup>S</sup>	4°01'56	12°14'99	67 534	7.0	3036	19	11°46'11	19°01'30	17	22°98'80	7°10'42			
2986	5*	15°56'87	24°16'61	4	4°23'52	12°30'64			3037	38 <sup>S</sup>	8°38'09	20°34'90	30 <sup>S</sup>	19°85'69	8°31'64	67 550	8.9	
2987	24 <sup>S</sup>	17°02'18	24°39'09	32 <sup>S</sup>	5°69'87	12°47'42	67 536	9.2	3038	10	8°69'56	20°64'08	9	20°15'79	8°61'74			
2988	9	19°37'74	24°38'86	9	8°05'16	12°36'74			3039	26	8°71'01	20°99'62	19	20°16'02	8°97'53			
2989	9	19°75'82	24°83'64	12	8°45'06	12°80'25			3040	9	10°38'04	20°43'19	5*	21°85'01	8°47'98			
2990	10	22°38'54	24°50'09	9	11°06'00	12°35'62			3041	6	13°39'43	20°50'69						
2991				6	13°73'83	12°35'03			3042	110 <sup>S</sup>	2°96'58	21°69'02	85 <sup>S</sup>	14°39'24	9°43'69	67 545	6.0	
2992				6	13°85'11	12°92'10			3043	67 <sup>S</sup>	6°79'14	21°61'62	63 <sup>S</sup>	18°21'74	9°51'93	67 549	7.8	
2993	10	15°20'86	25°06'56	19	3°91'65	13°22'18			3044	7	7°89'96	21°18'92	4	19°34'00	9°13'74			
2994				3	7°42'08	13°37'39			3045	7	8°37'32	21°43'14	4†	19°80'30	9°39'69			
2995				4	9°25'82	13°89'29			3046	7	9°48'23	21°78'55	3†	20°89'88	9°79'56			
2996	21	22°99'43	25°29'84	29 <sup>S</sup>	11°69'97	13°12'78			3047	34 <sup>S</sup>	11°03'18	21°62'48	30 <sup>S</sup>	22°44'89	9°69'73	67 552	9.3	
2997				5	13°26'73	13°32'89			3048	13	13°32'10	21°55'66						
	90 <sup>S</sup>	25°83'71	21°72'19				67 545	6.0	3049	8	2°82'74	22°28'49	11	14°23'00	10°02'58			
R.A. 8 <sup>h</sup> 20 <sup>m</sup> to 8 <sup>h</sup> 30 <sup>m</sup>								R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup>										
Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 1899. 1894, March 26.				Plate 2486. 1895, March 24.				Plate 1899. 1894, March 26.				Plate 832. 1893, March 11.						
2998	28	4°27'86	14°03'85	26	16°00'97	1°84'77	67° 547	m.	3050									
2999	6	6°49'81	14°98'53	4*	18°18'78	2°88'32		9.5	3051	4*	6°56'10	22°13'80	8*	16°59'43	10°53'60			
3000	15	11°95'98	14°82'31	9†	23°65'42	2°93'78			3052	23	8°52'39	22°31'79	25	17°96'52	10°03'03			
3001	9	12°63'34	14°13'12						3053	18	9°60'56	22°24'61	14	19°92'01	10°28'95			
3002	9	13°65'32	14°77'75						3054	4	11°89'21	22°78'10						
3003	16	3°52'87	15°63'80	15	15°19'69	3°41'30			3055	18	13°28'79	22°34'42	9†	24°67'56	10°50'40			
3004	30 <sup>S</sup>	4°91'81	15°59'20	31 <sup>S</sup>	16°58'59	3°42'34	67 548	9.5	3056				11	14°20'60	11°34'52			
3005	5	8°39'45	15°32'29	7†	20°06'92	3°29'51			3057	27 <sup>S</sup>	5°89'03	23°93'31	26 <sup>S</sup>	17°22'38	11°79'50			
3006	32 <sup>S</sup>	10°07'16	15°66'58	29	21°73'29	3°70'51			3058	20	7°04'15	23°44'56	20	18°39'22	11°35'52			
3007	17	2°47'39	16°30'22	19	14°11'51	4°03'46			3059	11	9°55'05	23°66'31	10	20°88'78	11°67'39			
3008	21	2°68'37	16°68'28	22	14°30'99	4°42'23			3060				12	16°37'01	12°05'35			
3009	10	3°24'33	16°45'41	12	14°87'56	4°21'74			3061	8	11°30'14	24°29'57	8	22°61'42	12°37'59			
3010	37 <sup>S</sup>	8°36'11	16°83'20	32 <sup>S</sup>	19°97'80	4°80'35	67 551	8.9	3062	24	8°62'62	25°81'85	29 <sup>S</sup>	19°87'95	13°79'07			
3011	28 <sup>S</sup>	13°18'62	16°98'05	23	24°79'02	5°14'43	67 554	9.5	3063	9	11°21'50	25°14'68	8	22°49'35	13°22'05			
3012	5†	5°49'78	17°22'05	4	17°10'20	5°06'90			3064	21	11°30'96	25°70'57	24	22°56'48	13°78'44			
3013	5	5°64'53	17°67'55	4*	17°22'69	5°53'41			3065	4†	11°84'66	25°06'38	6	23°12'97	13°16'52			
3014	15	5°77'42	17°91'28	9	17°34'85	5°77'55							39	0°62'77	5°62'34	67 532	8.6	
3015	9	5°97'00	17°60'05	5	17°55'84	5°47'30			51 <sup>S</sup>	1°79'34	17°58'81				67 544	8.7		
3016	12	7°22'07	17°27'51	8	18°82'10	5°20'07			R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup>									
3017	6	8°50'68	17°00'65	4*	20°11'44	4°98'31			Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°	R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°								
3018	6	8°63'09	17°55'39	5	20°22'10	5°53'35			Plate 1899. 1894, March 26.	Plate 832. 1893, March 11.								
									3066	12	15°11'93	14°23'93						
									3067	12	20°78'79	14°02'87	9*	9°05'53	2°08'64			
									3068	9	22°47'30	14°70'11						

1 réseau interval represents very nearly  $5' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .

## ZONE + 67°.

R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>									R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								
Centre			R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		
Plate 1899. 1894, March 26.			Plate 832. 1893, March 11.						Plate 1885. 1894, March 21.			Plate 832. 1893, March 11.					
No.	Diam.	<i>α</i> .	<i>γ</i> .	Diam.	<i>α</i> .	<i>γ</i> .	B. D.		No.	Diam.	<i>α</i> .	<i>γ</i> .	Diam.	<i>α</i> .	<i>γ</i> .	B. D.	
							No.	Mag.								No.	Mag.
3069	31§	17°05'45	15°82'59	24	5°40'90	3°90'62	°	m.	3120	7	5°44'54	19°6'185				°	m.
3070	41§	18°77'25	15°30'55	34§	7°10'63	3°31'82	67	557	9'4	3121	21	10°21'44	19°63'19	5*	21°66'22	7°7398	
3071	8	19°13'84	15°77'85							3122	30§	11°14'21	19°01'20	21	22°61'40	7°1585	
3072	12	20°65'68	15°17'97							3123	29§	13°57'70	19°34'06	19	25°03'30	7°5889	67 568 9'4
3073	7	24°84'54	15°92'93	5†	13°19'75	3°69'76				3124	17	3°77'53	20°14'92	12	15°20'53	7°9917	
3074	142§	25°43'95	15°10'33	109§	13°75'66	2°85'12	67	560	6°0	3125	10	4°31'57	20°98'37	4	15°71'08	8°8515	
3075	26	15°80'83	16°25'89	13	4°17'87	4°3881				3126	9	7°15'75	20°81'55				
3076	15†	22°11'69	16°03'87	9	10°47'53	3°91'84				3127	12	8°35'90	20°24'62	5*	19°78'15	8°2770	
3077	12	14°24'16	17°28'12							3128	12	12°03'76	20°14'84	3*	23°46'43	8°3300	
3078	11	16°43'73	17°05'88	4*	4°84'28	5°16'56				3129	5	12°31'47	20°46'92				
3079	9	16°60'79	17°59'31							3130	11	6°44'76	21°82'97	4*	17°80'56	9°7807	
3080	23	22°37'79	17°47'04	24	10°79'01	5°33'68				3131	15	8°14'91	21°55'68				
3081	5	17°39'84	18°30'33							3132	8†	9°44'65	21°76'22				
3082	4	19°74'24	18°74'35	2†	8°21'29	6°71'02				3133	27§	11°28'44	21°18'19	25	22°66'45	9°3341	67 566 9'5
3083	3	14°89'44	19°40'67							3134	12	11°36'40	21°24'05				
3084	22§	16°73'06	19°38'02	8†	5°23'02	7°46'93				3135	4	11°94'66	21°00'84				
3085	13	16°88'03	19°25'29	3*	5°37'36	7°33'57				3136	16	3°53'53	22°10'39	8	14°88'39	9°9377	
3086	15	17°88'87	19°01'10	4	6°37'26	7°05'39				3137	4	7°85'58	22°25'84				
3087	27	20°65'99	19°69'04	22	9°16'41	7°62'15				3138	23	10°16'45	22°20'86	15	21°50'43	10°3117	
3088	14	14°38'01	20°23'86	4†	2°91'57	8°42'07				3139	17	11°68'83	22°91'90				
3089	5	16°71'20	20°24'63							3140	44§	12°65'60	22°09'15	44§	24°00'28	10°29'60	67 567 8'8
3090	6	19°62'96	20°00'85	3*	8°14'50	7°97'92				3141	16	13°69'73	22°88'10				
3091	14	22°38'87	22°21'21	16†	10°99'37	10°07'10				3142	10	4°26'28	23°82'01				
3092	5*	24°09'03	22°85'46	9	12°71'24	10°64'09				3143	34§	6°13'39	23°47'81	28	17°42'51	11°41'67	
3093	5	18°10'36	23°81'52	2	6°77'40	11°84'57				3144	15	8°15'32	23°67'95	5†	19°43'40	11°70'15	
3094	20	19°14'86	23°81'55	8	7°81'60	11°80'42				3145	21	9°50'72	23°12'70	10	20°81'16	11°20'49	
3095	67§	24°33'39	23°98'95	37§	13°00'59	11°77'04	67	559	8'4	3146	7	13°84'33	23°69'69				
3096	18	16°22'91	24°42'47	14	4°92'49	12°52'91				3147	14	6°71'52	24°55'84	4	17°96'40	12°51'69	
3097	34§	16°41'69	24°83'07	30§	5°12'83	12°92'85	68	536	9'5	3148	13	11°71'20	24°93'94	4*	22°93'55	13°10'33	
3098	28	17°85'06	24°95'35	28	6°56'68	12°99'22				3149	7	13°45'44	24°12'25				
3099	22	22°11'59	24°49'75	20	10°80'81	12°36'67				3150	15	7°89'45	25°23'15	12	19°11'41	13°23'96	
3100	13†	23°15'49	26°12'37	17	11°91'01	13°94'68				3151	13	9°29'54	25°13'35	9*	20°51'47	13°19'70	
										3152	8	11°27'39	25°53'57				
R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup>									R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>								
Centre			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		
Plate 1885. 1894, March 21.			Plate 832. 1893, March 11.						Plate 1885. 1894, March 21.			Plate 765. 1893, Feb. 8.					
3101	12	4°58'40	14°25'18				°	m.	113§	2°11'68	15°07'09	54§	25°63'10	7°7355	67 569 8'8		
3102	5	13°28'83	14°88'85						66§	1°72'98	24°01'22				67 560 6°0		
3103	9	6°17'62	15°98'95						48§	4°32'43	26°80'52				67 559 8'4		
3104	42§	7°31'82	15°97'77	39§	18°91'50	3°96'92	67	564	9'2	42§	5°27'17	26°11'09			68 542 9°0		
3105	12	11°87'12	15°63'08												68 544 9'5		
3106	24§	13°34'01	15°44'83	8*	24°95'45	3°68'77											
3107	15	2°57'04	16°11'21	9†	14°16'38	3°91'24											
3108	34§	4°14'42	16°51'51	32	15°72'42	4°37'81	67	561	9'5								
3109	3†	10°13'49	16°69'37														
3110	12	12°09'30	16°59'90														
3111	19§	12°27'76	16°78'40	7*	23°83'49	4°98'05											
3112	39§	5°56'12	17°48'65	35§	17°09'69	5°40'34											
3113	5†	5°79'20	17°74'88														
3114	5	7°81'21	17°61'88														
3115	29§	10°47'03	17°47'63	17	22°00'30	5°59'66	67	565	9'5								
3116	4†	10°82'50	17°16'55														
3117	28§	3°52'10	18°75'37	23	15°00'57	6°58'94											
3118	10	10°95'91	18°12'44														
3119	24	3°38'68	19°49'75	18	14°84'27	7°32'98											
R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>									R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>								
Centre			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		
Plate 1885. 1894, March 21.			Plate 765. 1893, Feb. 8.						Plate 1885. 1894, March 21.			Plate 765. 1893, Feb. 8.					
3153	12	20°58'65	14°67'73	4*	8°84'35	2°55'73	°	m.	3153	12	20°58'65	14°67'73	4*	8°84'35	2°55'73		
3154	16	16°66'92	15°18'25	6*	4°94'91	3°21'10			3154	16	16°66'92	15°18'25	6*	4°94'91	3°21'10		
3155	17	20°17'55	15°02'96	10	8°44'23	2°92'28			3155	17	20°17'55	15°02'96	10	8°44'23	2°92'28		
3156	47§	23°08'58	15°35'17	43§	11°36'41	3°13'73	67	572	8'9	3156	47§	23°08'58	15°35'17	43§	11°36'41	3°13'73	
3157	9	15°63'33	16°28'71							3157	9	15°63'33	16°28'71				
3158	32§	23°31'36	16°00'69	29§	11°61'49	3°78'08				3158	32§	23°31'36	16°00'69	29§	11°61'49	3°78'08	
3159	8†	24°96'37	16°99'89	7†	13°29'92	4°71'33				3159	8†	24°96'37	16°99'89	7†	13°29'92	4°71'33	
3160	26§	15°02'14	17°63'54	21	3°39'06	5°71'91				3160	26§	15°02'14	17°63'54	21	3°39'06	5°71'91	
3161	9	19°02'34	17°08'12							3161	9	19°02'34	17°08'12				
3162	97§	25°22'86	17°47'66	86§	13°58'54	5°17'82	67	573	5'2	3162	97§	25°22'86	17°47'66	86§	13°58'54	5°17'82	
3163	9	17°31'08	18°11'44							3163	9	17°31'08	18°11'44				
3164	22§	22°19'49	18°13'88	21	10°57'61	5°95'37				3164	22§	22°19'49	18°13'88	21	10°57'61	5°95'37	



## ZONE + 67°.

R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 1885. 1894, March 21.				Plate 765. 1893, Feb. 8.				Plate 811. 1893, March 4.				Plate 765. 1893, Feb. 8.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.
3165	41S	14°1797	19°4669	45S	2°6194	7°5813	67° 569 8°8	3211	11	9°0772	21°9801	12	20°4809	10°0403	° m.
3166	9	14°9536	19°6101	9	3°4028	7°6981		3212	20	9°8445	21°5701	23	21°2635	9°6627	
3167	14	16°5156	19°8013					3213	43S	7°6055	22°4739	43S	18°9888	10°4780	67 579 9°0
3168	5	22°1037	19°3397	7*	10°5350	7°1575		3214	6	10°6862	22°9309	9†	22°0504	11°0555	
3169	6	25°0722	19°7943					3215	40S	12°0716	22°9347	42S	23°4333	11°1126	67 582 8°8
3170	8	25°0837	19°7987					3216	6	12°4760	22°2624	4†	23°8646	10°4579	
3171	25S	14°0246	20°9789	25	2°5243	9°0986		3217	6	9°5470	23°6593	10	20°8810	11°7379	
3172	12	14°8251	20°2451	4†	3°2998	8°3335		3218	31S	4°6307	24°1859	27S	15°9508	12°0683	68 555 9°5
3173	6	17°4758	20°9144					3219	60S	5°1523	24°4940	67S	16°4595	12°3991	68 557 8°0
3174	7	18°5254	20°3312					3220	16	8°5418	24°5532	19	19°8414	12°5908	
3175	11	19°0920	20°7502	7	7°5750	8°6790		3221	5	12°3042	24°7151	5†	23°5963	12°9024	
3176	9	19°4604	20°4609					3222	6	13°2675	24°9816	7†	24°5488	13°2062	
3177	34S	23°5865	20°3921	25S	12°0536	8°1530						38S	25°4605	9°8988	67 583 9°2
3178	19	23°8589	20°7605	18	12°3358	8°5125						45S	20°1814	1°2918	67 580 9°0
3179	9	15°9744	21°2703									34S	15°5910	1°0096	67 575 9°1
3180	5†	19°1075	21°7202					86S	1°9935	17°3907				67 573 5°2	
3181	31S	14°3957	22°2279	25S	2°9417	10°3329									
3182	24	16°2348	22°3911	16	4°7858	10°4273									
3183	24S	17°5462	22°3405	20	6°0921	10°3288									
3184	6	19°4134	22°8194	9	7°9742	10°7370									
3185	9†	22°8748	22°3084	9*	11°4153	10°0916									
3186	19	14°3065	23°2601	13	2°8934	11°3688									
3187	28S	14°9011	23°3786	24	3°4885	11°4614									
3188	6†	16°3961	23°7949												
3189	10†	18°0829	23°7495												
3190	10	21°7042	23°7899	9	10°3007	11°6182									
3191	13	14°0448	24°5107	6	2°6753	12°6285									
3192	16	14°2748	24°5958	10	2°9069	12°7033									
3193				9†	8°6445	12°4524									
3194				23	11°6269	12°5797									
3195	24S	15°6173	25°1498	24	4°2721	13°2053	68 548 9°5								
3196	7	17°2353	25°1851												
	61S	26°3606	20°9467	48S	1°1952	10°2625	67 567 8°8								
	52S	17°1923	26°7828				67 574 9°1								
	106S	18°0375	26°2221				68 549 9°1								
							68 551 5°1								
R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 10 <sup>m</sup>								R.A. 9 <sup>h</sup> 10 <sup>m</sup> to 9 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 68°				Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 811. 1893, March 4.				Plate 765. 1893, Feb. 8.				Plate 811. 1893, March 4.				Plate 767. 1893, Feb. 8.			
3197	27S	5°6822	14°7183	28	17°3729	2°6514	67 578 9°4	3223	18	19°1175	14°7581	22	7°4321	2°7291	° m.
3198	24	12°7310	14°5375	29	24°4251	2°7502		3224	14	19°9895	14°6051	14	8°2959	2°5396	
3199	52S	3°9300	15°0611	56S	15°6107	2°9254	67 576 8°8	3225	14	25°1802	14°0196	19	13°4582	1°7392	
3200	19†	13°1034	15°0395	24	24°7807	3°2645		3226	15	15°9370	15°3270	14	4°2788	3°4288	
3201	4	5°5800	17°4487	6	17°1633	5°3767		3227	49S	15°7501	16°3684	60S	4°1333	4°4751	67 584 8°3
3202	14	3°1083	18°0681	14	14°6710	5°8959		3228	23	23°5239	16°4706	25	11°9046	4°2577	
3203	10	12°8007	18°8700	7†	24°3228	7°0818		3229	8	19°0805	17°2014	13	7°4949	5°1699	
3204	28	4°7295	19°9149	27	16°2178	7°8047		3230	9	17°5299	18°3751	8†	5°9973	6°4042	
3205	6	13°7495	19°6787					3231	17	21°3603	18°1766	22	9°8116	6°0502	
3206	47S	3°3869	20°7630	42S	14°8443	8°6011	67 574 9°1	3232	5	15°9306	19°1031	8	4°4252	7°2001	
3207	15	3°6120	20°6578	14	15°0723	8°5059		3233	36S	19°2103	19°1064	38S	7°7020	7°0679	67 586 8°7
3208	108S	4°3821	20°5067	115S	15°8486	8°3836	67 577 5°3	3234	16	20°1812	19°6886	20	8°6959	7°6085	
3209	65S	10°1164	20°5368	65S	21°5758	8°6407	67 581 7°8	3235	4	18°9284	20°4499	4	7°4767	8°4221	
3210	25	8°7133	21°0251	29S	20°1561	9°0718		3236	34S	14°0486	21°6407	37S	2°6492	9°8142	67 583 9°2
								3237	4	16°7607	21°1699	7	5°3440	9°2297	
								3238	11	18°1355	21°2732	13	6°7200	9°2761	
								3239	39S	18°2073	21°2278	42S	6°7893	9°2308	67 585 9°1
								3240	9	20°7389	22°0725	16	9°3510	9°9654	
								3241	39S	20°8721	21°4342	42S	9°4594	9°3258	67 588 8°8
								3242	3†	21°6313	21°3529	6	10°2105	9°2111	
								3243				6	10°2309	9°9972	
								3244	16	20°2737	23°3925	19	8°9415	11°3084	
								3245	5	23°7684	23°9122	11	12°4561	11°6828	
								3246	4†	14°5865	23°8957	5	3°2806	12°0462	
								3247				4	3°3137	12°9765	
								3248	4†	16°3403	24°2863	7	5°0485	12°3610	
								3249	8	16°5800	24°1251	15	5°2815	12°1897	
								3250	15	18°7477	24°3146	20	7°4566	12°2900	
								3251				9	8°7129	12°4185	
								3252	5†	21°6905	24°9510	10	10°4197	12°8050	
								3253				4	13°1068	13°3730	
												52S	0°7278	11°1886	67 582 8°8

No. 3208.  $\sigma_2$  Ursæ Majoris.1 *red* interval represents very nearly  $5' = 51^{\text{m}}.2$  of R.A. at Dec. + 67°, and  $53^{\text{m}}.4$  at Dec. + 68°.

## ZONE + 67°.

R.A. 9 <sup>h</sup> 20 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup>									R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup> —contd.																
Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°												
Plate 1863. 1894, March 11.				Plate 767. 1893, Feb. 8.					Plate 1863. 1894, March 11.				Plate 834. 1893, March 11.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
								No.									No.								
								No.									No.								
3254	40 $\frac{8}{8}$	5°3799	14°3677	36 $\frac{8}{8}$	16°6120	2°2722	67° 591	9°1	3303	13	17°4055	15°8208	6*	5°2355	3°9510										
3255	30 $\frac{8}{8}$	10°2940	14°2971	33	21°5232	2°4062			3304	15	17°9507	15°8176	7*	5°7766	3°9255										
3256	48 $\frac{8}{8}$	7°9373	15°7855	40 $\frac{8}{8}$	19°1097	3°7953	67 595	8°5	3305	5†	23°5194	15°2119													
3257	21	4°6888	16°0032	18	15°8525	3°8786			3306	17	24°1883	15°7880	12†	12°0099	3°6333										
3258	12	6°2839	16°8104	9	17°4083	4°7495			3307	40 $\frac{8}{8}$	16°3269	16°2808	36 $\frac{8}{8}$	4°1762	4°4584	67 604	9°0								
3259	24	6°6477	16°9277	21	17°7702	4°8814	67 593	9°4	3308	6	16°8597	16°4702													
3260	46 $\frac{8}{8}$	9°6619	16°4118	44 $\frac{8}{8}$	20°8069	4°4912	67 596	8°8	3309	18	17°8629	16°0258	10†	5°6972	4°1374										
3261	62 $\frac{8}{8}$	9°8780	16°7560	51 $\frac{8}{8}$	21°0082	4°8426			3310	62 $\frac{8}{8}$	18°7394	16°4687	63 $\frac{8}{8}$	6°5937	4°5394	67 608	8°0								
3262	59 $\frac{8}{8}$	9°9110	16°7710	55 $\frac{8}{8}$	21°0383	4°8587	67 597	7°2	3311	7	19°5567	16°8190													
3263	68 $\frac{8}{8}$	6°8137	17°5045	59 $\frac{8}{8}$	17°9137	5°4662	67 594	7°5	3312	16	23°7189	16°4790	10*	11°5683	4°3458										
3264	18	7°1753	17°5816	14	18°2724	5°5555			3313	30	24°0099	16°0101	27	11°8381	3°8629	67 614	9°1								
3265	21	7°6367	17°1152	17	18°7556	5°1098			3314	34 $\frac{8}{8}$	15°6566	17°3866	23	3°5549	5°5893	67 601	9°3								
3266	14	13°3134	17°1900						3315	32 $\frac{8}{8}$	15°7759	17°5352	22	3°6804	5°7312										
3267	11	5°1350	18°8096	8	16°1818	6°6991			3316	17	18°0688	17°2917	11	5°9587	5°3926										
3268	11	9°2630	18°8170	9†	20°3071	6°8785			3317	12	23°1017	17°8520	6*	11°0105	5°7420										
3269	25	9°4026	18°6403	24	20°4540	6°7045			3318	11	23°1262	17°5875	4*	11°0251	5°4783										
3270	13	13°8958	18°5062						3319	19	18°1297	18°1107	14	6°0536	6°2092										
3271	19	5°4683	19°6694	12	16°4801	7°5701			3320	10	19°7209	18°4921	4*	7°6590	6°5227										
3272	47 $\frac{8}{8}$	6°1429	19°6472	47 $\frac{8}{8}$	17°1558	7°5796	67 592	8°2	3321	46 $\frac{8}{8}$	23°6679	18°0727	38 $\frac{8}{8}$	11°5846	5°9398	67 613	9°0								
3273	10	6°3844	19°8938	7*	17°3855	7°8366			3322	42 $\frac{8}{8}$	24°2267	18°9467	34 $\frac{8}{8}$	12°1778	6°7866	67 615	9°2								
3274	7	7°6205	19°7323	7†	18°6264	7°7233			3323	11	15°1012	19°9226													
3275	6	8°1829	19°9612	3*	19°1799	7°9726			3324	36 $\frac{8}{8}$	15°6336	19°2288	35 $\frac{8}{8}$	3°6091	7°4294	67 600	9°4								
3276	18	8°5935	19°3232	15	19°6193	7°3563			3325	16	16°9217	19°9931	10	4°9276	8°1401										
3277	15	4°4312	20°9788	10	15°3910	8°8377			3326	12	18°2570	19°1293	9†	6°2252	7°2181										
3278	37 $\frac{8}{8}$	4°8331	20°9510	29 $\frac{8}{8}$	15°7938	8°8234	67 589	9°2	3327	25 $\frac{8}{8}$	19°2693	19°9255	17	7°2692	7°9734										
3279	21	7°4268	20°1107	18	18°4205	8°0907			3328	9	19°9497	19°8275	5†	7°9444	7°8440										
3280	14	8°4243	20°1608	11	19°4149	8°1839			3329	12	20°5544	19°3336	5†	8°5235	7°3265										
3281	10	11°2932	20°8859	6*	22°2499	9°0293			3330	30 $\frac{8}{8}$	22°5118	19°3865	33 $\frac{8}{8}$	10°4841	7°2994	67 612	9°4								
3282	31 $\frac{8}{8}$	12°4328	20°4321	29	23°4087	8°6237	67 599	9°5	3331	19	22°8435	19°4936	9	10°8187	7°3922										
3283	38 $\frac{8}{8}$	5°3318	21°3173	31 $\frac{8}{8}$	16°2783	9°2104	67 590	9°4	3332	9	23°8067	19°4116	7	11°7766	7°2708										
3284	10	6°8873	21°5976	9	17°8205	9°5584			3333	11	17°3094	20°8382													
3285	24 $\frac{8}{8}$	10°4282	21°3324	21	21°3686	9°4383			3334	6	14°8523	21°2697													
3286	27 $\frac{8}{8}$	10°7450	21°3480	21	21°6825	9°4649			3335	31 $\frac{8}{8}$	17°6503	21°1428	20	5°7008	9°2587	67 606	9°4								
3287	9†	13°1073	21°6190						3336	32 $\frac{8}{8}$	17°8187	21°9539	26	5°9059	10°0593	67 607	9°4								
3288	6†	13°9338	21°9019						3337	50 $\frac{8}{8}$	20°2647	21°2315	47 $\frac{8}{8}$	8°3176	9°2390	67 611	8°3								
3289	11	8°6525	22°4438	9	19°5477	10°4756			3338	8*	24°6389	21°4598	12	12°6954	9°2802										
3290	14	12°5289	22°0617	10	23°4362	10°2543			3339	20	15°1842	22°6463	11	3°3034	10°8604										
3291	14	13°3580	22°8813	7*	24°2294	11°1084			3340	78 $\frac{8}{8}$	15°8614	22°5775	77 $\frac{8}{8}$	3°9770	10°7633	67 602	6°5								
3292	12†	7°2957	23°7801	10	18°1402	11°7525			3341	38 $\frac{8}{8}$	15°9625	22°0312	36 $\frac{8}{8}$	4°0535	10°2183	67 603	9°3								
3293	14*	5°5400	25°8796	13	16°2922	13°7793			3342	38 $\frac{8}{8}$	16°8853	22°8389	33 $\frac{8}{8}$	5°0100	10°9829	67 605	9°4								
3294				5	16°3192	13°8229			3343	16	16°5237	23°9821	9†	4°6956	12°1424										
3295	91 $\frac{8}{8}$	6°2525	25°7381	74 $\frac{8}{8}$	17°0121	13°6688	68 572	6°8	3344	8	15°1321	24°3049	4*	3°3177	12°5218										
3296	51 $\frac{8}{8}$	6°2668	25°6784	(40 $\frac{8}{8}$ )	17°0310	13°6082			3345	30	24°7351	24°7599	19	12°9314	12°5723										
3297	30	7°1853	25°6488	21	17°9486	13°6162			3346	24	15°5519	25°0289	16	3°7689	13°2270										
3298	9†	10°4631	25°1887	9	21°2404	13°2922			3347	7*	16°2257	25°3367	3*	4°4543	13°5053										
3299	26	12°3731	25°5194	24	23°1371	13°7009			3348	10†	19°4213	25°7980	9*	7°6667	13°8310										
									3349	44 $\frac{8}{8}$	20°1844	25°7035	33 $\frac{8}{8}$	8°4257	13°7056	68 579	9°2								
	42	6°9240	26°6199	97 $\frac{8}{8}$	26°7416	10°9080	67 602	6°5	R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup>																
	63 $\frac{8}{8}$	5°4589	26°6114				68 573	9°5	Centre R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°									R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°							
R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup>									R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup>																
Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°					Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 67°				R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°					Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 67°							
Plate 1863. 1894, March 11.				Plate 834. 1893, March 11.					Plate 1863. 1894, March 11.				Plate 834. 1893, March 11.					Plate 1863. 1894, March 11.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
								No.									No.								
								No.									No.								
3300	8	15°2032	14°9068						3350	76 $\frac{8}{8}$	4°4335	14°4079	70 $\frac{8}{8}$	16°1581	2°2605	67° 617	8°0								
3301	4	18°0964	14°3293						3351	12	3°8118	15°3896	8*	15°4955	3°2197										
3302	20	15°2979	15°0176	8*	3°0960	3°2392			3352	9	8°0448	16°9214	7†	19°6652	4°9172										
									3353	50 $\frac{8}{8}$	13°8277	16°8625	60 $\frac{8}{8}$	25°4428	5°0910	67 625	8°3								
									3354	46 $\frac{8}{8}$	5°0302	17°4794	40 $\frac{8}{8}$	16°6284	5°3571	67 618	8°5								
									3355	40 $\frac{8}{8}$	7°8358	17°8629	38 $\frac{8}{8}$	19°4165	5°8531	67 620	9°1								

Plate 767, Nos. 3296, 3297. The 3<sup>min</sup>. image of No. 3296 nearly coincides with the 6<sup>min</sup>. image of 3297, and these have therefore not been measured. The diameters and co-ordinates given are obtained from the 6<sup>min</sup>. and 3<sup>min</sup>. images respectively.

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.



R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 10 <sup>m</sup>																				
Centre R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 1932. 1894, Apr. 3.				R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 834. 1893, March 11.					Centre R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 3079. 1896, Apr. 15.				R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 769. 1893, Feb. 8.																
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.													
								No.									No.												
								No.									No.												
3356	31	8.6759	17.2032	33	20.2837	5.2282	67° 622	m.	3403	7	9.5753	14.0672						3403	7	9.5753	14.0672								
3357	10	11.4260	17.8073					9.5	3404	13	10.4358	14.4813	9*	22.3096	2.5395			3404	13	10.4358	14.4813	9*	22.3096	2.5395					
3358	16	3.5394	18.3021	14	15.1046	6.1184			3405	16	13.4929	14.7259	13*	25.3546	2.9127			3405	16	13.4929	14.7259	13*	25.3546	2.9127					
3359	6	4.4643	19.1892	6*	15.9958	7.0374			3406	9	10.9701	15.4609						3406	9	10.9701	15.4609								
3360	11	4.4673	19.2087	11†	15.9968	7.0577			3407	14	13.6824	15.4995						3407	14	13.6824	15.4995								
3361	18	10.8453	19.5735	19	22.3556	7.6810			3408	5	9.7874	16.3232						3408	5	9.7874	16.3232								
3362	6†	4.6378	20.9034	10*	16.0977	8.7575			3409	17	11.4355	16.9060	27	23.2050	5.0031			3409	17	11.4355	16.9060	27	23.2050	5.0031					
3363	25	6.6566	20.2733	26	18.1421	8.2107			3410	23	13.8078	16.7619	30	25.5790	4.9615	67 644	9.4	3410	23	13.8078	16.7619	30	25.5790	4.9615	67 644	9.4			
3364	5	12.2069	21.3935	4*	23.6426	9.5552			3411	17	11.9957	17.3297	19	23.7482	5.4517			3411	17	11.9957	17.3297	19	23.7482	5.4517					
3365	61§	8.1039	22.6775	49§	19.4907	10.6714	67 621	8.0	3412	28§	12.9616	17.2088	37	24.7152	5.3702	67 641	9.2	3412	28§	12.9616	17.2088	37	24.7152	5.3702	67 641	9.2			
3366	13	3.9064	23.5295	17	15.2614	11.3507			3413	5	13.8230	17.7892						3413	5	13.8230	17.7892								
3367	37§	6.7086	23.1957	38§	18.0750	11.1319	67 619	8.6	3414	56§	2.6447	18.0926	46§	14.3756	5.8197	67 635	7.8	3414	56§	2.6447	18.0926	46§	14.3756	5.8197	67 635	7.8			
3368	38§	11.0422	23.0131	38§	22.4124	11.1269	67 624	9.0	3415	6*	4.1884	18.6616	7†	15.8942	6.4533			3415	6*	4.1884	18.6616	7†	15.8942	6.4533					
3369	8*	3.0876	24.8910	10	14.3859	12.6792			3416	5†	6.3273	18.5451	5	18.0352	6.4257			3416	5†	6.3273	18.5451	5	18.0352	6.4257					
3370	8	9.5280																											

1 *réseau* interval represents very nearly  $5' = 51^{\text{s}}.2$  of R. A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .

## ZONE + 67°.

R.A. 10 <sup>h</sup> 10 <sup>m</sup> to 10 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 10 <sup>h</sup> 20 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup> —contd.															
Centre R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°						Centre R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°			R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°												
Plate 3079. 1896, Apr. 15.			Plate 3061. 1896, Apr. 8.						Plate 3105. 1896, Apr. 28.			Plate 3061. 1896, Apr. 8.												
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								No.																
3453	28§	18°76'52	17°73'91	25§	7°37'75	5°70'14	67° 649	9°0	3504	10	12°94'89	17°49'91	7*	24°57'43	5°65'78	°	m.							
3454	3*	23°93'56	17°67'34	7	12°54'29	5°42'23			3505	24	3°02'56	18°57'94	19	14°61'90	6°36'62									
3455	15	24°84'31	17°96'75	15	13°46'39	5°68'03			3506	5	3°91'59	18°82'42	6†	15°49'97	6°64'25									
3456	11	25°11'19	18°29'12	12	13°74'58	5°99'33			3507	5†	4°42'73	20°81'79	4†	15°93'21	8°65'46									
3457				4	13°90'63	5°46'45			3508	6	10°58'11	20°40'29	3*	22°10'00	8°47'27									
3458	26§	16°76'37	18°25'96	21§	5°40'20	6°30'14	67 647	95	3509	8	11°23'19	20°97'55	6*	22°72'60	9°06'92									
3459	19§	18°35'52	19°50'9	21§	7°04'14	7°47'79			3510	9	11°27'26	20°40'57	6	22°78'91	8°50'35									
3460	40§	23°45'42	19°51'90	32§	12°13'72	7°28'77	67 651	8°5	3511	14	11°60'07	20°72'42	11	23°10'42	8°83'08									
3461	17	24°00'23	19°37'91	15	12°67'90	7°12'52			3512	28	3°57'67	21°61'78	20§	15°05'39	9°42'13	67 654	9°4							
3462	10	15°17'67	19°97'73	9	3°88'52	8°07'83			3513	10	3°58'32	21°62'63	9§	15°06'10	9°43'15									
3463	29§	15°44'74	20°04'93	28§	4°16'00	8°14'46	67 645	9°3	3514	18	4°81'79	21°77'33	11	16°28'57	9°62'27									
3464	4	21°61'68	20°72'40	4	10°34'89	8°56'73			3515	10	5°35'87	21°19'81	7	16°84'77	9°06'74									
3465	11	23°25'22	20°65'89	10	11°98'05	8°43'50			3516	20	9°06'98	21°44'51	14	20°55'07	9°45'62									
3466	30	24°99'20	20°96'63	29§	13°73'44	8°67'09	67 652	8°9	3517	27§	9°72'68	21°90'97	22	21°18'77	9°46'11	67 659	9°5							
3467	7	15°45'39	21°37'34	6	4°21'69	9°46'50			3518	21	6°82'04	22°31'24	14	18°26'85	10°23'78									
3468	7†	17°86'57	21°97'46	6†	6°65'25	9°96'65			3519	29§	10°74'84	22°24'65	18§	22°19'52	10°31'95									
3469	25	18°22'19	21°23'41	21§	6°97'95	9°21'43	67 648	9°5	3520	10	13°32'68	22°06'64	7*	24°78'12	10°23'78									
3470	14	21°05'22	21°67'51	11	9°82'35	9°53'96			3521	4†	13°53'58	22°33'02												
3471	6*	22°28'76	21°87'07	6	11°06'80	9°68'33			3522	7	11°89'98	23°09'09	6†	23°31'44	11°20'74									
3472	28§	15°89'92	21°95'84	25§	4°68'74	10°03'38	67 646	9°3	3523	16	12°88'08	23°81'83	10	24°26'66	11°97'00									
3473	5	19°37'08	23°00'46	6	8°19'77	10°93'77			3524	13	13°95'91	23°47'10	5	25°35'65	11°66'50									
3474	8	23°39'39	22°83'92	10	12°21'10	10°60'83			3525	29	3°07'68	24°72'93	17	14°43'48	12°51'20									
3475				4†	12°82'43	10°02'68			3526	16	3°53'08	24°80'31	9	14°88'24	12°60'40									
3476	10	24°03'40	22°28'74	14	12°82'81	10°03'13			3527	9	10°82'94	24°46'78	9	22°19'21	12°54'51									
3477	11	15°83'69	23°06'17	10	4°67'22	11°13'69			3528	11	13°27'42	24°58'54	7	24°63'01	12°75'27									
3478	17	18°39'11	24°01'77	16	7°26'26	11°98'79	68 600	9°5	3529	42§	4°25'94	25°24'42	25§	15°59'78	13°07'12	68 607	9°5							
3479	11	14°11'40	24°10'86	10	2°99'26	12°25'30			3530	24	7°69'75	25°51'77	15	19°02'23	13°47'48									
3480	59§	24°82'41	24°76'68	32§	13°72'01	12°47'53	68 606	8°5																
3481	31§	14°89'64	25°68'20	27§	3°83'69	13°79'41	68 597	9°1																
3482	27	22°00'07	25°43'93	24§	10°92'42	13°26'15	68 602	9°5																
3483				9	13°53'34	13°68'95																		
	49§	26°12'73	16°54'39				67 653	7°5																
R.A. 10 <sup>h</sup> 20 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup>									R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 40 <sup>m</sup>															
Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°						Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°												
Plate 3105. 1896, Apr. 28.			Plate 3061. 1896, Apr. 8.						Plate 3105. 1896, Apr. 28.			Plate 3061. 1896, Apr. 8.												
3484	10	5°61'90	14°11'94	6*	17°37'76	2°00'67	°	m.	3531	7	19°41'50	14°77'44				°	m.							
3485	4†	5°76'22	14°97'55						3532	8	21°47'76	14°93'46												
3486	9	9°96'83	14°04'63						3533	13	24°97'96	14°95'07	11	13°38'00	2°79'62									
3487	7	9°97'66	14°06'75						3534	13	16°65'03	15°85'14	7*	5°08'38	3°95'52									
3488	34§	5°17'83	15°03'84	24§	16°90'11	2°90'58	67 656	9°0	3535	7	19°48'81	15°65'61												
3489	6	5°43'69	15°21'39						3536	4	20°17'64	15°50'26												
3490	10	7°11'27	15°26'58	5*	18°82'90	3°20'57			3537	19	22°14'20	15°37'65	21	10°55'64	3°30'92									
3491	15	8°47'06	15°73'42	9	20°16'53	3°72'91			3538	11	14°70'19	16°48'82	6*	3°15'74	4°65'39									
3492	47§	3°01'63	16°41'82	40§	14°69'11	4°20'63	67 653	7°5	3539	4	15°24'70	16°83'69												
3493	27§	4°72'41	16°92'38	18	16°37'69	4°77'49	67 655	9°5	3540	10	16°58'77	16°35'56	4†	5°03'85	4°46'25									
3494	7	4°84'52	16°14'55						3541	17	18°15'76	16°66'45	12	6°61'59	4°72'06									
3495	10	8°52'45	16°84'01	5	20°17'69	4°83'59			3542	9	19°22'33	16°63'52	2*	7°68'04	4°65'91									
3496	17	11°31'47	16°58'39	14	22°97'45	4°68'20			3543	5	19°23'78	16°48'94												
3497	34§	11°40'85	16°93'84	25§	23°05'30	5°04'13	67 660	9°0	3544	9	22°47'67	16°05'55	4*	10°91'13	3°97'88									
3498	7	13°26'58	16°96'46	6*	24°91'17	5°13'95			3545	21	23°68'78	16°90'12	27	12°14'95	4°78'50									
3499	14	2°59'16	17°06'46	13	14°24'15	4°83'33			3546	22§	16°74'03	17°10'64	23	5°21'07	5°20'55									
3500	5†	2°92'04	17°60'04	6	14°55'10	5°38'30			3547	10	20°92'19	17°07'79	5*	9°39'11	5°04'68									
3501	14	3°16'82	17°92'67	9	14°78'38	5°72'03			3548	10	21°17'82	17°11'93	5	9°64'59	5°07'99									
3502	15	3°47'21	17°80'11	13	15°09'25	5°60'48			3549	7	21°44'97	17°13'73												
3503	14	7°60'83	17°86'72	10	19°22'25	5°82'52			3550	6	21°94'65	17°07'58												
									3551	29§	22°34'67	17°67'88	34§	10°83'24	5°60'49	67 664	9°2							
									3552	6	14°88'35	18°91'61												



R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 40 <sup>m</sup> —contd.							R.A. 10 <sup>h</sup> 40 <sup>m</sup> to 10 <sup>h</sup> 50 <sup>m</sup> —contd.							
No.		Diam.	x.	y.	B. D.		No.		Diam.	x.	y.	B. D.		
					No.	Mag.						No.	Mag.	
Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 3105. 1896, Apr. 28.							Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 836. 1893, March 11.							
3553	7		15°58'0	18°41'44			3603	18		13°31'48	19°24'67	19	24°94'85	7°81'21
3554	6		15°9'04	18°34'74			3604	17		7°83'36	20°57'85	17	19°40'45	8°85'42
3555	9		17°20'33	18°23'17			3605	18		8°72'61	20°25'36	18	20°31'72	8°57'61
3556	3		17°40'66	18°81'25			3606	17		10°13'93	20°35'83	18	21°72'06	8°75'21
3557	6		19°58'03	18°57'45			3607	9		13°66'49	20°90'42	4*	25°21'06	9°48'83
3558	11		14°68'90	19°23'34	7*	3°22'88	3608	5		2°96'54	21°00'86	9*	14°52'08	9°02'87
3559	8		17°57'42	19°82'45	5†	6°13'02	3609					6	14°65'76	11°27'68
3560	21		22°26'32	19°28'48	13	10°79'96	3610	24		5°12'71	22°94'41	32	16°57'82	11°07'29
3561	9		25°31'24	19°24'98	8	13°84'63	3611	11		9°98'39	22°61'77	17	21°44'42	11°00'34
3562	6		15°70'54	20°07'23			3612	31§		12°71'69	23°63'91	42§	24°12'00	12°16'84
3563	5		16°83'02	20°92'25			3613	5*		3°54'65	25°28'93	10†	14°87'21	13°33'58
3564	7		16°94'90	20°87'38			3614	13		10°60'58	24°78'69	12	21°95'03	13°20'67
3565	23§		19°96'73	20°97'32	28§	8°56'03								
3566	11		21°52'18	20°99'25	6†	10°11'42								
3567	23§		21°55'85	20°46'14	19	10°12'85								
3568	7†		21°76'25	20°77'62	3*	10°34'78								
3569	18		17°83'59	21°71'21	15	6°44'96								
3570	12		14°22'92	22°47'38	9†	2°87'03								
3571	20§		14°28'63	22°03'84	22	2°91'42								
3572	22		17°39'75	22°99'17	22	6°05'17								
3573	10		17°58'81	22°24'14	6†	6°21'97								
3574	14		18°36'18	22°51'27	10	7°00'03								
3575	6		16°55'16	23°13'88										
3576	33§		17°55'19	23°13'69	38§	6°21'03								
3577	12		20°55'25	23°03'94	8†	9°20'36								
3578	10		20°96'14	23°08'15	7†	9°61'72								
3579	18		15°27'73	24°20'04	15	3°97'17								
3580	5		17°88'13	24°40'51	3*	6°57'79								
3581	13		21°98'16	24°39'38	11†	10°67'71								
3582	16		16°76'32	25°21'02	11	5°48'62								
3583	20		18°04'08	25°89'08	23§	6°78'33								
3584	61§		23°19'45	25°4										

1 *réseau* interval represents very nearly  $5' = 51^s.2$  of R.A. at Dec.  $+ 67^\circ$ , and  $51^s.4$  at Dec.  $+ 68^\circ$ .

## ZONE + 67°.

R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 10 <sup>m</sup> to 11 <sup>h</sup> 20 <sup>m</sup> —contd.									
Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1921. 1894, Apr. 1.				R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 771. 1893, Feb. 8.				Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1921. 1894, Apr. 1.				R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.		
3646	6	5.7521	17.1249	3*	17.5385	5.0295	°	m.	3695	5†	21.5279	19.1431	3†	10.3297	7.0622	°	m.
3647	70§	6.3894	17.6037	60§	18.1558	5.5379	67 684	8.0	3696	15	23.4184	19.5640	13	12.2348	7.4080		
3648	19	6.9896	17.3978	19	18.7637	5.3574			3697	6	23.4308	19.7877	6*	12.2575	7.6332		
3649	64§	8.0209	17.3589	55§	19.7949	5.3619	67 685	8.0	3698	4†	23.6584	19.8203	4†	12.4851	7.6548		
3650	12	8.5743	17.2414	8	20.3522	5.2652			3699	17	15.8280	20.2353	13	4.6807	8.3854		
3651	36§	10.1326	17.2340	39§	21.9127	5.3208	67 687	9.5	3700	9	19.5132	20.7159	6*	8.3789	8.7173		
3652	4	12.8499	17.4747						3701	18	22.9714	20.5223	13	11.8281	8.3842		
3653	3*	3.2062	18.2550	6	14.9475	6.0564			3702	22	15.4498	21.2752	14	4.3450	9.4407		
3654	35§	4.1814	18.8954	31§	15.8982	6.7381			3703	35§	16.6202	21.7372	29§	5.5339	9.8554	67 690	9.3
3655	33§	7.4146	18.5794	32§	19.1385	6.5526			3704	4	16.7704	21.8465					
3656	10	9.9759	17.9874	5*	21.7228	6.0709			3705	13	18.2345	21.5844	7	7.1387	9.6353		
3657				9	14.0688	7.4094			3706	82§	19.3089	21.7753	78§	8.2178	9.7827	67 692	6.2
3658	5*	4.3121	20.1466	7	15.9758	7.9930			3707	6	21.7134	22.2223	6*	10.6384	10.1336		
3659	8	8.5402	19.5353	6	20.2249	7.5556			3708	11*	24.0179	22.8255	11	12.9678	10.6429		
3660	19	13.4157	19.6546	12	25.0906	7.8737			3709	10	21.2428	23.0181	8	10.2036	10.9479		
3661	23	2.4757	20.4334	24	14.1293	8.2059			3710	40§	22.0245	23.6655	29§	11.0094	11.5645	68 640	9.1
3662	10	8.1523	20.1444	10	19.8143	8.1469	67 686	8.6	3711	7*	14.8017	24.5036	5*	3.8279	12.6898		
3663	68§	9.7284	20.6669	56§	21.3660	8.7349	67 688	9.1	3712	8†	16.3551	24.1968	5†	5.3658	12.3222		
3664	46§	11.9149	20.4518	43§	23.5618	8.6086			3713	6†	16.8320	24.3147	4*	5.8460	12.4196		
3665	7	4.8608	21.8190	9	16.4550	9.6868			3714	11	18.9643	24.3630	8	7.9799	12.3806		
3666	15	8.9647	21.8515	13	20.5546	9.8854			3715	14	16.6603	25.7722	13	5.7349	13.8814		
3667	4*	3.8240	22.5132	9†	15.3935	10.3358			3716	17	21.5569	25.0506	11	10.6009	12.9671		
3668	43§	5.2591	22.9408	42§	16.8088	10.8223	67 683	8.9	3717	37	23.7006	25.8606	25§	12.7701	13.6869		
3669	108§	6.2609	23.0587	106§	17.8060	10.9804	68 632	6.5									
3670	32§	12.0317	22.4633	30§	23.5961	10.6236	67 689	9.4		68§	25.5477	17.8181		0.7791	8.7563	67 688	9.1
3671	9	13.8812	22.0757	6*	25.4582	10.3135				79§	26.2142	19.5496				67 698	7.5
3672	7	3.7527	23.8365	13	15.2688	11.6569										67 699	8.3
3673	24	4.4018	23.3788	24	15.9371	11.2267											
3674				6†	16.0867	12.2003											
3675	20	9.6564	24.3631	21	21.1428	12.4229											
3676	82§	10.2772	24.3411	80§	21.7630	12.4279	68 635	6.5									
3677				11	14.0148	13.8517											
3678	4†	6.7544	25.2170	5	18.2093	13.1593											
3679	8	6.9577	25.2066	10	18.4106	13.1588											
3680	4*	7.3292	25.1023	9	18.7865	13.0687											
3681	3*	7.4466	25.5357	6	18.8868	13.5067											
3682	14	13.2513	24.8070	15	24.7157	13.0159											
	47§	6.9324	26.6770				68 633	9.3									
	44§	12.6264	26.5818				68 637	9.4									
R.A. 11 <sup>h</sup> 10 <sup>m</sup> to 11 <sup>h</sup> 20 <sup>m</sup>								R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup>									
Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1921. 1894, Apr. 1.				R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.				Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2549. 1895, Apr. 23.				R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.					
3683	23	23.3490	14.4962	13	12.9637	2.3487	°	m.	3718	20§	5.8623	14.0421	23	17.7348	1.9894	°	m.
3684	10	14.9080	16.3837						3719	6	9.0987	14.9073					
3685	86§	16.9499	16.7117	80§	5.6574	4.8192	67 691	6.8	3720	4	10.3868	14.6102					
3686	18	19.0031	16.6358	20	7.7065	4.6601			3721	19	12.1533	14.0241	25†	24.0191	2.2230	67 706	9.3
3687	42§	23.2755	16.4849	34§	11.9699	4.3384	67 696	8.8	3722	18§	13.7029	14.0349	12*	25.5701	2.2901		
3688	23	23.9791	16.9813	20	12.6910	4.8060	67 697	9.5	3723	24§	2.4105	15.2573	24	14.2353	3.0686		
3689	5†	24.0302	16.4963						3724	10	7.6359	15.8092					
3690	8	14.2048	18.6105						3725	13	12.5872	15.9611	13*	24.3771	4.1748		
3691	35§	20.3015	18.8949	27§	9.0942	6.8666	67 693	9.4	3726	18§	12.1089	16.3398	11†	23.8849	4.5346		
3692	9	18.2504	19.9271	6*	7.0879	7.9794			3727	44§	2.5651	17.7619	49§	14.2916	5.5796	67 698	7.5
3693	24	21.0595	19.4134	18	9.8710	7.3519			3728	18	8.3298	17.5173	17	20.0641	5.5602		
3694	21	21.1312	19.5185	14	9.9484	7.4558			3729	10	9.5265	17.9500	6*	21.2405	6.0401		
									3730	16§	12.6708	17.1060	14†	24.4197	5.3192		
									3731	7	3.1734	18.0692	6†	14.8888	5.9077		
									3732	14	5.8534	18.6617	17	17.5442	6.6053		
									3733	28§	8.4307	18.1269	23	20.1420	6.1713		
									3734	5	8.4584	18.5795					
									3735	16	11.6345	18.9001	9*	23.3118	7.0730		
									3736	9	11.6346	18.3240					
									3737	51§	3.3661	19.4336	47§	15.0289	7.2804	67 699	8.3
									3738	16	5.4605	19.3878	17	17.1226	7.3174		
									3739	52§	6.5966	19.7029	62§	18.2440	7.6763	67 701	7.2
									3740	7	7.9613	19.2471	5†	19.6267	7.2759		
									3741	14	3.4465	20.8655	15	15.0512	8.7137		
									3742	26§	6.3700	20.3426	27	17.9935	8.3064	67 700	9.1
									3743	12	12.4461	20.8821	6*	24.0444	9.0849		



## ZONE + 67°.

R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°						Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 2549. 1895, Apr. 23.			Plate 918. 1893, March 25.						Plate 2549. 1895, Apr. 23.			Plate 2562. 1895, Apr. 24.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
3744	6	13°0955	20°9674						3794	4*	16°0045	22°7671	6	4°6455	10°9079			
3745	9	3°7273	21°0216						3795	15	16°4716	22°0551	19	5°0813	10°1802			
3746	11	5°5824	21°1744	8	17°1726	9°1059			3796	6*	18°7965	22°5697	4	7°4268	10°5977			
3747	11	9°4164	21°6939	15	20°9825	9°7780			3797	14	19°3279	22°9047	12	7°9718	10°9099			
3748	37§	10°0577	21°1928	41§	21°6431	9°3010	67	703	3798	22	20°0408	22°6884	21	8°6748	10°6662			
3749	20	10°8337	21°4563	16	22°4116	9°5952			3799	28§	22°2531	22°7973	30§	10°8906	10°6843	67	715	
3750	7	10°8491	21°4573						3800				4	10°5615	11°1230		9°2	
3751	9	12°2418	21°3870						3801	3*	15°1578	23°8346	3*	3°8402	12°0092			
3752	6	13°5250	21°3665						3802	4	16°3292	24°6225	4	5°0458	12°7530			
3753	15	3°6128	22°4491	21	15°1538	10°3036			3803	39§	16°5657	24°5444	36§	5°2795	12°6631	68	652	
3754	7	8°6350	22°0329						3804				4	7°0453	12°9905		9°5	
3755	40§	13°4047	22°7431	49§	24°9276	10°9824	67	708	3805	4*	16°8729	25°0295	4	5°6083	13°1347			
3756	9	5°3209	24°2949	13	16°7889	12°2167			3806	38	18°9422	25°5669	34§	7°6978	13°5852	68	655	
3757	20§	10°0285	24°6496	24	21°4791	12°7552	68	647									9°0	
3758	6*	2°8248	25°9361	6†	14°2264	13°7568							55§	2°0453	10°9916	67	708	
													44§	12°7108	1°4154	67	718	
	69§	6°4352	26°1046				68	644									8°8	
								7°3										

R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup>									R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup>									
Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						Centre R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 2549. 1895, Apr. 23.			Plate 2562. 1895, Apr. 24.						Plate 3907. 1898, March 20.			Plate 2562. 1895, Apr. 24.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
3759	11	14°3261	14°6749	5†	2°6349	2°8949			3807	26	3°5823	14°8231	17	15°2654	2°5148	67	720	
3760	4	18°0825	14°6449						3808	6	4°9673	14°6689					9°5	
3761	28§	18°4008	14°9514	34§	6°7185	3°0031	67	711	3809	4†	4°9951	14°8978						
3762	4†	22°9226	14°4807	4†	11°2164	2°3493			3810	5	7°2457	14°3078						
3763	5	15°0873	15°8518						3811	6	13°7319	14°4858						
3764	10	17°2484	16°2538	10	5°6196	4°3522			3812	5†	2°6841	15°2646	3†	14°3506	2°9172			
3765	33§	20°3250	16°9134	34§	8°7199	4°8822	67	712	3813	17	4°0514	15°5374	8	15°7083	3°2462			
3766	10	21°0608	16°7066	13	9°4490	4°6465			3814	8	4°0570	16°3561	6	15°6774	4°0649			
3767	7	21°3358	16°7842	7	9°7252	4°7121			3815	6	5°2988	16°8101	4*	16°8990	4°5693			
3768	7†	24°9512	16°2321	9	13°3161	4°0147			3816	13	6°8920	16°1165	7	18°5206	3°9404			
3769	9	14°6589	17°5280	6†	3°0854	5°7307			3817	7	6°9559	16°1543	6*	18°5819	3°9757			
3770	10	16°1402	17°9271	11	4°5809	6°0671			3818	6	9°9044	16°6905	5*	21°5070	4°6343			
3771	80§	22°0231	17°5995	90§	10°4479	5°4992	67	714	3819	48§	12°5442	16°3961	48	24°1590	4°4458			
3772	5†	25°2721	17°9141	10	13°7024	5°6807			3820	6	12°5647	16°3663						
3773	15	14°7824	18°1877	9	3°2354	6°3857			3821	8	12°7743	16°0618						
3774	5	18°6408	18°5163	5	7°1052	6°5546			3822	11	4°3283	17°3517	8	15°9093	5°0672			
3775	25	14°4657	19°5140	21	2°9755	7°7242			3823	8	5°3620	17°4451	4	16°9386	5°2057			
3776	15	14°7293	19°8512	10	3°2548	8°0479			3824	59§	5°5507	17°4227	35§	17°1282	5°1894	67	721	
3777	4	15°1880	19°9133	3*	3°7135	8°0914			3825	14	5°5657	17°0160	6	17°1584	4°7837		8°5	
3778	7	16°9662	19°6147	9	5°4762	7°7214			3826	6	8°8673	17°4420	2*	20°4408	5°3403			
3779	43§	23°3505	19°0016	32§	11°8303	6°8466	67	717	3827	6	8°8979	17°9880	5*	20°4497	5°8912			
3780	57§	24°9453	19°1477	46§	13°4298	6°9263	67	719	3828	6	10°5847	17°6497	2*	22°1484	5°6193			
3781	4*	21°9505	20°1664	4	10°4785	8°0662			3829	5	11°0132	17°8611						
3782	6	22°0541	20°2456	6	10°5848	8°1403			3830	20§	11°5069	17°6824	15	23°0667	5°6821			
3783				4	13°8140	8°5628			3831	24§	4°4810	18°4366	14	16°0180	6°1593			
3784	26	15°7076	21°7095	27§	4°3062	9°8656			3832	7	6°2018	18°8227	3*	17°7201	6°6155			
3785	6	16°3536	21°7193	6	4°9509	9°8492			3833	5	8°2616	18°8511						
3786				6	7°6050	9°9850			3834	5	10°0624	18°6993	5*	21°6025	6°6589			
3787	3*	19°4957	21°2627	3	8°0689	9°2631			3835	27	11°6509	18°5136	24	23°1801	6°5258			
3788	59§	21°8626	21°8366	53§	10°4600	9°7395	67	713	3836	12	13°8591	18°9023	7*	25°3683	7°0042			
3789	26	22°8007	22°0011	25§	11°4030	9°8645	67	716	3837	4	4°1506	19°3152	4†	15°6497	7°0241			
3790	6†	23°2108	22°0614	6	11°8164	9°9082			3838	5*	5°0415	19°0132	3*	16°5513	6°7577			
3791	4	23°3321	21°5097	6	11°9144	9°3536			3839	19	6°6710	19°1765	10	18°1778	6°9860			
3792				3	13°3006	9°3074			3840	20	7°2457	19°7319	10	18°7292	7°5661			
3793	9	14°8155	22°0948	9	3°4287	10°2884			3841	8	7°3939	19°3041	6	18°8946	7°1449			
									3842	6	10°6295	19°3978						

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.





## ZONE + 67°.

R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup>							R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.						
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 862. 1893, March 17.							Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2551. 1895, Apr. 23.						
No.	Diam.	<i>z</i> .	<i>y</i> .	Diam.	<i>z</i> .	<i>y</i> .	No.	Diam.	<i>z</i> .	<i>y</i> .	Diam.	<i>z</i> .	<i>y</i> .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
3949				10	18°7057	2°7411	4001	16	21°8739	17°1008	18	10°2758	4°9754
3950	40§	12°1424	14°3531	45§	23°8579	2°5009	4002	22	21°9795	16°1872	28§	10°3406	4°0547
3951	30§	5°2460	15°6361	27§	16°9152	3°5250	4003	10	15°2339	17°1823	11	3°6448	5°3448
3952	3*	10°0820	15°1978	10*	21°7589	3°2695	4004	6	22°3029	17°3496	7	10°7157	5°2055
3953	3†	11°5422	15°6367	8*	23°2069	3°7622	4005	4	15°2794	18°5976	5	3°7537	6°7547
3954	4†	3°8585	17°1271	9	15°4694	4°9600	4006	38§	17°2640	18°8372	38§	5°7440	6°0064
3955	12†	12°9995	16°2263	20	24°6457	4°4028	4007	6†	17°7154	18°8032	6	6°1949	6°8566
3956	11	5°1656	17°8936	15	16°7500	5°7787	4008	28§	18°0963	18°1655	25§	6°5485	6°2005
3957				10	20°2740	5°6985	4009				6	7°4096	6°6910
3958	16	9°6189	17°5279	18	21°2154	5°5791	4010	20	22°8480	18°7688	20§	11°3194	6°5980
3959	16	10°0948	17°1427	20	21°7047	5°2135	4011	4†	22°9101	18°6908	7	11°3791	6°5206
3960				4	15°2084	6°2632	4012	11	18°2239	19°6060	12	6°7386	7°6356
3961	11	12°0736	18°4903	18	23°6320	6°6330	4013	6	18°4139	19°3385	10	6°9155	7°3583
3962	9	13°2172	18°4012	10	24°7791	6°5871	4014	4†	19°4321	19°3827	7	7°9347	7°3595
3963	13	7°3866	19°3555	22	18°9149	7°3221	4015	6	20°5541	19°4206	7	9°0577	7°3475
3964				5	20°5066	7°2107	4016	15	15°7439	20°2603	18	4°2890	8°3968
3965	23	10°3543	19°3206	27	21°8851	7°3995	4017	11	18°4748	21°7902	12	7°0842	9°8064
3966				10	14°0590	8°3856	4018				7	9°7871	9°8360
3967				11	15°5716	8°0542	4019				7	11°9094	9°3001
3968	38§	5°0321	20°7192	35§	16°5087	8°5954	4020	40§	17°9649	22°8702	33§	6°6231	10°9063
3969				8	17°2084	8°0535	4021				6	10°0741	10°7823
3970	12	7°4003	20°4951	18	18°8861	8°4645	4022	13	21°5800	22°7716	11	10°2270	10°6529
3971	4†	7°8741	20°6407	9	19°3569	8°6248	4023				5	12°7512	10°8544
3972	4†	9°3430	20°0465	7†	20°8429	8°0859	4024	20	16°5947	23°2909	20§	5°2701	11°3905
3973				7	16°8384	9°3602	4025	13	18°6347	23°2127	15	7°3072	11°2219
3974	18	12°0332	21°4141	19	23°4821	9°5541	4026	34§	20°6025	23°3451	26§	9°2748	11°2668
3975	34§	12°0442	21°4764	48§	23°4913	9°6169	4027				3	10°1579	11°2976
3976	33§	3°2939	22°4843	28§	14°7061	10°2963	4028				5	11°2250	12°5609
3977				9	16°2671	10°3094	4029	28	14°8636	25°6903	23§	3°6455	13°8603
3978				4	17°4643	10°4383	4030	41§	22°0654	25°9052	25§	10°8492	13°7611
3979	4*	12°0403	22°0057	6†	23°4676	10°1453	4031				7	11°3189	13°2594
3980	9	12°7392	22°5613	13	24°1444	10°7272					78§	8°9558	1°2899
3981				7	15°8757	11°0194							
3982				4	21°0329	11°4630							
3983				6	15°8026	12°7522							
3984				9	14°2821	13°5745							
3985				5	18°5856	13°1789							
3986	19	8°2658	25°0893	22§	19°5784	13°0881							
3987				12	20°7231	13°5087							
3988	31	9°4677	25°4684	22§	20°7641	13°5096							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup>							R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup>						
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 862. 1893, March 17.							Centre R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2524. 1895, Apr. 10.						
R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2551. 1895, Apr. 23.							R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2551. 1895, Apr. 23.						
3989	17	16°0533	14°5939	18	4°3521	2°7240	4032	9	7°7304	14°6582	12	19°4007	2°6128
3990				6	8°9451	2°4912	4033	22	13°2867	14°6965	35	24°9511	2°8721
3991	17	21°5823	14°2069	20	9°8585	2°0953	4034	12	4°7144	15°8073	23	16°3414	3°6417
3992				10	13°9186	2°6742	4035	19	5°1656	15°3382	27	16°8095	3°1902
3993	13	16°2882	15°6328	14	4°6294	3°7498	4036	14	5°9666	15°5990	25	17°6004	3°4820
3994	13	18°8827	15°7404	15	7°2269	3°7444	4037	12	6°2092	15°6999	27	17°8388	3°5912
3995				4†	10°8673	3°6617	4038	35§	10°7458	15°7905	41§	22°3689	3°8623
3996	27§	23°5780	15°5490	30§	11°9101	3°3474	4039	8	11°7133	15°4980	18	23°3470	3°6101
3997				4	6°1436	4°6587	4040	5	9°2249	17°0872	10	20°7971	5°0989
3998				6	6°7644	4°5772	4041	5*	10°4014	17°5364	9	21°9537	5°5951
3999	5	18°9739	16°0808	7	7°3350	4°0810	4042	15†	10°5353	17°5941	17	22°0861	5°6557
4000				4	8°3694	4°6566	4043	43§	11°0156	17°1737	49§	22°5830	5°2561
							4044	6†	4°0806	18°2496	19	15°6092	6°0567
							4045	13†	5°6332	19°0163	21	17°1321	6°8841
							4046	16	7°3657	18°6691	24	18°8765	6°6060
							4047	4*	9°5588	18°0324	7	21°0928	6°0536
							4048	9	10°1044	18°3804	9*	21°6239	6°4255
							4049	15	4°2309	19°2994	23	15°7177	7°1109
							4050	25	4°5476	19°3804	25§	16°0329	7°2031

## ZONE + 67°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Plate 2524. 1895, Apr. 10.			Plate 920. 1893, March 25.		
4051	70§	8.1888	19.3436	68§	19.6724	7.3156	67°	746	6.5	4101			4	13.3616	9.5727		m.
4052				11	24.4147	7.5002				4102	7	16.4222	22.4489	15	5.1253	10.5613	
4053	28	13.3938	19.6120	35§	24.8638	7.7892	67	753	9.5	4103	35§	16.7657	22.2129	39§	5.4607	10.3104	67 755 9.1
4054				5	17.5137	8.3000				4104	26	18.7363	22.0703	31§	7.4213	10.0874	67 757 9.5
4055				5	20.7052	8.6703				4105	10	21.1562	22.4116	13	9.8521	10.3313	
4056	28	10.4310	20.4598	31§	21.8694	8.5184	67	749	9.5	4106	9	22.4491	22.5243	14	11.1469	10.3861	
4057	24	12.1873	20.8082	36§	23.6093	8.9368	67	752	9.5	4107	14	22.7611	23.0821	18	11.4843	10.9305	
4058	6	13.7951	20.7362	13	25.2176	8.9292				4108				6	13.7020	10.4730	
4059	10	13.7909	20.0021	10	25.2433	8.1952				4109	20	18.7405	23.3637	23	7.4803	11.3804	68 689 9.5
4060	14	7.9131	21.0934	12	19.3266	9.0522				4110	6†	22.7909	23.7171	16	11.5398	11.5660	
4061	27	9.2950	21.2820	29§	20.6997	9.2929	67	748	9.3	4111	30§	14.8317	25.0710	34§	3.6447	13.2463	68 688 9.4
4062	10	10.6953	21.0878	22	22.1086	9.1543				4112	53§	19.2257	25.9971	54§	8.0728	13.9901	68 691 8.5
4063	3*	4.7665	22.1742	5	16.1389	10.0022				4113	9	19.2991	25.6436	21	8.1327	13.6332	
4064				9	16.6456	10.6437				4114				6	10.0195	13.1458	
4065	9	11.7313	22.4664	17	23.0878	10.5750				4115				4	11.1170	13.5595	
4066	15	6.9477	23.5291	20	18.2654	11.4477							48§	6.2848	1.1402	67 756 9.1	
4067				5	18.4168	11.4638				51§	19.1073	26.9140				68 690 8.5	
4068	23	8.4622	23.0647	23§	19.7962	11.0411	67	747	9.3								
4069				10	20.0862	11.1041											
4070				6	22.5196	11.8365											
4071				13	16.6215	12.7243											
4072	9	10.3519	24.3500	20	21.6330	12.4016											
4073				5	15.2296	13.1706											
				37§	26.0830	13.3011	68	688	9.4								
R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 40 <sup>m</sup>									R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup>								
Centre R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Plate 2524. 1895, Apr. 10.			Plate 920. 1893, March 25.		
4074	15	18.7287	14.1182	13	7.0904	2.1442				4116	25§	7.7980	14.7064	30	19.6459	2.6614	67° 765 9.5
4075	15	19.9471	14.0957	13	8.3053	2.0712				4117	24§	11.3913	14.0378	40§	23.2639	2.1373	67 766 9.4
4076	30	24.6610	14.0486	31	13.0127	1.8287				4118	14	11.3776	15.6438	21	23.1875	3.7385	
4077	16	15.3779	16.8224	21	3.8507	4.9824				4119	40§	12.4464	15.6702	64§	24.2576	3.8077	67 767 8.5
4078	13	19.9091	16.1395	13	8.3485	4.1139				4120	27	2.3032	16.2632	27§	14.0950	3.9993	
4079	25§	19.9587	16.7551	19§	8.4238	4.7284	67	759	9.5	4121	9	9.3313	16.7930	8	21.0953	4.8062	
4080	4†	23.2961	16.7354	5	11.7576	4.5712				4122	9	9.8588	16.8552				
4081				5	13.1556	4.0556				4123	4	10.6015	16.4567	4†	22.3755	4.5233	
4082	15	17.7957	17.4554	24	6.2908	5.5159				4124	5†	5.1776	17.5685				
4083				5†	6.7081	5.1560				4125	4	6.7409	17.4645				
4084	32§	20.5455	17.9943	38§	9.0602	5.9390	67	760	9.5	4126	13	7.9090	17.1605	14	19.6607	5.1184	
4085	4†	15.4925	18.1515	7*	4.0179	6.3067				4127	13	2.7353	18.1551	14	14.4498	5.9071	
4086	9	18.3625	18.0893	12	6.8853	6.1247				4128	16	3.6850	18.2645	13	15.3962	6.0552	
4087	25	22.4756	18.9733	33§	11.0309	6.8388	67	761	9.1	4129	13	4.4695	18.3281	14	16.1759	6.1485	
4088	18	24.3647	18.7652	21	12.9097	6.5547	67	763	9.5	4130	4†	6.3617	18.6128				
4089				4	3.9717	7.7928				4131	84§	6.4908	18.0636	85§	18.2068	5.9669	67 764 5.3
4090	9	18.0682	19.0708	16	6.6307	7.1184				4132	11	6.6529	18.6456	10	18.3473	6.5519	
4091	10	21.3458	20.0664	8	9.9457	7.9792				4133	16	13.4007	18.5505	22†	25.0929	6.7261	
4092	30§	15.0980	19.9055	36§	3.6967	8.0741	67	754	9.5	4134	24	8.3349	19.2502	24	20.0046	7.2223	
4093	5†	17.8140	20.8419	8	6.4495	8.8953				4135	13	9.4176	19.3196	15	21.0824	7.3359	
4094	15	17.8804	20.2650	23	6.4915	8.3171				4136	7†	10.4146	19.0116				
4095	35§	19.7602	20.1934	41§	8.3690	8.1694	67	758	9.1	4137	6†	7.8772	20.1134	4†	19.5131	8.0697	
4096	4*	20.1255	20.1461	8	8.7258	8.1077				4138	4*	6.9819	21.5141	4†	18.5628	9.4303	
4097	14	14.5942	21.3414	18	3.2559	9.5287				4139	6	8.6897	21.3246	4	20.2788	9.3126	
4098	4†	16.0370	21.7673	9	4.7099	9.8947				4140	4	11.0595	21.6677	3†	22.6281	9.7471	
4099	18	17.0790	21.1252	18	5.7283	9.2114				4141	20	11.2657	21.7116	21	22.8348	9.7997	
4100	22	22.4155	21.3206	33§	11.0658	9.1866	67	762	9.5	4142	4†	11.2819	21.6785	4*	22.8529	9.7690	
										4143	16	11.3319	21.3648	19	22.9134	9.4569	
										4144	7†	2.5877	22.3433	7	14.1364	10.0847	
										4145	6	6.4998	22.7935	9	18.0288	10.6941	
										4146	7	8.6345	22.5553	6	20.1738	10.5396	
										4147	9	13.3005	22.5695	8†	24.8348	10.7364	
										4148	18	9.0635	23.9249	17	20.5462	11.9244	
										4149	9	9.8528	23.6963	11	21.3433	11.7264	
										4150	19	7.4080	24.1935	19	18.8800	12.1258	



1 réseau interval represents very nearly  $\zeta' = \zeta_{18.2}$  of R.A. at Dec. + 67°, and  $\zeta_{38.4}$  at Dec. + 68°.

R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 10 <sup>m</sup>									
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					
Plate 2525. 1895, Apr. 10.				Plate 920. 1893, March 25.				Plate 2641. 1895, May 29.				Plate 2592. 1895, May 4.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.	Mag.								
4151	5	8.2005	24.2753					4200	10	3.3272	14.5366	8	15.1497	2.2111			
4152	7	9.1947	24.9941	8	20.6332	12.9959		4201	5†	4.6168	14.3334						
4153	15	10.9384	24.0279	12	22.4135	12.1012		4202	6	6.4276	14.5484	9†	18.2463	2.3454			
4154	11	13.9369	24.3188					4203	22	9.3857	14.3448	26	21.2099	2.2571	67 775		
4155	6†	10.8289	25.1530	6†	22.2617	13.2178		4204	29	10.8994	14.6505	29	22.7130	2.6220	67 776		
								4205	17	10.9637	14.6101	18	22.7796	2.5815	9.5		
								4206	10	11.7704	14.1651	8†	23.5992	2.1742			
								4207	3	3.8249	15.4670						
								4208	9	7.7195	15.3040	10	19.5142	3.1499			
								4209	9†	7.9539	15.4121						
								4210	24	11.7889	15.0174	31	23.5897	3.0234	67 777		
								4211	16	3.2447	16.5797	14	14.9868	4.2532	9.4		
								4212	6	8.4847	16.4751	6†	20.2281	4.3520			
								4213	5†	3.5317	17.7224	6†	15.2342	5.4046			
								4214	15	3.3824	19.2200	16	15.0228	6.8969			
								4215	6†	12.3312	19.9453						
								4216	7†	5.7322	20.9984	9	17.3063	8.7657			
								4217				4	17.8077	8.8013			
								4218	4	6.4040	21.0692	6	17.9743	8.8590			
								4219				4	18.5610	8.8387			
								4220	18	7.1647	20.7561	26	18.7431	8.5807	67 774		
								4221	7	7.8297	20.3957	11	19.4245	8.2449	9.5		
								4222	16	9.4066	21.0116	20	20.9756	8.9204			
								4223	25§	11.5541	20.3294	31§	23.1500	8.3214			
								4224	16	13.1263	20.0331	21	24.7320	8.0857			
								4225	37§	13.7828	20.0716	48§	25.3859	8.1520	67 778		
								4226	6	3.5005	21.7913	11	15.0426	9.4712	9.5		
								4227	6	5.8899	21.6629	13	17.4347	9.4356			
								4228	9	11.0074	21.2068	18	22.5662	9.1791			
								4229	13	10.0129	22.1705	15	21.5348	10.1017			
								4230				6	15.9998	11.9254			
								4231	4*	5.3671	23.5548	5	16.8435	11.3015			
								4232	20	11.0869	23.1949	25	22.5706	11.1674			
								4233	42§	13.6794	23.6040	61§	25.1465	11.6769	68 719		
								4234	88§	13.9814	23.8544	90§	25.4374	11.9395	68 720		
								4235	60§	3.5067	24.6556	42§	14.9393	12.3341	68 709		
								4236	8†	4.5678	24.4414	12	16.0061	12.1580			
								4237	78§	13.4458	24.1179	69§	24.8929	12.1837	68 717		
								4238				4	18.3172	13.7468	7.0		
								4239	5*	7.5020	25.8547	8	18.8888	13.6848			
								29	2.3363	24.9950					68 708		
								32	3.9466	26.9670					68 710		
								42§	10.6035	26.3885					68 714		
								39§	13.5434	27.1040					68 718		
															9.0		
															9.0		
															8.5		
															9.0		
															</		

ZONE + 67°.

R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre		R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre		R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					
Plate 2641. 1895, May 9.				Plate 2553. 1895, Apr. 23.				Plate 865. 1893, March 17.				Plate 2553. 1895, Apr. 23.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
4248				7	4°68'05	4°99'80	°	m.	4295	11	13°10'82	22°94'12	10	24°47'46	11°16'00	°	m.
4249	6†	14°18'87	16°99'46	4†	2°65'15	5°11'09			4296	11	5°43'17	23°28'37	10	16°78'83	11°22'90		
4250	6	15°74'52	17°32'25	6	4°22'14	5°37'13			4297	17	5°73'59	23°11'80	12	17°09'93	11°07'40		
4251	26	22°29'20	17°24'89	26§	10°75'99	5°02'04	67 782	9'4	4298	8	9°44'59	24°17'54	9	20°76'71	12°26'07		
4252	7†	19°23'35	19°03'15	10†	7°77'92	6°93'35			4299	12	3°36'86	26°08'44	12	14°62'36	13°95'42		
4253	4*	24°37'10	19°01'91	4	12°91'19	6°70'54			4300				7	20°77'42	13°94'47		
4254				6	13°26'45	7°41'90											
4255	40	24°83'68	19°78'88	26§	13°40'89	7°45'32	67 783	9'3									
4256				9	13°98'93	7°51'96											
4257	6	23°76'50	21°28'47	10	12°40'09	8°99'23											
4258	6	14°23'85	21°93'46	10	2°91'28	10°04'08											
4259	27§	16°39'86	22°71'01	25§	5°10'28	10°72'72											
4260	6	19°49'27	22°42'58	10	8°18'04	10°31'05											
4261	61§	20°27'76	22°76'42	50§	8°97'84	10°61'97	67 780	7'8									
4262	36	25°21'54	23°08'57	24§	13°92'63	10°73'06	67 784	9'2									
4263	27	14°86'56	23°79'77	25§	3°61'72	11°87'45											
4264	10	17°07'66	23°17'52	11	5°80'11	11°16'33											
4265	24	19°23'43	23°80'83	22	7°98'21	11°70'29											
4266	4	14°53'34	24°73'33	6	3°32'48	12°82'66											
4267	6	15°63'69	24°52'47	13	4°41'80	12°57'25											
4268				10	7°25'60	12°60'41											
4269				6	4°16'16	13°84'52											
				41§	2°42'39	11°73'58	68 719	9'0									
				64§	2°73'64	11°97'20	68 720	6'7									
				60§	2°21'30	12°25'96	68 717	7'0									
	46§	16°23'13	26°32'98				68 721	9'1									

R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>								
Centre		R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				
Plate 865. 1893, March 17.				Plate 2553. 1895, Apr. 23.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
4270	13	10°51'96	14°80'60				°	m.
4271	17	12°48'38	14°38'81					
4272	23	2°64'56	15°57'33	19	14°27'71	3°42'32		
4273	27§	6°75'24	16°04'77	26	18°36'42	4°04'05		
4274	10	7°33'02	16°71'63	7	18°91'65	4°73'14		
4275	6†	10°79'71	16°33'91					
4276	15	13°86'81	16°30'13					
4277	12	2°92'75	17°58'93	10	14°48'44	5°44'83		
4278	21	6°92'97	17°59'82	18	18°48'70	5°59'80		
4279	21	7°40'21	17°71'45	16	18°95'57	5°73'37		
4280	10	9°32'65	17°97'87	11	20°86'97	6°06'55		
4281	7	9°68'28	17°21'92	7	21°25'30	5°31'81		
4282	9	3°12'69	18°82'71	10	14°63'97	6°69'40		
4283	34§	7°48'35	18°03'12	23§	19°02'53	6°05'40		
4284	7	11°11'43	18°88'49					
4285	8*	3°74'91	19°03'79	8	15°25'58	6°92'48		
4286	8	4°66'94	19°18'74	8	16°16'97	7°10'50		
4287	25	13°79'27	19°90'17	21	25°26'46	8°14'87		
4288	32	13°93'68	19°34'96	29	25°42'78	7°60'02		
4289	32	3°60'09	20°41'76	18	15°05'79	8°29'96		
4290	24	7°91'77	20°93'93	12	19°35'58	8°97'45		
4291	46§	9°34'65	20°63'09	40§	20°79'34	8°71'87	67 786	8'7
4292	14	8°52'21	21°98'85	11	19°92'41	10°04'30		
4293	41§	7°80'66	22°70'93	26§	19°18'08	10°73'89	67 785	9'4
4294	6	11°88'56	22°55'21	9	23°26'59	10°72'78		

R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup>								
Centre		R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				
Plate 865. 1893, March 17.				Plate 2556. 1895, Apr. 23.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
4301	42	25°54'87	14°09'02	27	13°75'87	1°79'30	67 797	8'6
4302	78§	19°99'70	15°36'69	68§	8°26'70	3°31'89	67 792	7'0
4303	13	14°56'48	16°99'00	9†	2°91'32	5°18'83		
4304	11	18°24'28	16°15'04	9	6°55'08	4°18'10		
4305	20	23°20'11	16°89'80	15	11°53'73	4°70'21		
4306	11	23°39'68	17°14'39	7	11°74'24	4°94'06	67 794	9'5
4307	22	24°37'14	16°17'47	25	12°67'45	3°92'87	67 796	9'4
4308	31	25°59'66	16°61'50	26	13°91'75	4°31'39	67 798	9'1
4309	10	14°58'87	17°72'69					
4310	8	15°36'20	17°87'34					
4311	13	16°05'48	17°07'37					
4312	12	22°09'18	17°61'93	10	10°46'24	5°47'32		
4313	13	23°44'75	17°66'14	10	11°81'80	5°45'53		
4314	8	14°95'13	18°13'62	7	3°35'26	6°31'30		
4315	18	15°21'68	18°11'91	16	3°61'65	6°28'24		
4316	15	18°42'52	18°57'00	9	6°84'19	6°58'83		
4317	38	19°86'77	18°72'02	35§	8°28'91	6°67'41	67 791	9'2
4318	10	21°31'96	18°19'07	9	9°71'63	6°08'17		
4319	31	21°37'77	18°37'52	26§	9°78'17	6°26'19		
4320	10	21°45'07	18°25'04	7	9°85'10	6°13'57		
4321	15	14°20'17	19°75'12	7	2°67'65	7°96'34		
4322	18	19°09'91	19°82'95	16	7°57'25	7°81'51		
4323	12	20°02'25	19°53'93	5	8°48'09	7°48'47		
4324	17	20°03'85	19°28'99	12	8°48'59	7°23'51		
4325	16	22°55'33	19°79'49	17	11°01'95	7°62'74		
4326	16	14°11'12	20°89'22	16	2°63'62	9°10'48		
4327	33§	17°71'94	20°38'70	30§	6°21'83	8°43'65	67 788	9'0
4328	82§	18°67'87	20°52'97	73§	7°18'31	8°53'61	67 790	6'3
4329	10	18°96'55	20°49'05	10	7°46'94	8°48'52		
4330	22	19°66'64	20°39'11	16	8°16'36	8°35'56		
4331	14	21°18'34	20°80'03	12	9°69'87	8°69'40		
4332	15	20°73'87	21°88'11	11	9°30'15	9°79'39		
4333	12	21°44'51	21°12'88	7	9°97'54	9°09'98		
4334	14	21°47'55	21°12'18	8	10°00'51	9°00'13		
4335	22	23°21'18	21°02'36	14	11°73'31	8°82'53		
4336				6	13°62'05	9°55'25		
4337	6	16°03'29	22°37'85					
4338	15	16°52'97	22°80'10	8	5°14'02	10°90'10		
4339	43§	20°42'92	22°39'19	33§	9°01'81	10°31'94	67 793	9'0
4340				5	13°78'71	10°72'06		
4341	35§	16°19'30	23°34'02	28§	4°82'76	11°45'61		
4342	36§	17°82'90	23°17'21	30§	6°45'30	11°21'46	67 789	9'5
4343	9†	16°57'98	24°42'82	10	5°26'17	12°52'52		
4344	66§	18°59'63	24°35'80	50§	7°27'35	12°36'34	68 732	8'4
4345	43§	19°53'39	24°57'64	37§	8°22'23	12°54'01	68 733	9'0
4346	34§	20°53'70	24°16'66	27§	9°20'64	12°08'55		

1 réseau interval represents very nearly  $5' = 51^{\circ}2$  of R.A. at Dec.  $+ 67^{\circ}$ , or  $53^{\circ}4$  at Dec.  $+ 68^{\circ}$ .



ZONE + 67°.

R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. +67° Plate 865. 1893, March 17.				Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. +68° Plate 2556. 1895, Apr. 23.				Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. +67° Plate 2033. 1894, May 12.				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +68° Plate 2566. 1895, Apr. 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
4347	10†	25°23'10	25°20'02	12	13°94'01	12°90'75	°	4391	17	15°13'28	14°10'88	12†	3°41'18	2°13'74	°
4348	13	15°31'91	25°32'90	8	4°04'34	13°48'34		4392	12	15°61'69	14°82'46				
4349	33	18°81'01	25°43'46	19§	7°53'53	13°43'08		4393	21	21°69'78	14°82'12	17	9°99'93	2°55'96	
4350	23	18°83'79	25°59'05	15	7°57'03	13°58'52		4394	16	23°10'20	15°39'76	13	11°42'49	3°07'44	
								4395	16	14°26'05	16°10'04	21	2°62'30	4°16'38	
								4396	12	16°36'48	16°87'12	8	4°76'12	4°84'35	
								4397	9	16°63'65	16°87'21	6†	5°03'22	4°83'08	
								4398	31§	16°72'62	16°23'55	31§	5°09'36	4°19'18	67 809 9'3
								4399	4	16°78'73	16°02'11				
								4400	19	19°74'12	16°09'15	22	8°09'96	3°91'54	
								4401	29§	21°51'90	16°34'48	28§	9°88'56	4°08'67	67 816 9'4
								4402	9	21°85'11	16°64'93	10	10°22'98	4°37'93	
								4403	5*	22°66'36	16°92'01	6	11°04'02	4°31'44	
								4404	49§	22°87'54	16°90'35	38§	11°26'26	4°58'94	67 818 8'0
								4405	32§	20°94'29	17°22'33	29§	9°34'88	4°99'32	67 814 9'3
								4406	16	21°27'05	17°98'46	15	9°70'92	5°74'04	67 815 9'5
								4407	4*	22°58'75	17°82'37	4	11°01'82	5°51'88	
								4408	46§	25°39'77	17°40'25	32§	13°80'53	4°97'71	67 819 9'0
								4409	13	15°01'74	18°16'12	11	3°47'31	6°18'77	
								4410	18	15°65'60	18°45'81	21	4°12'36	6°45'66	
								4411	7	18°02'75	18°09'51	6	6°47'31	5°99'33	
								4412	15	16°22'28	19°21'42	18	4°72'02	7°18'79	
								4413	46§	18°28'11	19°10'38	42§	6°77'06	6°98'88	67 812 8'0
								4414	29§	19°49'45	19°57'99	27§	8°00'52	7°41'19	67 813 8'8
								4415	6	19°92'80	19°17'92	8	8°41'93	6°98'85	
								4416	17	22°90'79	19°70'46	17	11°42'06	7°38'66	
								4417	6*	24°35'73	19°20'78	9	12°83'87	6°82'33	
								4418				4	13°70'56	7°09'33	
								4419	4†	17°68'48	20°17'52	4	6°22'23	8°08'33	
								4420	4†	19°19'02	20°03'54	5	7°71'77	7°87'46	
								4421				6	9°54'06	8°41'12	
								4422	51§	22°31'68	20°28'19	39§	10°85'41	7°98'63	67 817 8'5
								4423				8	12°25'35	8°63'95	
								4424	5*	23°91'74	20°59'04	10	12°46'72	8°22'62	
								4425	5*	24°07'40	20°58'73	10	12°62'25	8°21'95	
								4426				6	13°73'63	8°51'85	
								4427	12	14°72'29	21°15'34	14	3°30'95	9°19'32	67 807 9'5
								4428	18	17°94'86	21°76'81	22§	6°55'72	9°66'63	67 811 9'2
								4429				4	8°67'80	9°34'64	
								4430	15	20°34'52	21°91'74	11	8°95'20	9°71'01	
								4431	4†	21°06'48	22°13'32	6	9°68'33	9°89'39	
								4432				8	11°97'32	9°80'71	
								4433				4	12°44'45	9°41'64	
								4434				4	12°57'29	9°77'46	
								4435	11	15°43'04	22°06'43	12	4°05'36	10°07'10	
								4436				4	7°62'06	10°25'37	
								4437				4	10°13'11	10°13'22	
								4438				8	12°29'26	10°56'44	
								4439	4*	16°49'26	23°87'96	5	5°19'55	11°83'86	
								4440	4*	20°37'01	23°85'41	6	9°06'52	11°64'33	
								4441	38	21°31'99	23°51'11	29§	10°00'07	11°25'92	68 751 9'0
								4442				8	10°14'77	11°83'42	
								4443	35§	15°64'13	24°57'62	35§	4°37'54	12°56'93	68 747 9'2
								4444				6	7°05'87	12°87'65	
								4445	11	19°13'59	24°84'45	15	7°87'14	12°68'51	
								4446				4	9°20'76	12°58'52	
								4447	8*	21°68'87	24°35'06	10	10°40'70	12°07'98	
								4448				5	11°91'24	12°94'23	
														</	

1 *réseau* interval represents very nearly  $5' = 51^{\circ}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\circ}.4$  at Dec.  $+ 68^{\circ}$ .

## ZONE + 67°.

R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2033. 1894, May 12.				Plate 2566. 1895, Apr. 24.				Plate 2034. 1894, May 12.				Plate 2594. 1895, May 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
4449				4	13.5590	12.5869	° m.	4489	20	17.2826	14.0756	16	5.6235	2.1685	° m.
4450	26	20.8964	25.5825	24§	9.6686	13.3452	68 750 9.5	4490	7	14.4297	15.5311				
	72§	25.5600	21.0929				67 820 8.0	4491	7	21.7467	15.3391	8	10.1366	3.2518	
	52	26.3756	22.8072				67 821 9.0	4492	6*	22.5204	15.4587	9	10.9139	3.3374	
								4493	11	24.2338	15.2706	14	12.6192	3.0819	
								4494	8	19.0241	16.9535	11	7.4825	4.9723	
								4495	7	23.2412	16.3431	12	11.6707	4.1947	
								4496	45§	23.4623	16.8248	39§	11.9095	4.6655	67 833 9.0
								4497	4*	23.6216	16.5939	7†	12.0607	4.4271	
								4498	4	16.7375	17.2356				
								4499	9	17.6968	17.7696	8†	6.1876	5.8427	
								4500	26§	19.4583	17.6165	27§	7.9419	5.6180	67 830 9.5
								4501	15§	19.9320	17.0309	27§	8.3908	5.0122	
								4502	5†	24.2347	17.5071	8	12.7093	5.3157	
								4503	21§	16.7475	18.7690	22	5.2804	6.8775	
								4504	4*	22.5941	18.1356	7	11.1011	6.0085	
								4505	41§	23.3628	18.2751	39§	11.8701	6.1203	67 832 8.0
								4506	28§	14.4712	19.7779	27§	3.0470	7.9787	67 828 9.1
								4507	14	17.1635	19.0285	16	5.7051	7.1225	
								4508				9	12.5623	7.4575	
								4509				6	13.6386	7.8488	
								4510	17	14.3267	19.9799	21	2.9132	8.1855	
								4511	4	14.9630	20.0278	4†	3.5453	8.2036	
								4512	10	17.7348	20.0612	11	6.3188	8.1299	
								4513	60§	22.4326	20.6631	58§	11.0345	8.5438	67 831 8.0
								4514	13	16.8452	21.0410	20	5.4715	9.1482	
								4515				6	11.1535	9.2786	
								4516				6	13.7290	9.7752	
								4517	4	14.7757	22.5550	4	3.4624	10.7403	
								4518	13	15.3115	22.3051	18§	3.9882	10.4698	
								4519				4†	12.2362	10.9036	
								4520	6	17.7658	23.5902	11	6.4923	11.6536	
								4521	14	19.1841	23.6247	15	7.9100	11.6319	
								4522				7	10.1855	11.7893	
								4523				14	5.1323	12.9316	
								4524	10	20.3316	24.3093	16	9.0845	12.2687	
								4525	31§	21.8105	24.3918	25§	10.5655	12.2923	68 775 9.4
								4526				7	13.6944	12.8146	
								4527	37§	15.5296	25.0487	35§	4.3167	13.1983	68 772 9.4
								4528	18	17.3475	25.1386	20	6.1381	13.2192	
								4529	23	21.9453	25.5300	24§	10.7470	13.4222	68 776 9.5
								4530				15	10.9397	13.2846	
								4531				6	11.6689	13.3003	
								4532	15*	24.5344	25.9483	24§	13.3492	13.7315	
								48§	25.9724	14.1586				67 835 7.3	
								55§	14.2314	26.5682				68 771 8.0	
								R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°				R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°			
Plate 2569. 1895, Apr. 24.				Plate 2594. 1895, May 4.				Plate 2569. 1895, Apr. 24.				Plate 2594. 1895, May 4.			
4533	40§	2.6020	14.1426	44§	14.3114	1.8997	67 835 7.3	4533	40§	2.6020	14.1426	44§	14.3114	1.8997	67 835 7.3
4534	39§	3.0961	14.2357	31§	14.8009	2.0129	67 836 9.3	4534	39§	3.0961	14.2357	31§	14.8009	2.0129	67 836 9.3
4535	4*	5.4651	14.6535	4†	17.1535	2.5222		4535	4*	5.4651	14.6535	4†	17.1535	2.5222	
4536	7	9.9716	14.3381					4536	7	9.9716	14.3381				
4537	6	12.5651	14.8460					4537	6	12.5651	14.8460				



## ZONE + 67°.

R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°								
Plate 2569. 1895, Apr. 24.			Plate 2594. 1895, May 4.			Plate 2569. 1895, Apr. 24.			Plate 1046. 1893, Apr. 24.								
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
						B. D.								B. D.			
						No. Mag.								No. Mag.			
4538	7	3°1100	15°8743	10	14°7497	3°6476											
4539	13	7°1688	15°6480	15	18°8156	3°5825											
4540	14	8°0995	15°4635	13	19°7530	3°4400											
4541	12	13°1734	15°6275														
4542	9	6°7768	16°2660	6	18°3995	4°1872											
4543	10	11°1525	16°1510	7	22°7747	4°2452											
4544	26§	13°2702	16°1957	31	24°8919	4°3747											
4545	4†	9°8832	17°7901	4	21°4438	5°8332											
4546	8	11°3494	17°9552														
4547	8	12°8044	17°7630														
4548	9	3°2268	18°1593	14	14°7710	5°9379											
4549	10	3°9619	18°9744	16	15°4765	6°7824											
4550	18	5°5582	18°0332	24	17°1091	5°9042											
4551	29§	6°7916	18°0919	35§	18°3405	6°0134	67 837	9.5									
4552	11	11°3629	18°5403	12	22°8903	6°6432											
4553	11	13°8355	18°6091														
4554	23	2°8456	19°1262	26§	14°3544	6°8896											
4555	26	6°4812	19°2527	26§	17°9840	7°1609											
4556	6	6°9123	19°5460	8	18°3994	7°4708											
4557	16	9°8922	19°3614	12	21°3862	7°4052											
4558	6	5°4372	20°1837	9	16°9029	8°0481											
4559	9	5°8734	20°6887	8	17°3176	8°5713											
4560	16	4°1466	21°5098	16	15°5594	9°3234											
4561	15	8°5162	21°3365	16	19°9348	9°3238											
4562	30§	10°3432	21°5408	44§	21°7522	9°6008	67 839	9.0									
4563				10	16°6821	10°1207											
4564	4*	5°5873	22°5705	6	16°9600	10°4381											
4565	31§	10°8856	22°7456	38§	22°2452	10°8281	67 840	9.0									
4566				10	14°7253	11°8928											
4567	36§	10°6803	23°5519	64§	22°0105	11°6253	68 785	8.5									
4568	6	9°8527	24°2144	7	21°1522	12°2553											
4569	29§	3°0878	26°1053	22§	14°3158	13°8708											
4570				9	18°5772	13°1553											
4571	27§	10°0715	25°3610	34§	21°3254	13°4065	68 784	9.1									
4572	4	12°8579	25°3589	5	24°1092	13°5153											

R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup>									R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup>								
Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°								
Plate 2569. 1895, Apr. 24.			Plate 1046. 1893, Apr. 24.			Plate 2570. 1895, Apr. 24.			Plate 1046. 1893, Apr. 24.								
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
						B. D.								B. D.			
						No. Mag.								No. Mag.			
4573				13	13°1610	2°9442											
4574	6	17°2317	15°2800	8	5°5435	3°4117											
4575	6	18°8019	15°0185	7	7°1077	3°0897											
4576	16	21°8874	15°1915	24	10°1949	3°1336											
4577	4*	22°4122	15°7969	8	10°7436	3°7168											
4578	6	23°6813	15°9675	15	12°0167	3°8378											
4579	5†	24°0992	15°4285	11	12°4144	3°2780											
4580	3†	24°7366	15°6597	10	13°0615	3°4825											
4581	48§	17°1145	16°6996	68§	5°4883	4°8333	67 843	7.3									
4582	15	18°4626	16°5856	24	6°8317	4°6663											
4583	18	19°7870	16°2910	26§	8°1410	4°3164	67 844	9.5									
4584	7	20°8390	16°7094	15	9°2076	4°6913											
4585	6	18°5160	17°1345	5	6°9046	5°2112											
4586	7	20°2270	17°4545	11	8°6282	5°4617											
4587	3†	19°3203	18°5653	5	7°7661	6°6068											
4588	17	21°1615	18°9409	23	9°6206	6°9083											
4589	4	17°0820	19°1068	9	5°5536	7°2398											

4590	6	17°4559	19°5009	10	5°9446	7°6192							
4591	3*	18°4012	19°4327	4†	6°8872	7°5110							
4592	6	18°5758	19°9195	10	7°0794	7°9909							
4593	9	15°0090	20°2083	19	3°5285	8°4283							
4594	13	19°5427	20°5289	21	8°0725	8°5603							
4595	20	20°0755	20°6518	28§	8°6076	8°6614							
4596	20	21°4438	20°7290	23§	9°9753	8°6848							
4597				7	12°3076	8°4613							
4598				12	3°6976	9°5210							
4599	13	17°8646	21°5571	11	6°4364	9°6572							
4600	13	18°7193	21°2752	14	7°2772	9°3394							
4601				4	7°4750	9°7965							
4602	42§	23°0748	21°5495	51§	11°6419	9°4386	67 847	8.5					
4603				13	12°4593	9°4687							
4604				5	5°7353	10°1823							
4605	6†	17°2420	21°9877	9	5°8317	10°1137							
4606	2*	17°9473	22°0681	5	6°5400	10°1633							
4607	11	18°7362	22°1485	13	7°3314	10°2125							
4608				4	9°7796	10°6271							
4609				6	9°8226	10°0323							
4610	27	21°5352	22°8083	38§	10°1522	10°7597	67 845	9.5					
4611				9	5°4457	11°1942							
4612	11	23°4395	23°2105	20§	12°0740	11°0801							
4613				7	12°9693	11°4218							
4614	26§	15°1470	24°5502	38§	3°8424	12°7605	68 791	9.5					
4615	4*	15°6518	23°9849	7	4°3260	12°1732							
4616	8	16°1156	24°5739	13	4°8113	12°7444							
4617	4†	16°9388	23°9251	7	5°6065	12°0617							
4618				10	6°6247	12°6109							
4619				9	12°6940	12°7046							
4620				13	13°3848	12°8008							
4621	18	16°9962	25°6290	23	5°7336	13°7633							
4622				13	6°9165	13°0480							
4623				9	10°7423	13°2122							
4624				13	11°2575	13°8326							
4625	13	24°5275	25°9135	20	13°2718	13°7385							

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.															
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2570. 1895, Apr. 24.				R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1046. 1893, Apr. 24.				Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2570. 1895, Apr. 24.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2595. 1895, May 4.											
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.								
R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.															
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2570. 1895, Apr. 24.								Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2570. 1895, Apr. 24.								R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2595. 1895, May 4.							
4642	36§	8.5209	16.6546	43§	20.1240	4.6895	67° 851	m.	4692	37§	23.7217	14.1054	40§	11.9767	1.9335	67° 861	m.						
4643	4	9.7818	15.9838	6*	21.4072	4.0663		9.1	4693	8	14.6867	15.9915	8	3.0239	4.1826		9.2						
4644	7	10.8180	16.3902	11	22.4271	4.5169			4694	13	15.0984	15.3449	14	3.4081	3.5232								
4645	11	4.8287	18.1049	14	16.3747	5.9889			4695	4	16.3772	15.8447											
4646	10	5.6074	17.2029	13	17.1879	5.1176			4696	4	18.9594	15.2839											
4647	11	5.8508	17.6262	16	17.4164	5.5516			4697	6	19.4656	15.9022	7	7.7944	3.9001								
4648	7	8.1967	17.1584	13	19.7765	5.1784			4698	7	20.9849	15.8446	12	9.3110	3.7833								
4649	14	13.0485	17.4275	26	24.6147	5.6426			4699	13	18.8844	16.5654	18	7.2406	4.5867								
4650	13	13.1100	17.0644	31	24.6907	5.2791			4700	23	18.9004	16.5365	28§	7.2556	4.5569	67 857	9.5						
4651				6	14.4626	6.3473			4701	12	20.6288	16.6597	20	8.9879	4.6116								
4652	12	6.4907	18.4505	20	18.0235	6.4016			4702	12	18.6197	17.7639	18	7.0251	5.7951								
4653	31§	6.5863	18.3152	41§	18.1235	6.2710	67 850	9.1	4703				4†	13.6574	5.1756								
4654	6	7.9092	18.3152	9	19.4453	6.3233			4704	4	17.4305	18.7396											
4655				5	21.1462	6.6762			4705	9	15.3413	19.6353	15	3.8260	7.7988								
4656	13	10.3466	18.2964	20	21.8764	6.4032			4706	16	15.4607	19.3551	22	3.9337	7.5142								
4657	4†	4.4081	19.3949	5	15.9030	7.2607			4707	7	17.4719	19.9326	7	5.9680	8.0080								
4658	10	6.0111	19.6250	13	17.4947	7.5561			4708	17§	18.2029	19.4443	22§	6.6770	7.4913								
4659	7	6.5883	19.7346	12	18.0660	7.6874			4709	7†	22.1414	19.9765	6	10.6327	7.8651								
4660	8	10.0488	19.5696	16	21.5327	7.6622			4710	11	22.6202	19.0926	10	11.0744	6.9610								
4661	6	10.6201	19.2839	15	22.1137	7.3981			4711	50§	24.1337	19.8998	58§	12.6212	7.7104	67 862	7.5						
4662	7	13.2276	19.6049	10	24.7071	7.8233			4712	18	25.0799	19.4546	16	13.5480	7.2252								
4663	7	2.8052	20.7386	13	14.2458	8.5390			4713	6†	14.4742	20.1303	5†	2.9791	8.3307								
4664	24§	4.7927	20.5745	37§	16.2403	8.4548	67 849	9.5	4714	14	14.9088	20.5455	15	3.4291	8.7266								
4665	4	5.0939	20.1711	9	16.5563	8.0615			4715	16	19.4602	20.6848	16	7.9835	8.6797								
4666				5	18.3613	8.5782			4716	33§	22.6798	20.8073	40§	11.2062	8.6752	67 860	9.0						
4667	8	9.4487	20.6561	12	20.8854	8.7245			4717	6†	20.5778	21.2254	4	9.1223	9.1776								
4668	4†	6.6378	21.4074	6	18.0487	9.3625			4718	29§	21.3651	22.0217	33§	9.9405	9.9393	67 859	9.4						
4669	18	7.4717	21.1450	20	18.8933	9.1336			4719				6	10.1185	9.6261								
4670	6	11.7447	21.3853	8	23.1552	9.5435			4720	14	22.0290	21.7269	12	10.5912	9.6181								
4671	28§	3.2682	22.6846	36§	14.6326	10.5025	67 848	9.2	4721	33	23.6649	21.9170	30§	12.2345	9.7440								
4672	7	11.0675	22.2756	5	22.4380	10.4068			4722	7	18.8035	22.2145	9	7.3891	10.2351								
4673	12	11.2731	22.1867	16	22.6494	10.3278			4723	20	21.0778	22.1947	20	9.6604	10.1249								
4674	3†	12.8406	21.9031	4†	24.2289	10.1028			4724				3	12.3610	10.2154								
4675	17	13.4598	22.6354	16	24.8167	10.8627			4725	7	14.4097	23.5230	7	3.0536	11.7215								
4676				6	14.3358	11.3638			4726	23	16.1755	23.8144	25§	4.8282	11.9400	68 807	9.5						
4677	3†	6.6717	23.3957	6	18.0021	11.3497			4727	15	17.6195	23.3853	15	6.2540	11.4536								
4678	6	7.9032	23.1005	7	19.2459	11.1020			4728	17	19.6893	23.1851	16	8.3157	11.1717								
4679	39§	10.2423	23.8446	44§	21.5538	11.9413	68 802	9.0	4729				6†	9.1440	11.1453								
4680	4	12.6850	23.6915	9	24.0002	11.8863			4730	27§	20.8752	23.3352	27§	9.5058	11.2705								
4681				9	14.7340	12.9025			4731	13	22.5898	23.3018	10	11.2180	11.1700								
4682	4	5.1177	24.3307	5	16.4134	12.2248			4732	27	24.1912	23.6781	27§	12.8323	11.4822	67 863	9.3						
4683	14	5.8757	24.7728	26	17.1534	12.6927			4733	7	14.2196	24.3782	9	2.8945	12.5852								
4684	33§	8.8565	24.8458	43§	20.1281	12.8863	68 799	9.0	4734	6†	15.4332	24.6031	4	4.1172	12.7576								
4685	5	10.3566	24.2530	11	21.6502	12.3529			4735	8	16.0301	24.8562	12	4.7260	12.9893								
4686	17	10.9365	24.3380	25	22.2267	12.4627			4736	26	17.8935	24.2097	34§	6.5621	12.2660	68 808	9.5						
4687	27	8.0547	25.9168	33§	19.2848	13.9223			4737	10	18.7515	24.6058	10	7.4359	12.6302								
4688	31§	11.7049	25.4812	38§	22.9494	13.6360	68 803	9.4	4738	9	20.7645	24.3278	13	9.4352	12.2694								
									4739				4	13.9816	12.3603								
				41	24.3529	1.8530	67 854	9.5	4740	17	14.6766	25.0105	21	3.3801	13.1960								
									4741	18	17.6882	25.3069	15	6.4014	13.3700								
									4742	9†	19.2536	25.5050	12	7.9727	13.5052								
									4743	7	20.2586	25.7370	15	8.9860	13.6983								
									4744	3†	21.4072	25.3849	5	10.1226	13.2989								
									4745				10	11.0360	13.7453								
									4746				10	12.8922	13.3806								
R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>																							
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2570. 1895, Apr. 24.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2595. 1895, May 4.																			
4689	6	16.0142	14.7227				°	m.		61§	27.0280	21.4044				67 864	8.7						
4690	40§	19.4058	14.1958	51§	7.6657	2.1987	67 858	8.0															
4691	8	22.5062	14.3819	10	10.7724	2.2604																	



## ZONE + 67°.

R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup>								R.A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup>									
Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2605. 1895, May 6.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2595. 1895, May 4.				Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2605. 1895, May 6.				R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2030. 1894, May 10.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
4747	30S	11.7362	14.4010	41S	23.4325	2.5222	67° 869	9.4	4799	4	15.9338	14.1189	15	10.9179	2.6962		
4748	15	11.8182	14.3817	18	23.5179	2.5037			4800	13	22.6870	14.7860	15	10.9179	2.6962		
4749	46S	12.6679	14.9287	60S	24.3467	3.0849	67 871	9.0	4801	24S	17.9963	15.6445	24S	6.2657	3.7451		
4750	15	3.4229	15.1178	15	15.0993	2.9055			4802	18	19.4129	15.6147	18	7.6792	3.6591		
4751	16	6.7769	15.0270	26	18.4530	2.9487			4803	8	19.7518	15.8490	10	8.0278	3.8779		
4752	18	7.0421	15.8418	24	18.6856	3.7749			4804	44S	19.8845	15.3255	42S	8.1388	3.3492	67 880	9.4
4753	15	9.7565	15.7181	21	21.4014	3.7586			4805	7†	23.1664	15.2895	8	11.4159	3.1791		
4754	33S	12.3728	15.4330	42	24.0293	3.5754	67 870	9.0	4806	16	23.7132	15.4368	19	11.9666	3.3037		
4755	14	4.8766	16.4690	20	16.4965	4.3154			4807	19	16.5785	16.8344	22	4.8988	4.9946		
4756	29S	5.3826	16.9375	32S	16.9798	4.8039			4808	50S	17.0787	16.6739	46S	5.3893	4.8102	67 875	8.1
4757	6†	5.4385	16.3830	6†	17.0626	4.2514			4809	7	18.3798	16.5876	8	6.6866	4.6701		
4758	21	6.7067	16.3913	25	18.3280	4.3114	67 866	9.5	4810	11	18.8297	16.0050	11	7.1119	4.0689		
4759	9	9.7086	16.6108	7	21.3182	4.6509			4811	21	19.6042	16.2795	23	7.8972	4.3155		
4760	12	10.6582	16.0199						4812	8	21.5621	16.0875	12	9.8454	4.0416		
4761	13	12.2852	16.2945						4813	23S	25.5874	16.3790	24S	13.8788	4.1669		
4762	4†	5.1653	17.1511	4†	16.7581	5.0073			4814	21S	14.6612	17.5720	20	3.0133	5.8092		
4763	9	11.7069	17.4611						4815	18	16.3528	17.3358	20	4.6920	5.5050		
4764				10	16.3100	6.8192			4816	29S	18.9493	17.8765	30S	7.3076	5.9375	67 877	9.4
4765	9	6.4053	18.1515	9	17.9572	6.0553			4817				10	8.3566	5.8984		
4766	30S	9.6400	18.8743	35S	21.1588	6.9084	67 868	9.0	4818	3†	20.3738	17.8518	4	8.7287	5.8526		
4767	12	13.4017	18.3815	7	24.9388	6.5649			4819	17	20.6035	17.6696	20	8.9538	5.6612		
4768	16	2.9180	19.6976	17	14.4104	7.4643			4820	52S	15.4919	18.0726	51S	3.8634	6.2762	67 873	8.2
4769				4†	14.4872	7.4437			4821	11	20.0964	18.0508	11	8.4633	6.0637		
4770	24S	6.9986	19.1502	26S	18.5111	7.0789			4822	7	20.7981	18.1512	7	9.1689	6.1364		
4771	12	7.4198	19.7511	15	18.9044	7.6962			4823	39S	22.8737	19.0441	36S	11.2739	6.9443		
4772	14	7.8701	19.7520	11	19.3553	7.7149			4824	63S	24.2175	18.5813	58S	12.5996	6.4242	67 883	8.0
4773	20	11.8539	19.5203	20	23.3465	7.6405			4825	8	24.2340	18.7299	10	12.6252	6.5723		
4774	7†	8.8127	20.2553	8	20.2789	8.2553			4826	14	25.5830	18.4529	15	13.6618	6.2391		
4775	7	13.4092	19.9599	7	24.8831	8.1418			4827	22	15.3389	19.3619	24	3.7627	7.5693	67 872	9.5
4776	40S	4.1451	21.2797	40S	15.5729	9.0929	67 864	8.7	4828	23	17.2448	19.5221	25	5.6728	7.6517		
4777				7	15.7968	9.8000			4829	7	17.4873	19.1493	10	5.8972	7.2701		
4778	27S	7.4077	21.8739	28S	18.8091	9.8164	67 867	9.5	4830				5	11.1661	7.4822		
4779	12	7.6243	21.3191	10	19.0474	9.2712			4831				6	12.3532	7.0469		
4780	24	11.7168	21.0371	26	23.1514	9.1511			4832	12	17.8999	20.2453	15	6.3554	8.3449		
4781	10	11.7398	21.0359	10	23.1700	9.1498			4833	6	20.5531	20.2572					
4782				9	18.0852	10.6984			4834				6	9.5099	8.7129		
4783				9	18.1727	10.1944			4835	10	22.9336	20.8299	11	11.4115	8.7253		
4784	9	6.9659	22.5805	12	18.3403	10.5054			4836	9†	24.2197	20.6405	11	12.6851	8.4836		
4785				8†	18.3863	10.5122			4837	51S	25.2637	20.4631	40S	13.7224	8.2636	67 885	9.0
4786	5	7.3815	22.9464	9	18.7418	10.8834			4838	10	14.1086	21.9131					
4787	23	13.6741	22.4152	28	25.0504	10.6063			4839	7	14.6772	21.6705	7	3.1972	9.9022		
4788	13	8.8988	23.7384	16	20.2245	11.7383			4840	14	17.0618	21.0864	14	5.5563	9.2207		
4789				7	15.4175	12.6445			4841	22	18.9761	20.9526	20	7.4604	9.0074	67 878	9.5
4790	18	7.4137	25.0186	14	18.6909	12.9556			4842	20	20.9509	21.7550	14	9.4657	9.7309		
4791	10†	7.4628	24.4604	10	18.7621	12.4018			4843				5†	9.6760	9.0885		
4792	11	7.8250	24.2749	13	19.1318	12.2324			4844				7	12.8956	9.3758		
4793				9†	24.3832	12.2040			4845				7†	13.6446	9.0312		
4794	8	13.1465	24.2906	14	24.4471	12.4608			4846	6	14.1100	21.9123	9*	2.6395	10.1696		
4795	18	3.4914	25.9724	21	14.7332	13.7541			4847	17	14.4874	22.3184	19	3.0348	10.5570		
4796				7	17.9312	13.8260			4848	117S	18.0139	22.6617	113S	6.5675	10.7543	67 876	5.2
4797	24	9.6860	25.5820	19	20.9393	13.6098			4849	13	18.1219	22.2004	9	6.6588	10.2910		
4798	4*	11.3687	25.4784	6	22.6250	13.5749			4850	16	18.4155	22.8803	13	6.9784	10.9578		
									4851	38S	20.9347	22.4295	36S	9.4784	10.4040	67 881	9.1
									4852	20	23.7813	22.1410	24	12.3108	10.0001	67 882	9.5
									4853	16	14.6886	23.0163	15	3.2645	11.2478		
									4854	5†	15.6061	22.9276	9	4.1761	11.1239		
									4855	4*	18.3078	23.3898	4	6.8928	11.4729		
									4856	20	21.9631	23.4095	18	10.5468	11.3412		
									4857	4	18.1141	24.8326	9	6.7602	12.9216		

x *reseau* interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.

## ZONE + 67°.

R. A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup> —contd.								R. A. 15 <sup>h</sup> 20 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup>																							
Centre R. A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R. A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R. A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°				R. A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°																			
Plate 2605. 1895, May 6.				Plate 2030. 1894, May 10.				Plate 397. 1893, May 28.				Plate 2030. 1894, May 10.																			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.																
							No. Mag.								No. Mag.																
R. A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup> —contd.																R. A. 15 <sup>h</sup> 20 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> —contd.															
Centre R. A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°								R. A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°								Centre R. A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°								R. A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°							
Plate 2605. 1895, May 6.								Plate 2030. 1894, May 10.								Plate 397. 1893, May 28.								Plate 2030. 1894, May 10.							
4858				8	12°0884	12°8517	°	m.	4907	8	5°5000	23°7627	6†	16°8235	11°4170	°	m.														
4859				9	13°8367	12°9706			4908	24	7°8951	23°0653	16	19°2459	10°8170																
4860	4*	17°2063	25°5364	5*	5°8825	13°6675			4909	6*	8°9849	23°7114	3†	20°3114	11°5067																
4861	11	17°6235	25°7477	12	6°3088	13°8561			4910	7	9°1105	23°7641	3	20°4329	11°5629																
4862	7	20°2674	25°6980	12	8°9439	13°6941			4911	4*	9°2678	23°5674	4*	20°5940	11°3742																
									4912	12	9°5056	23°2603	9	20°8462	11°0757																
									4913	13	9°5356	23°6802	9	20°8606	11°4966																
	53§	14°1440	25°8791	51§	5°0629	1°6846	67 874	9°0	4914	4*	10°2478	23°1015																			
	43§	25°9806	23°0048				68 824	8°7	4915	36§	10°7937	23°8844	36§	22°1106	11°7506	67 896	9°5														
							67 886	9°5	4916	4†	11°6704	23°2287																			
									4917	18	11°8483	23°1769	12	23°1908	11°0851																
									4918	36§	4°3160	24°3427	22	15°6200	11°9505																
									4919	11	5°8894	24°3493	7	17°1898	12°0208																
									4920	46§	6°8943	24°0419	33§	18°2061	11°7554	67 889	9°4														
									4921	9	9°6316	24°0121	5	20°9435	11°8303																
									4922	37§	12°5100	24°8700	29§	23°7853	12°8072	68 833	9°5														
									4923	24	12°8219	24°7053	13	24°1045	12°6514																
									4924	6*	3°8851	25°8274	4*	15°1265	13°4157																
									4925	8†	4°8972	25°3845	5	16°1579	13°0179																
									4926	7	7°2619	25°0817	4	18°5320	12°8066																
									4927	18†	7°9157	25°6471	7	19°1635	13°3961																
									4928	24	8°6422	25°3648	18	19°9014	13°1454																
									4929	28	11°5733	25°2011	19	22°8347	13°0998																
													34§	21°2423	1°8143	67 894	9°2														
													87§	25°7453	2°2539	67 901	7°9														
													40	26°1198	7°2383	67 902	9°1														
									46§	2°2741	20°7326					67 885	9°0														
R. A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup>																															
Centre R. A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°								R. A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°																							
Plate 397. 1893, May 28.								Plate 2656. 1895, June 5.																							
4863	12	4°9609	14°9262	17	18°8562	2°3392	67 895	8°8	4930	84§	14°0542	14°2540	81§	2°3357	2°2659	67° 901	7°9														
4864	20	7°1728	14°6103	61§	21°5913	1°9811			4931	26	17°4640	14°7764	21	5°7638	2°6568																
4865	49§	9°8874	14°1444						4932	9	18°4138	14°3467	5	6°6963	2°1895																
4866	9	11°2590	14°7790						4933	9°	19°8543	14°4902	7	8°1432	2°2771																
4867	44§	12°0037	14°1474	59§	23°7073	2°0699	67 897	8°7	4934	34§	19°9043	14°3135	35§	8°1840	2°0981																
4868	22	2°5530	15°1975	14	14°2172	2°7426			4935	19	15°3048	15°1271	19	3°6228	3°0904																
4869	11	8°8471	15°7650	9†	20°4873	3°5616			4936	9	16°4218	15°5679	4†	4°7536	3°4883																
4870	6	8°9664	15°3653						4937	9	20°4640	15°0581	6	8°7702	2°8174																
4871	8	10°2010	15°1497						4938	19	23°2963	15°9464	15	11°6382	3°5947																
4872	8	10°3477	15°5305						4939	36§	23°8850	15°7703	33§	12°2164	3°3998	67 910	9°5														
4873	23	4°0351	16°5639	16	15°6458	4°1677			4940	5	16°5460	16°4609	5	4°9125	4°3765																
4874	39§	8°3146	16°2698	36§	19°9362	4°0444	67 892	9°2	4941	15	19°7056	16°4615	6	8°0724	4°2505																
4875	5	8°5464	16°5186						4942	21	24°2877	16°9007	19	12°6658	4°5097																
4876	18	2°8594	17°6703	12	14°4274	5°2258			4943	10	24°4194	16°5685	8	12°7845	4°1717																
4877	7	10°7463	17°7589						4944	33§	15°7649	17°8892	34§	4°1866	5°8313																
4878	39§	12°2237	17°7826	39§	23°7816	5°7087	67 898	9°5	4945	5*	17°6856	17°7050	4	6°1022	5°5716																
4879	5	13°0308	17°5788						4946	13	19°2013	17°2730	8	7°5994	5°0812																
4880	42§	8°2579	18°4071	38§	19°7938	6°1777	67 891	9°1	4947	20	24°0419	17°3934	13	12°4102	5°0111																
4881	11	11°7991	18°2075	12	23°3386	6°1198			4948	61§	16°2499	18°7235	43§	4°7050	6°6461	67 903	8°6														
4882	8	3°1998	19°1956	5	14°7054	6°7664			4949	4†	17°0259	18°5745	5	5°4731	6°4695																
4883	6	3°4066	19°6076						4950	5†	18°5601	18°7459	5	7°0164	6°5752																
4884	11	4°9769	19°7879	9	16°4581	7°4267			4951	5†	18°9654	18°3162	5†	7°3988	6°1333																
4885	26§	5°3203	19°9163	17§	16°7960	7°5688			4952	29	22°5343	18°1326	19	10°9631	5°8082																
4886	9	6°3675	19°0084	8†	17°8787	6°7035			4953	43§	14°6223	19°2147	34§	3°0982	7°2048	67 902	9°1														
4887	35§	7°2072	19°8364	32§	18°6860	7°5635			4954	8	24°2757	19°8409	12	12°7672	7°4501																
4888	44§	7°6670	19°0438	39§	19°1790	6°7893	67 890	9°0																							
4889	12	10°9490	19°9565	14	22°4200	7°8303																									
4890	10	11°0346	19°8433	12	22°5123	7°7230																									
4891	4	11°4039	19°2895																												
4892	7	12°5250	19°6991																												
4893	37§	5°1499	20°3759	19	16°6087	8°0213																									
4894	30	6°7668	20°4739	17	18°2213	8°1826	67 888	9°4																							
4895	36§	9°4697	20°5782	34	20°9177	8°3948	67 893	9°5																							
4896	34§	12°2582	20°7915	36§	23°6950	8°7189	67 899	9°4																							
4897	42§	12°2938	20°6997	42§	23°7351	8°6269	67 900	9°0																							
4898	12	13°4926	20°2864	6	24°9493	8°2595																									
4899	12	4°4985	21°7069	8	15°9044	9°3267																									
4900	8	6°4367	21°9056	4	17°8349	9°6011																									
4901	5†	8°6359	21°9883																												
4902	8	3°0265	22°4569	4	14°4037	10°0144																									
4903	9	3°7847	22°1974	5	15°1729	9°7850																									
4904	16	6°6959	22°5689	10	18°0683	10°2759																									
4905	7	6°7278	22°3505	4	18°1077	10°0554																									
4906	47§	3°1967	23°2101	36§	14°5448	10°7743	67 886	9°5																							

1 réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



## ZONE + 67°.

R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 40 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 397. 1893, May 28.				Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2656. 1895, June 5.				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2658. 1895, June 5.				Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2656. 1895, June 5.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
4955	58§	25°1138	19°0693	40§	13°5749	6°6466	67° 911 8.8	5004	15	12°8152	14°4561	20†	24°5538	2°6201	° m.
4956	8	17°3347	20°1775	11	5°8448	8°0537		5005	31§	3°5759	15°2569	35§	15°2855	3°0506	67 913 9.1
4957	6	19°8750	20°9792	6	8°4162	8°7613		5006	6	5°9914	15°9667	15	17°6725	3°8551	
4958	6	20°1703	20°9574	6	8°7131	8°7246		5007	17	6°6873	15°8754	20	18°3732	3°7902	
4959	35§	20°6428	20°8801	24§	9°1830	8°6314	67 906 9.5	5008	46§	7°2578	15°0903	49§	18°9732	3°0284	67 917 8.7
4960	4*	22°4111	20°3007	5	10°9181	7°9794		5009	3	7°7815	15°7808				
4961	50§	23°0646	20°5521	39§	11°5851	8°2066	67 909 9.0	5010	10	10°0773	15°6411	11	21°7646	3°6888	
4962	17	15°0537	21°4037	16	3°6147	9°3715		5011				6†	14°9040	4°7411	
4963	6	15°3305	21°9904	4	3°9153	9°9498		5012	28§	7°7041	16°0563	28§	19°3793	4°0134	67 918 9.2
4964	12†	15°4024	21°7364	10	3°9777	9°6909		5013	18	9°7708	16°0075	23	21°4458	4°0452	
4965	13	16°8960	21°6690	10	5°4672	9°5662		5014	16	13°6216	15°8122	14	25°3041	4°0051	
4966	12	17°3182	21°8111	12	5°8957	9°6904		5015				7	14°7638	5°9304	
4967	4	17°9269	21°4435	4	6°4866	9°3013		5016	15	7°9611	17°8252	20	19°5646	5°7901	
4968	19	19°0544	21°2693	15	7°6053	9°0802		5017	9	8°0870	17°9021	7†	19°6887	5°8722	
4969	6*	20°0198	22°0897	6	8°6061	9°8655		5018	10	10°3813	17°0967	11	22°0143	5°1589	
4970	4*	22°2987	21°4224	6	10°8548	9°1054		5019	42§	4°6811	18°6961	37§	16°2536	6°5314	67 914 8.5
4971	22	24°6153	22°2703	13	13°2042	9°8612		5020	9	4°7338	18°7353	8	16°3040	6°5713	
4972	17	14°3834	22°0374	14	2°9699	10°0326		5021				7†	16°6442	6°5912	
4973	5	16°0409	22°9109	5	4°6641	10°8388		5022	16§	5°9820	18°4053	18§	17°5653	6°2897	
4974				4	5°2245	10°2774		5023	6*	8°0836	18°5013	5	19°6626	6°4706	
4975	7	17°0351	22°8751	6	5°6432	10°5662		5024	19§	9°4536	18°6303	26§	21°0251	6°6538	
4976	6†	19°8476	23°1254	7	8°4746	10°9023		5025	4†	10°9179	18°5167	4†	22°4909	6°6000	
4977	9	21°3190	22°8078	5	9°9319	10°5290		5026	9	10°9386	18°2395	10	22°5263	6°3228	
4978	15	21°9274	23°0032	10	10°5503	10°7001		5027	9	11°6684	18°1076	10	23°2607	6°2208	
4979	5	22°6386	22°4730	4	11°2383	10°1424		5028	4	11°9028	18°3243				
4980	32	23°5680	23°1806	19§	12°1934	10°8106		5029	13	13°3829	18°3847	10	24°9621	6°5623	
4981				5	13°6355	10°3553		5030	9	2°6830	20°1222	10	14°1954	7°8757	
4982	6†	14°2836	23°1624	4	2°9151	11°1616		5031	7	5°5192	19°9994	9	17°0380	7°8644	
4983	5	14°4866	23°8365	5	3°1463	11°8280		5032				4	17°6631	7°7997	
4984	7*	15°5442	23°9646	4†	4°2076	11°9154		5033	7	7°1585	19°9952	9	18°6789	7°9267	
4985	27	16°2451	23°6023	19§	4°8935	11°5216		5034	4†	7°7350	19°2733	4*	19°2840	7°2300	
4986				4	5°5882	11°4831		5035	10	9°4241	19°5170	13	20°9641	7°5410	
4987	8*	17°3793	23°9202	5	6°0434	11°7990		5036	7	9°5389	19°2706	9	21°0859	7°2991	
4988	22§	18°7804	23°2484	11	7°4122	11°0696		5037	21§	12°3468	19°1119	26§	23°8987	7°2505	
4989	10	21°0849	23°5753	6	9°7302	11°3050		5038	12	2°5405	20°9429	12	14°0231	8°6902	
4990	14†	23°0534	24°3022	9	11°7236	11°9527		5039	11	3°2783	21°1160	10	14°7548	8°8903	
4991	15	14°1739	24°4425	9	2°8545	12°4426		5040	9	10°1492	20°2206	13	21°6564	8°2712	
4992	17	15°2267	24°4330	9	3°9059	12°3921		5041	5	12°6412	20°7733				
4993	13	18°5673	24°8241	7	7°2630	12°6526		5042	54§	2°7379	22°0270	46§	14°1818	9°7805	67 912 8.3
4994	25	21°2569	24°7146	13	9°9436	12°4401		5043	7	6°7609	21°2916	9	18°2287	9°2068	
4995				3†	5°2457	13°6172		5044	40§	6°8832	21°4388	42§	18°3438	9°3591	67 916 8.6
4996	3*	18°2018	25°4620	4†	6°9178	13°3035		5045	9	10°1241	21°8851	9	21°5657	9°9357	
4997				4†	10°3329	13°6658		5046	5	10°6144	20°9340	7	22°0948	9°0015	
								5047	9	11°9025	21°6913	9	23°3520	9°8106	
								5048				9	15°8054	10°0007	
								5049	11	5°5583	22°3500	12	16°9843	10°2192	
	51§	26°9644	15°5471	42§	6°8221	1°7424	67 904 8.9	5050	7	6°7031	22°5821	9	18°1214	10°4945	
	71§	25°5956	22°2290				67 913 9.1	5051	15	13°3739	22°4862	15	24°7910	10°6613	
							67 912 8.3	5052	41§	6°1124	23°8465	40§	17°4775	11°7305	67 915 8.2
								5053	11	7°4500	23°8010	10	18°8190	11°7403	
								5054	11	3°5571	24°7212	13	14°8888	12°5021	
								5055	10	5°6596	24°4641	10	17°0015	12°3363	
								5056	18	6°5456	24°4935	15	17°8850	12°3989	
								5057	9	7°0719	24°2488	10	18°4229	12°1721	
								5058	17	8°3654	24°3479	20	19°7107	12°3261	
								5059	18	2°9753	25°6088	13	14°2734	13°3707	
								5060				4	18°3721	13°9264	
								5061	11	8°0921	25°4231	9	19°3935	13°3889	
								5062	16	9°9760	25°4919	16	21°2754	13°5314	

ZONE + 67°.

R.A. 15 <sup>h</sup> 40 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre		R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°					Centre		R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				
Plate 2658. 1895, June 5.					Plate 2656. 1895, June 5.					Plate 2658. 1895, June 5.		Plate 1048. 1893, Apr. 24.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.								No.	Mag.	
5063	6	11.2762	25.5559	6	22.5731	13.6476	°	m.	5114	5	22.3788	20.2405	4*	10.9088	8.0532	°	m.		
5064	6	11.9148	25.3242	5†	23.2144	13.4389			5115	19§	15.3884	21.2424	24§	3.9725	9.3541				
5065	4†	12.1478	25.7602	4	23.4344	13.8885			5116	11	15.8081	21.6244	14	4.4087	9.7192				
5066	24	12.7895	25.3533	27	24.0925	13.5027			5117	19	14.8450	22.8451	24	3.5006	10.9783				
5067	4†	13.0644	25.1828	5†	24.3731	13.3461			5118	6	18.3251	22.4734	5	6.9567	10.4574				
	50§	2.0062	18.9184				67	911	8.8	5119	24§	19.1337	22.9221	28§	7.7814	10.8731			
										5120	16§	19.7767	22.6578	23	8.4142	10.5823			
										5121	20§	20.3254	22.5306	26§	8.9611	10.4340			
										5122	7	20.9540	22.3050	9	9.5761	10.1816			
										5123	6	17.0729	23.6312	7	5.7561	11.6685			
										5124	31§	20.9927	23.2776	41§	9.6570	11.1507	67	921	
										5125	4†	21.4157	23.2922	4	10.0817	11.1493		9.0	
										5126	3†	21.6329	23.4598	8†	10.3050	11.3064			
										5127	5	17.0080	24.8059	8	5.7435	12.8465			
										5128	31§	17.0297	24.0547	35§	5.7305	12.0939	67	919	
										5129	4	18.1983	24.1324	4	6.9022	12.1228		9.5	
										5130	12	18.3153	24.6643	9	7.0407	12.6509			
										5131				8	11.1594	12.2936			
										5132	15	22.4525	24.4913	6	11.1726	12.3045			
										5133	10	23.3565	25.2079	23	12.1023	12.9801			
										5134	8	24.6922	24.4003	23	13.4015	12.1128			
										5135	91§	25.1980	25.0838	93§	13.9330	12.7734	68	858	
										5136	39§	16.5355	25.5434	40§	5.3015	13.6023		7.7	
										5137	25§	16.5754	25.2787	26§	5.3292	13.3356	68	855	
										5138	4†	20.2357	25.6715	9	9.0030	13.5780		9.5	
										5139	7†	22.7691	25.6399	9	11.5310	13.4334			
										5140				6	13.7850	13.3929			
										24	26.9669	15.2222				67	922	9.5	
R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup>																			
Centre		R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					Centre		R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				
Plate 419. 1892, June 10.					Plate 1048. 1893, Apr. 24.					Plate 419. 1892, June 10.		Plate 1048. 1893, Apr. 24.							
5141	27§	3.4175	15.2984	26§	15.2840	2.8515	67°	922	9.5	5142	21	5.4795	14.5964	29	17.3739	2.2371			
5143	39§	7.7764	14.8522	50§	19.6616	2.5309	67	925	9.3	5144	23	10.1461	14.3995	34	22.0458	2.2211			
5145	32§	8.3231	15.6662	39§	20.1743	3.4198	67	927	9.3	5146				6	14.6715	4.2994			
5147				10	18.5267	4.5057				5148	6*	9.1345	16.7755	13	20.9366	4.5605			
5149	13	9.2563	16.6486	21	21.0650	4.4356				5150	5†	11.6912	16.4239	9	23.5052	4.3104			
5151				9	15.8541	5.6953				5152	48§	8.0096	17.2869	50§	19.7940	5.0210	67	926	
5153	4*	10.9260	17.8570	6	22.7017	5.6698				5154	12	10.9726	17.9147	18	22.7251	5.7708		9.0	
5155	15	11.5910	17.2606	21	23.3734	5.1399				5156	27	4.1847	19.0685	27§	15.9011	6.6498	67	923	
5157	7	8.6394	18.6821	17	20.3650	6.4409				5158				4	17.9053	7.7106		9.3	
5159	18	13.0578	19.8434	29	24.7341	7.7811				5160				6	14.5406	8.9056			
5161	28	3.5085	21.2649	26§	15.1354	8.8175				5162	18	3.7348	20.8005	20	15.3821	8.3613			
5163	6*	7.0121	20.8012	10	18.6534	8.4948				5164	18	9.6145	20.3465	29§	21.2734	8.1487			

Nos. 5131, 5132. The components of this double star are not separated on Plate 2658.

1 réseau interval represents very nearly  $5' = 518.2$  of R.A. at Dec.  $+ 67^\circ$ , and  $538.4$  at Dec.  $+ 68^\circ$ .



## ZONE + 67°.

R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 419. 1892, June 10.				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 1048. 1893, Apr. 24.				Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 419. 1892, June 10.				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2653. 1895, June 2.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	
B. D.								B. D.							
No.				Mag.				No.				Mag.			
5165	17	10°5945	20°9355	38§	22°2272	8°7767		5214				4	6°1425	6°6560	
5166	3*	2°6467	21°9811	5	14°2246	9°4560		5215				4	7°1873	6°3378	
5167	29	3°7745	21°5308	32§	15°3934	9°0901		5216				5	7°6366	6°3187	
5168	19	4°1241	21°7308	22§	15°7329	9°3088		5217				4	10°0164	6°6652	
5169	12	6°4646	21°6208	16	18°0743	9°2916		5218				5	10°1661	6°1192	
5170				10	18°9843	9°4275		5219	28§	21°6670	18°4426	26§	10°2942	6°1436	67 936 9°4
5171	12	12°7599	21°7512	13	24°3606	9°6792		5220				10	12°6489	6°9825	
5172	44§	12°8542	21°6514	55§	24°4609	9°5820	67 928 8°7	5221	26	16°6431	19°9973	24	5°3348	7°8955	67 931 9°4
5173	20	3°5323	23°0337	28§	15°0875	10°5842		5222	6	16°6769	20°0376	10	5°3728	7°9330	
5174	7*	5°0116	23°0708	10	16°5646	10°6856		5223				4	6°8575	7°7174	
5175	14	7°5700	22°3885	24§	19°1453	10°1037		5224				5	8°5866	7°9831	
5176	29§	13°0805	23°0072	31§	24°6260	10°9455	67 929 9°5	5225	36§	21°3440	20°0028	34§	10°0260	7°7180	67 935 8°6
5177	11	2°8498	23°6992	19	14°3779	11°2226		5226	8	21°3867	20°2103	11	10°0796	7°9228	
5178	7†	8°7030	23°7518	12	20°2232	11°5105		5227	5*	22°4124	19°4537	4	11°0756	7°1314	
5179	7†	9°0643	23°5157	9	20°5953	11°2906		5228	9	22°9039	19°4334	15	11°5662	7°0854	
5180	22	9°6562	23°3482	29	21°1932	11°1494		5229	44§	23°2554	20°3076	35§	11°9559	7°9480	67 937 9°0
5181	15	13°7407	23°7135	21	25°2601	11°6789		5230	6	15°1050	20°9251	13	3°8347	8°8830	
5182	14	5°5690	24°5230	22	17°0623	12°1524		5231				6†	4°6504	8°9097	
5183	22	5°8585	25°1160	24	17°3259	12°7593		5232	26	17°2254	20°7795	23	5°9466	8°6522	
5184				4	19°3334	12°2122		5233	40§	18°5352	20°1830	38§	7°2342	8°0035	67 933 8°7
5185				5†	21°7513	12°3556		5234	6†	19°0825	20°6791	8	7°8004	8°4821	
5186				9	15°3832	13°2096		5235				4	10°6689	8°2346	
5187				9	16°8141	13°0227		5236				6	10°9849	8°4466	
5188	12†	6°1791	26°1564	12	17°6038	13°8136		5237				4	13°2479	8°6443	
5189	5*	6°4083	25°7534	9	17°8503	13°4194		5238				2	13°7495	8°2962	
5190	7†	8°5850	25°5541	9	20°0346	13°3104		5239	4*	15°0277	21°7997	6	3°7901	9°7639	
5191	13	10°4321	25°2243	18	21°8945	13°0505		5240	11	16°4940	21°7460	20	5°2565	9°6481	
5192	25	13°1600	25°5501	35§	24°6061	13°4895		5241				5	8°1864	9°6755	
								5242	21	19°8505	22°1365	20§	8°6245	9°9085	
	100§	2°4687	25°2698				68 858 7°7	5243				4	10°4680	9°0355	
	45§	7°1683	26°9900				68 862 9°0	5244				6	11°2891	9°1113	
	122§	9°3898	27°0925				68 864 6°0	5245				9	13°9013	9°1329	
								5246				9	3°7826	10°6192	
								5247	19	15°0119	22°5210	14	3°8052	10°4813	
								5248	18	15°4804	22°3104	18	4°2641	10°2559	
								5249	7†	17°3649	22°3431	11†	6°1451	10°2093	
								5250	26	19°2362	22°2063	23§	8°0148	10°0001	
								5251	27§	19°5787	22°3017	25§	8°3583	10°0821	
								5252				5	9°0319	10°2512	
								5253	9*	22°4858	22°7690	7	11°2844	10°4342	
								5254	19	22°9341	22°9325	17§	11°7343	10°5833	
								5255	4*	23°8746	23°1222	12	12°6854	10°7365	
								5256	18	24°0042	22°9903	21§	12°8117	10°5992	
								5257	6	14°1997	23°1335	7	3°0151	11°1262	
								5258	4*	14°8989	23°5007	8	3°7322	11°4652	
								5259	4†	16°1676	23°6706	5	5°0014	11°5868	
								5260	5	17°0131	23°7254	7	5°8514	11°6057	
								5261				5	7°1791	11°0113	
								5262				4	9°8642	11°5960	
								5263				9	12°7629	11°7788	
								5264				6	13°2734	11°1438	
								5265	32§	17°1060	24°7579	23§	5°9848	12°6332	
								5266				4	6°1278	12°2992	
								5267				5	7°2296	12°9363	
								5268	34§	18°4310	24°2249	29§	7°2911	12°0497	67 932 9°5
								5269				3	9°3998	12°3610	
								5270				4	10°2286	12°5517	
								5271				9	11°6437	12°6730	
								5272	8*	24°6571	25°2529	18§	13°5511	12°8337	

## ZONE + 67°.

R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup> —contd.																
Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°																
Plate 419. 1892, June 10.			Plate 2653. 1895, June 2.			Plate 2652. 1895, June 2.			Plate 2653. 1895, June 2.																
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
								Mag.									Mag.								
5273				5	5°9859	13°1887	°	m.	5324	12	9°0810	20°7312	20	20°5244	8°7203	°	m.								
5274				5	8°0636	13°7381			5325	5	9°5102	20°9042	5	20°9454	8°9097										
5275				4	8°2298	13°1481			5326	6†	10°2359	20°4185	9	21°6879	8°4557										
5276				6	13°9575	13°6692			5327	4	10°8747	20°8509	4†	22°3049	8°9111										
									5328	6	11°9426	20°2106	6*	23°4003	8°3187										
				45§	1°6139	9°6995	67 928	8·7	5329				4	15°4251	9°0008										
									5330	18	4°3317	22°0308	18	15°7229	9°8221										
									5331	18	4°3894	21°2533	19	15°8125	9°0484										
									5332	4*	7°0392	21°5595	5	18°4480	9°4656										
									5333	5	12°2072	21°2089	5†	23°6225	9°3257										
									5334	8	13°8166	21°3915	8†	25°2252	9°5718										
									5335	7	13°8844	20°8671	5*	25°3148	9°0499										
									5336	6	10°4626	22°4756	6	21°8325	10°5181										
									5337	26§	11°0932	22°7224	32§	22°4563	10°7909										
									5338	6	11°5497	22°7538	5	22°9049	10°8400										
									5339	9	13°5105	22°2990	8†	24°8836	10°4648										
									5340	4	13°5776	22°4384													
									5341	8	13°7676	22°5583	8	25°1303	10°7359										
									5342	8	3°1576	24°0229	11	14°4712	11°7615										
									5343	9†	3°4103	24°0271	13	14°7217	11°7797										
									5344	9*	6°5937	23°7345	7	17°9141	11°6199										
									5345	3*	6°6641	23°9885	4	17°9744	11°8789										
									5346	7	11°7315	23°5666	6	23°0543	11°6623										
									5347	17	12°1932	23°3862	20	23°5245	11°5009										
									5348	33§	3°2137	25°0120	31§	14°4844	12°7556	68 869	9·1								
									5349	35§	3°2237	24°9811	37§	14°4943	12°7274										
									5350	17	4°3011	24°3474	14	15°5954	12°1396										
									5351	5*	5°5445	25°0250	7	16°8112	12°8663										
									5352				2	16°8496	12°9034										
									5353				4	18°9396	12°6214										
									5354	8†	8°6794	24°8242	10	19°9548	12°7919										
									5355	5*	8°8474	24°8366	9	20°1192	12°8142										
									5356	8†	9°4849	24°6594	12	20°7642	12°6619										
									5357				4†	21°2024	12°4369										
									5358	18	5°0267	25°2030	18	16°2855	13°0232										
									5359	11†	5°9274	25°4650	12	17°1742	13°3225										
									5360				9	17°3766	13°2301										
									5361	18	6°7026	25°8440	18§	17°9356	13°7323										
									5362	2*	7°7311	25°4265	6	18°9829	13°3554										
									5363	22	8°8325	25°0905	24	20°0953	13°0653										
									5364	15	10°7112	25°9413	19	21°9390	13°9909										
									5365	35§	13°1074	25°7475	27§	24°3419	13°8986										
													48§	18°2151	1°4130	67 940	8·8								
													30	26°9871	1°3861	67 946	9·4								
													53§	25°7934	8°9655	67 945	8·4								
													37§	26°5832	11°5723	67 947	9·4								
R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup>									R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup>																
Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°																
Plate 2652. 1895, June 2.			Plate 2057. 1894, May 21.			Plate 2652. 1895, June 2.			Plate 2057. 1894, May 21.																
5366	31§	19°2031	14°5636	33	7°4620	2°4866	°	m.	5366	31§	19°2031	14°5636	33	7°4620	2°4866	°	m.								
5367	7	20°9087	14°2850	7*	9°1570	2°1375			5367	7	20°9087	14°2850	7*	9°1570	2°1375										
5368	37§	21°4484	14°6374	40§	9°7105	2°4637	67 957	9·5	5368	37§	21°4484	14°6374	40§	9°7105	2°4637	67 957	9·5								
5369	28§	23°8584	14°1686	39§	12°0971	1°8932	67 960	9·5	5369	28§	23°8584	14°1686	39§	12°0971	1°8932	67 960	9·5								
5370	28§	15°6850	15°0693	31	3°9700	3°1410			5370	28§	15°6850	15°0693	31	3°9700	3°1410										
5371	6	15°7136	15°8567	6*	4°0329	3°9267			5371	6	15°7136	15°8567	6*	4°0329	3°9267										

1 réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



## ZONE + 67°.

R. A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup> —contd.								R. A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R. A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R. A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R. A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R. A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				
Plate 2652. 1895, June 2.				Plate 2057. 1894, May 21.				Plate 2652. 1895, June 2.				Plate 2057. 1894, May 21.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.					No.	Diam.	x.	y.					
5372	6	19°3052	15°5540					5428	6†	22°1342	25°2767	11	10°8414	13°0680		
5373	18	21°3896	15°2334	10	9°6774	3°0627		5429	26	22°1443	25°2671	25	10°8512	13°0539		
5374	8	14°7243	16°5181													
5375	6	17°5687	16°2384	4*	5°8981	4°2293						43§	3°4452	1°2304	67 946	
5376	4	14°4440	17°4615									58§	6°0465	1°2666	67 952	
5377	3	14°6005	17°7625						64§	26°6358	16°0246				67 962	
5378	9	15°8234	17°5057												7°9	
5379	3	16°5662	17°6827													
5380	12	19°4835	17°7977	17	7°8795	5°7092										
5381	10	19°6537	17°7723	9†	8°0501	5°6716										
5382	7	20°7326	17°5437	5*	9°1181	5°4002										
5383	13	22°0206	17°4005	14	10°3983	5°2014										
5384	5	22°3049	17°4904	4*	10°6823	5°2800										
5385	42§	22°8351	17°6205	43§	11°2202	5°3904	67 958	8°5	5430	38§	5°3053	14°2871	48	17°0245	2°0402	67° 964
5386	5	15°6968	18°5468						5431	17	5°6658	14°1793	13†	17°3896	1°9487	9°5
5387	6	18°8416	18°0317	5*	7°2478	5°9666			5432	14	6°8236	14°1607	8*	18°5482	1°9705	
5388	36§	23°2308	18°3820	38§	11°6446	6°1321	67 959	9°5	5433	47§	8°3299	14°8393	59§	20°0232	2°7099	67 968
5389	26	24°1214	18°2092	27	12°5297	5°9208			5434	19	8°8254	14°7388	11†	20°5280	2°6261	7°8
5390	20§	14°1559	19°6495	16	2°6369	7°7810			5435	50§	3°2969	15°9580	51§	14°9513	3°6313	67 962
5391	28§	15°5514	19°6979	36§	4°0323	7°7689	67 948	9°4	5436	5	6°1011	15°6846	3*	17°7677	3°4688	7°9
5392	7	16°0949	19°2952	6*	4°5574	7°3446			5437	43§	10°7696	15°4300	62§	22°4408	3°3922	67 970
5393	30§	20°4345	19°6718	35§	8°9090	7°5398	67 956	9°2	5438	14	11°5322	15°8470	7*	23°1909	3°8395	8°5
5394	12	24°1575	19°7493	18	12°6285	7°4601			5439	12	12°2810	15°2512				
5395	51§	14°3559	20°7629	64§	2°8832	8°8836	67 945	8°4	5440	19	13°8295	15°1317				
5396	7	15°2936	20°9278	4†	3°8275	9°0125			5441	28§	11°5392	16°5992	34	23°1681	4°5892	
5397	6	16°2973	20°4858	5†	4°8108	8°5286			5442	15	12°3280	16°8495				
5398	26§	17°2799	20°7283	33	5°8014	8°7269			5443	21	2°7907	17°1398	22	14°3982	4°7981	
5399	4	17°6373	20°6322	3*	6°1567	8°6158			5444	27	6°2162	17°0671	20	17°8277	4°8532	
5400	5	17°8581	20°4241	4†	6°3630	8°3975			5445	10	8°1830	17°6930	13*	19°7693	5°5556	
5401	8	18°3796	20°5248	6†	6°8924	8°4772			5446	16	9°0501	17°3964	11*	20°6502	5°2920	
5402	6	19°0566	20°0849	4	7°5505	8°0067			5447	37§	3°5825	18°4499	40§	15°1457	6°1340	
5403	4	21°2800	20°5528	3*	9°7879	8°3823			5448	6*	4°7228	18°7557	6	16°2699	6°4862	
5404	10	23°3249	20°2685	16†	11°8196	8°0138			5449	16	6°2120	18°3865	17	17°7702	6°1698	
5405	10*	24°8246	20°5305	14	13°3298	8°2106			5450	10†	12°0013	18°0181				
5406	7	14°3518	21°8302	3*	2°9234	9°9545			5451	9	12°2934	18°3074				
5407	5	15°2291	21°2379						5452	18	3°5367	19°9766	22§	15°0360	7°6598	
5408	39§	19°6115	21°1034	42§	8°1494	9°0067	67 955	8°3	5453	43§	5°4166	19°6455	43§	16°9285	7°3987	67 965
5409	11	20°9031	21°0671	11	9°4356	8°9133			5454	21	5°8624	19°3458	24	17°3849	7°1183	9°3
5410	11	21°7692	21°3621	12†	10°3129	9°1712			5455	60§	10°5620	19°3098	70§	22°0857	7°2614	67 969
5411	30	24°6839	21°6316	26	13°2368	9°3176			5456	41§	13°9524	19°0191	67§	25°4865	7°0999	67 972
5412	8*	24°6939	21°4455	12	13°2400	9°1314			5457	5*	2°8998	20°3143	6†	14°3856	7°9714	8°8
5413	21§	17°0128	22°5893	22	5°6145	10°5996			5458	5*	3°7308	20°4670	9	15°2137	8°1590	
5414	20§	19°5689	22°3871	22	8°1584	10°2873			5459	17	5°9424	20°3000	19	17°4282	8°0722	
5415	13	14°5672	23°0382	12†	3°1916	11°1502			5460	13	9°1615	20°7491	11*	20°6299	8°6494	
5416	33§	15°2529	23°3332	35§	3°8897	11°4154	67 947	9°4	5461	16	9°1621	20°2251	15†	20°6507	8°1250	
5417	46§	16°2845	23°6667	51§	4°9320	11°7072	67 949	8°3	5462	12	10°0535	20°8756	13	21°5185	8°8073	
5418	36§	17°2937	23°2590	40§	5°9222	11°2573	67 951	8°9	5463	24	10°6332	20°8729	25	22°0978	8°8265	
5419	44§	18°1029	23°9787	38§	6°7605	11°9394	67 953	9°1	5464	11	11°0026	20°3612	7*	22°4838	8°3309	
5420	35§	19°1773	23°9305	29§	7°8311	11°8489	67 954	9°5	5465	27	4°2957	21°9722	27§	15°7184	9°6831	
5421	17	25°0455	24°0656	20	13°7012	11°7343			5466	9*	4°7273	21°9651	13	16°1527	9°6923	
5422				14	13°7291	11°6891			5467	8†	5°6230	21°1154	11	17°0804	8°8773	
5423	71§	25°1925	24°1000	51§	13°8502	11°7606	67 961	8°8	5468	14	5°8857	21°8317	15	17°3144	9°6026	
5424	8†	21°3245	24°1890	13†	9°9874	12°0155			5469	36§	6°9241	21°5909	34§	18°3616	9°4058	67 966
5425	40§	15°7984	25°0584	35§	4°5050	13°1119	68 877	9°5	5470	11	10°5648	21°1621	7†	22°0155	9°1154	9°5
5426	19	17°9078	25°7022	18	6°6386	13°6724			5471	5†	9°0574	22°7946	5†	20°4485	10°6865	
5427	5*	18°0411	25°3508	10	6°7599	13°3176			5472	13†	2°7004	23°8793	19	14°0503	11°5281	
									5473	28	10°2324	23°7785	33	21°5830	11°7164	
									5474	53§	13°4220	23°1689	68§	24°7964	11°2292	67 971
									5475	7*	7°2823	24°7651	11	18°6005	12°5889	7°8
									5476	36	9°5420	24°2160	29	20°8758	12°1271	

Plate 2057. The place of R Draconis (*see* note, Zone + 66°, No. 5249) would be approximately 5°0, 1°6 on this plate. The star is not seen there.

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 16 <sup>h</sup> 40 <sup>m</sup> to 16 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 50 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2056. 1894, May 21.				R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2057. 1894, May 21.				Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2056. 1894, May 21.				R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.													



## ZONE + 67°.

R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2662. 1895, June 5.				Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.				Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2662. 1895, June 5.				Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
5571	5	3°2491	19°2397	6	14°7701	7°1055	° m.	5617	6*	21°4976	17°9354	9	9°9420	5°8311	° m.
5572	4	4°7005	19°7976	4†	16°2006	7°7159		5618	17	24°8617	17°9778	21	13°3020	5°7319	
5573	29§	5°9048	19°6160	41§	17°4070	7°5765		5619	11†	20°3633	18°4223	12	8°8244	6°3703	
5574	9	9°9420	19°1678	16	21°4626	7°2759		5620	49§	24°8870	18°7320	50§	13°3604	6°4849	67 1004 8°0
5575	4	10°7370	19°4714	4†	22°2425	7°6080		5621	20	14°5263	19°7177	22	3°0523	7°9131	
5576	4	13°6532	19°9360					5622	4*	18°0856	19°2190	6	6°5854	7°2636	
5577	4	13°6751	19°8358					5623	4†	19°3756	19°8876	(5)	7°9034	7°8751	
5578	4	5°8713	20°1917	5	17°3548	8°1513		5624	48§	20°1464	19°9809	60§	8°6770	7°9362	67 997 7°3
5579	24§	10°3586	20°2138	32§	21°8385	8°3378		5625	14	20°2267	19°8919	17	8°7540	7°8434	
5580	16	3°3524	21°4067	16	14°7938	9°2733		5626	16	20°9124	19°1828	18	9°4081	7°1039	
5581	4	6°1953	21°6304	4†	17°6282	9°6053		5627	5*	21°5494	19°9118	6	10°0754	7°8054	
5582	3†	6°4729	21°2101	3*	17°9191	9°1937		5628	7	21°7264	19°1901	10	10°2214	7°0753	
5583	32§	6°9501	21°8040	38§	18°3738	9°8060	67 985 9°3	5629	5*	23°8048	19°4262	6	12°3059	7°2254	
5584	5	7°0598	21°0508	5	18°5123	9°0536		5630	4	25°3531	19°9665	4	13°8774	7°7006	
5585	25§	7°8508	21°9554	29§	19°2699	9°9862		5631	20	14°8741	20°4397	25§	3°4299	8°6231	
5586	25§	11°3530	21°4307	27	22°7917	9°5897	67 991 9°5	5632	5	15°2863	20°1883	14	3°8322	8°3507	
5587	35§	12°8790	21°7346	51§	24°3036	9°9501	67 992 8°8	5633	2*	18°6006	20°1510	3	7°1411	8°1706	
5588	13	13°6279	21°6804	10	25°0549	9°9245		5634	40§	18°7047	20°6862	42§	7°2644	8°7020	67 996 8°5
5589	8	3°5361	22°2228	10	14°9469	10°0960		5635	4†	23°2735	20°8770	17	11°8383	8°6966	
5590	22§	3°9216	22°4277	29§	15°3244	10°3153		5636	26§	23°8639	20°2303	27§	12°4010	8°0253	67 1003 9°3
5591				10	15°4754	10°2818		5637				9	12°5309	8°6770	
5592	12	5°4649	22°0261	8	16°8819	9°9711		5638	24	14°2741	20°8141	25§	2°8445	9°0211	
5593	5	5°8865	22°4550	4†	17°2879	10°4177		5639	6	15°3660	20°8739	7*	3°9415	9°0310	
5594	20	10°5945	22°7791	24	21°9837	10°9105		5640	8	19°3147	21°1910	16	7°8975	9°1806	
5595	6	11°9696	22°0703	9	23°3818	10°2549		5641				4†	8°2651	9°6802	
5596	32§	4°8722	23°2451	36§	16°2450	11°1650		5642	3†	19°8868	21°6103	4	8°4890	9°5768	
5597	5	8°4399	23°9121	6†	19°7838	11°9629		5643	4	21°3131	21°1689	8	9°8919	9°0715	
5598	29§	11°0410	23°1276	39§	22°4161	11°2762	67 989 9°3	5644	22	22°6256	21°1581	26§	11°2054	9°0031	67 1000 9°5
5599	24	4°2373	24°8586	32§	15°5539	12°7538		5645	5*	22°7646	21°1799	11	11°3473	9°0189	
5600	23	11°1046	24°0521	24	22°4439	12°2025		5646	19	24°6683	22°2332	24	13°2901	9°9918	
5601	4†	13°9385	24°5211					5647	4†	15°3871	22°2721	6	4°0229	10°4303	
5602	17	3°4598	25°0672	27§	14°7698	12°9364		5648	6	16°1464	21°9003	12*	4°7648	10°0282	
5603	8	4°7471	25°6176	11	16°0324	13°5319		5649	49§	17°1831	22°7837	62§	5°8371	10°8644	67 995 8°4
5604	6	4°9266	25°3723	8	16°2212	13°2922		5650	6†	19°8664	22°2522	4	8°4957	10°2152	
5605	47§	5°9253	25°9280	50§	17°2025	13°8818	68 912 8°9	5651	3†	19°9559	22°1121	5	8°5791	10°0728	
				63§	20°7721	1°5821	67 987 8°6	5652	25§	22°0623	22°9971	29§	10°7206	10°8684	67 998 9°5
				89§	26°0729	1°4586	67 993 8°7	5653	5*	23°4554	22°4907	13	12°0889	10°3016	
							67 981 9°4	5654				9	13°5627	10°5488	
							67 982 8°7	5655	18	14°0248	23°6080	20	2°7173	11°8229	
								5656	8	14°8163	23°6183	9	3°5091	11°7984	
								5657	5	17°4840	23°4778	4	6°1663	11°5451	
								5658	16	17°8698	23°7478	16	6°5656	11°7964	
								5659	14	19°7424	23°7394	18	8°4371	11°7114	
								5660	8	20°6777	24°0063	16	9°3810	11°9341	
								5661	18	15°8729	24°1568	20	4°5870	12°2897	
								5662	40§	17°0073	24°0553	40§	5°7152	12°1421	67 994 9°2
								5663	14	19°1852	24°6775	23	7°9211	12°6667	
								5664				4	13°9362	12°7271	
								5665	20	14°8294	25°5750	24	3°6108	13°7512	
								5666	4†	15°9563	25°0851	9	4°7120	13°2119	
								5667	9†	22°5205	26°1135	18	11°3148	13°9579	
								5668				12	11°4684	13°6960	
								5669	12*	23°0994	26°0459	22	11°8888	13°8604	
								5670	6*	23°4847	25°9812	15	12°2708	13°7890	
								5671	27	23°7307	25°2921	24§	12°4869	13°0871	
												46§	1°4918	10°0007	67 992 8°8
												65§	2°5775	1°3985	67 993 8°7

Plate 2682, No. 5623. The 6<sup>min.</sup> image coincides with a fault on the plate and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

No. 5636, B. D. 67° 1003. The declination as given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.

## ZONE + 67°.

R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup>								R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2686. 1895, June 16.				Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.				Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2686. 1895, June 16.				Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
5672	21	2°9371	14°0779	15	14°6640	1°8510	°	m.	5731	26§	7°6146	21°6858	32§	19°0346	9°6407	67° 1011	9°2
5673	7	10°0466	14°8688						5732	4†	9°7734	21°2787	4*	21°2097	9°3188		
5674	6	10°0658	14°3408						5733	14	3°4449	22°8581	14	14°8207	10°6470		
5675	7†	13°1878	14°7892						5734	13	4°7233	22°4098	16	16°1151	10°2490		
5676	32§	2°9516	15°9994	36§	14°6011	3°7735	67 1006	9°5	5735	9†	4°7425	22°2588	13	16°1423	10°0984		
5677	18	5°4914	15°8710	20	17°1425	3°7422			5736	11	8°4996	22°8839	14	19°8703	10°8749		
5678	12	6°6862	15°1021	6	18°3699	3°0239			5737	9	11°8059	22°1566	8	23°2032	10°2727		
5679	23§	6°7451	15°7822	33§	18°4015	3°7064	67 1009	9°5	5738	4†	11°8549	22°3302	4†	23°2441	10°4492		
5680	18	7°4534	15°0121	(8)	19°1362	2°9636			5739	21	3°1921	23°7846	24	14°5289	11°5625		
5681	4	8°3881	15°2107						5740	26	4°4952	23°2896	27§	15°8542	11°1173		
5682	6	8°6120	15°1718	4†	20°2864	3°1713			5741	14	6°3533	23°6189	14	17°6935	11°5229		
5683	8	8°7223	15°1877	7	20°4011	3°1925			5742	5*	6°6234	23°4583	4	17°9731	11°3737		
5684	16	8°9371	15°4316	15	20°6055	3°4435			5743	12	9°1378	23°6143	16	20°4785	11°6264		
5685	9	10°5298	15°9904	8†	22°1731	4°0629			5744	30§	10°4953	23°3508	27	21°8471	11°4184	67 1016	9°5
5686	18	12°8254	15°0969	20	24°5039	3°2628			5745	3*	10°7776	23°3635	4†	22°1272	11°4411		
5687	12	13°4618	15°9331	8*	25°1047	4°1237			5746				10	14°9547	12°5418		
5688	16	3°0348	16°1930	15	14°6760	3°9702			5747				6	15°9868	12°1549		
5689	4	6°5960	16°5836						5748	8†	4°8254	24°2745	13	16°1425	12°1158		
5690	9	6°6615	16°0194	8	18°3089	3°9370			5749	38§	8°1830	24°7459	38§	19°4798	12°7173	67 1013	9°1
5691	7	8°9532	16°9399	6†	20°5601	4°9507			5750	20	9°3535	24°1837	23	20°6682	12°2063		
5692	15	12°6532	16°9497	18	24°2558	5°1055			5751	5	9°6770	24°3691	7	20°9901	12°4022		
5693	24	2°6780	17°9144	21	14°2502	5°6730			5752	70§	10°1034	24°1277	78§	21°4228	12°1778	67 1015	7°8
5694	12	2°8979	17°1730	14	14°4996	4°9395			5753	8	11°5375	24°4105	13	22°8472	12°5204		
5695	7	3°1884	17°7447	6	14°7702	5°5250			5754				4	14°5852	13°9225		
5696	12	4°2500	17°6746	12	15°8327	5°4951			5755				5	14°7397	13°7864		
5697	9	9°4446	17°0441	8	21°0494	5°0728			5756	39§	4°2761	25°4481	31§	15°5504	13°2667	67 1007	9°3
5698	13	9°5596	17°9867	6	21°1225	6°0204			5757	37§	5°1952	25°2580	28§	16°4740	13°1098	67 1008	9°5
5699	12†	9°6707	17°0336	11	21°2716	5°0700			5758	8*	5°7657	25°8585	12	17°0157	13°7360		
5700	5	13°2260	17°6073						5759	7†	7°5929	25°5400	13	18°8586	13°4911		
5701	14	3°7201	18°5514	17	15°2658	6°3523			5760	6*	7°6286	25°3303	7	18°9040	13°2844		
5702	17	3°7655	18°7059	17	15°3067	6°5107			5761	7	9°4185	25°6796	12	20°6763	13°7038		
5703	9	6°3446	18°6189	9	17°8873	6°5250	67 1014	6°5									
5704	80§	8°5841	18°6757	84§	20°1234	6°6729			49§	1°8205	18°7576		90§	25°9463	2°2920	67 1017	8°1
5705	13	10°4217	18°2492	17	21°9747	6°3180										67 1004	8°0
5706	18	11°0653	18°5091	18	22°6093	6°6048											
5707	13	12°5966	18°1437	8†	24°1534	6°2969											
5708	20	13°7626	18°9087	25	25°2884	7°1103											
5709	5*	3°1487	19°1499	5	14°6692	6°9283											
5710	26	6°2548	19°2756	28	17°7689	7°1766											
5711	17	8°5725	19°7366	18	20°0659	7°7300											
5712	4*	8°6076	19°7368	4	20°0988	7°7323											
5713	11	8°6429	19°0369	14*	20°1655	7°0345											
5714	4†	9°0470	19°5712	3*	20°5498	7°5832											
5715	5	9°4894	19°7253	6	20°9859	7°7552											
5716	2*	9°8222	19°7626	3†	21°3170	7°8044											
5717	23	2°8357	20°0957	19	14°3194	7°8609											
5718	31	2°9743	20°5912	26§	14°4395	8°3604											
5719	16	5°5366	20°5269	10	17°0029	8°4002											
5720	20	5°6226	20°6850	23	17°0837	8°5599											
5721	4*	7°8501	20°6995	5†	19°3081	8°6620											
5722	26§	7°8726	20°5996	27§	19°3361	8°5645	67 1012	9°5									
5723	16	8°5863	20°5467	17	20°0535	8°5415											
5724	6	10°2548	20°1583	6†	21°7330	8°2153											
5725	9	10°5510	20°1327	7†	22°0290	8°2059											
5726	9	11°2324	20°6117	6	22°6922	8°7101											
5727	19	11°9278	20°1411	20	23°4074	8°2668											
5728	19	11°9665	20°2350	21	23°4423	8°3617											
5729	42§	6°9568	21°5556	42§	18°3824	9°4838	67 1010	8°8									
5730	9	7°0311	21°1253	13	18°4720	9°0553											

Plate 2682, No. 5680. The 6<sup>min</sup>. image of this star is on a *résseau* line. The diameter given is that of the 3<sup>min</sup>. image.

1 *résseau* interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



## ZONE + 67°.

R.A. 17 <sup>h</sup> 30 <sup>m</sup> to 17 <sup>h</sup> 40 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 30 <sup>m</sup> to 17 <sup>h</sup> 40 <sup>m</sup> —contd.										
Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2686. 1895, June 16.							Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2683. 1895, June 16.										
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
B. D.							B. D.										
No.							No.										
Mag.							Mag.										
5781	20 <sup>s</sup>	19°22'5	17°25'9	24 <sup>s</sup>	7°66'32	5°23'08	67°10'24	m.	5840	6	16°32'70	24°24'60	6	5°03'09	12°32'00	°	m.
5782	4	19°49'11	17°15'51	6	7°92'07	5°11'93			5841				6	12°95'40	12°22'32		
5783	4*	20°11'29	17°23'72	3*	8°54'65	5°17'59			5842	4	17°18'21	25°73'05	6	5°94'02	13°77'18		
5784	6	21°74'62	17°72'99	6	10°19'73	5°60'92			5843	8	18°66'22	25°50'82	10	7°41'32	13°50'02		
5785	4†	22°84'89	17°11'62	4*	11°27'71	4°95'15			5844	14	21°10'22	25°72'44	12	9°85'51	13°62'09		
5786	8	22°93'49	17°09'38	8	11°36'42	4°92'38			5844a				4	9°86'19	13°63'38		
5787	18	24°08'50	17°31'48	14	12°51'74	5°10'01			5845				6	12°72'29	13°86'98		
5788	6	14°34'24	18°02'52	4*	2°81'37	6°18'18											
5789	28 <sup>s</sup>	17°94'93	18°41'07	36 <sup>s</sup>	6°42'91	6°43'17	67°10'20	9°0					32 <sup>s</sup>	7°90'85	1°76'70	67°10'25	8°7
5790	8	19°17'94	18°83'40	8	7°67'17	6°80'96											
5791	4*	19°59'38	18°13'60	4	8°05'87	6°09'11											
5792	22 <sup>s</sup>	21°98'34	18°95'37	22 <sup>s</sup>	10°48'06	6°82'15											
5793	6	14°86'38	19°58'98	4	3°38'65	7°72'89											
5794	4†	15°28'34	19°50'24	4	3°80'53	7°62'61											
5795	8	16°49'39	19°43'92	8†	5°01'22	7°51'40											
5796	5	18°96'77	19°81'66	6	7°49'83	7°79'66											
5797	12	19°30'15	19°98'92	10.	7°83'68	7°95'87											
5798	8	19°79'56	19°22'23	8	8°30'41	7°16'92											
5799	4†	19°83'96	19°47'39	4	8°35'78	7°41'85											
5800	4†	21°05'43	19°18'76	6*	9°56'03	7°09'05											
5801	22 <sup>s</sup>	23°18'44	19°74'84	24 <sup>s</sup>	11°71'15	7°56'86	67°10'28	9°3	5846	4†	2°64'88	14°65'00	4*	14°43'04	2°36'32	°	m.
5802	7	23°40'49	19°69'89	8	11°93'16	7°50'94			5847	22 <sup>s</sup>	4°33'01	14°43'32	31	16°11'68	2°21'95		
5803	4*	24°53'79	19°61'45	6	13°05'80	7°38'42			5848	11	6°77'67	14°86'80	5*	18°54'45	2°75'86		
5804	4†	24°60'53	19°55'72	6	13°12'14	7°32'75			5849	9	9°72'23	14°96'17	11	21°48'16	2°98'05		
5805	10	16°11'21	20°30'59	8	4°66'54	8°39'18			5850	11	11°14'19	14°11'22					
5806	18 <sup>s</sup>	19°82'07	20°02'97	16	8°36'27	7°97'92			5851	18	3°60'41	15°03'77	18	15°36'36	2°79'07		
5807				3†	9°24'50	8°20'58			5852	11	7°39'33	15°61'93	7	19°12'54	3°53'22		
5808	16	21°02'24	20°47'22	15	9°57'62	8°37'48			5853	28 <sup>s</sup>	9°04'85	15°92'30	36 <sup>s</sup>	20°76'94	3°91'03		
5809	10	23°08'50	20°78'02	8	11°64'68	8°60'74			5854	8†	10°27'54	15°14'04					
5810	22	23°42'48	20°97'19	16	11°99'62	8°78'31			5855	13	13°01'01	15°07'89	8	24°76'34	3°23'73		
5811	21 <sup>s</sup>	14°35'16	21°91'72	25	2°96'90	10°06'86			5856	18	13°66'67	15°32'32	9	25°41'24	3°51'04		
5812				2†	6°84'60	9°34'89			5857	7	2°66'30	16°84'05	10	14°34'80	4°55'20		
5813	4	18°37'52	21°32'04	4	6°96'72	9°32'17			5858	70 <sup>s</sup>	4°12'79	16°50'32	73 <sup>s</sup>	15°82'57	4°27'85	67°10'31	7°0
5814				4†	7°02'92	9°55'17			5859	10	4°71'34	16°12'73	11	16°42'68	3°92'74		
5815	4†	19°87'11	21°36'54	4	8°46'46	9°31'06			5860	11	5°04'07	16°66'20	10	16°73'33	4°47'41		
5816	14	20°65'98	21°11'82	12	9°23'88	9°03'59			5861	11	5°04'40	16°14'16	11	16°75'68	3°95'32		
5817	8	21°19'72	21°57'62	6	9°79'57	9°47'17			5862	11	5°49'68	16°48'92	11	17°19'58	4°32'00		
5818	14	22°83'10	21°81'91	12	11°43'43	9°65'24			5863	17	7°41'03	16°19'79	19	19°12'26	4°11'31		
5819	10	23°72'11	21°12'78	6	12°30'07	8°92'86			5864	17	7°59'22	16°33'37	20	19°29'51	4°25'87		
5820	8	24°32'02	21°02'99	6	12°89'71	8°80'38			5865	21	8°42'61	16°68'64	27	20°11'21	4°64'33		
5821	12	15°26'62	22°13'11	14	3°89'14	10°24'95			5866	8	8°87'49	16°85'00	4†	20°55'36	4°82'69		
5822	4	16°13'26	22°76'08	5	4°77'94	10°84'72			5867	21	3°68'73	17°87'85	23	15°32'84	5°63'23		
5823	8	17°83'81	22°36'45	10	6°46'97	10°38'38			5868	18	5°64'85	17°25'81	19	17°31'31	5°09'36		
5824	10	18°41'49	22°98'00	10	7°06'70	10°97'97			5869	6	10°01'64	17°99'34	6	21°64'12	6°02'30		
5825	26 <sup>s</sup>	19°02'44	22°93'99	26 <sup>s</sup>	7°67'37	10°91'91	67°10'23	9°0	5870	30 <sup>s</sup>	12°37'71	17°50'44	37 <sup>s</sup>	24°02'74	5°63'14	67°10'37	9°2
5826	12	22°01'48	22°59'49	12	10°64'80	10°45'87			5871	11	12°57'26	17°25'99	7†	24°23'07	5°39'30		
5827	4*	22°48'75	22°70'96	6	11°12'86	10°55'63			5872	6	3°98'87	18°24'58	10	15°61'28	6°01'12		
5828	23	23°34'84	22°00'78	20 <sup>s</sup>	11°95'71	9°82'08			5873	24 <sup>s</sup>	4°78'53	18°11'89	27 <sup>s</sup>	16°41'53	5°91'84		
5829				4	12°42'23	10°12'24			5874	37 <sup>s</sup>	7°93'43	18°11'25	38 <sup>s</sup>	19°56'26	6°04'76	67°10'34	9°2
5830				6	13°21'47	10°45'70			5875	5	9°19'67	18°04'52	5†	20°82'35	6°03'45		
5831	4	14°41'53	23°34'31	4†	3°08'32	11°49'65			5876	18	11°88'06	18°24'36	20	23°49'52	6°35'02		
5832	8	15°59'54	23°43'41	8	4°26'55	11°54'04			5877	9	12°25'34	18°26'09	6†	23°86'70	6°38'33		
5833	12	17°18'61	23°57'27	8	5°86'25	11°61'98			5878	12	3°03'15	19°71'18	15	14°59'02	7°43'77		
5834	5	18°07'58	23°83'29	4	6°76'16	11°84'10			5879	4	5°91'84	19°22'11	4	17°49'76	7°06'85		
5835	4†	19°83'07	23°69'61	6	8°51'22	11°64'29			5880	12	7°12'09	19°95'79	17	18°66'51	7°85'86		
5836	28 <sup>s</sup>	20°17'22	23°29'96	30 <sup>s</sup>	8°83'43	11°23'30	67°10'26	8°5	5881	33 <sup>s</sup>	7°51'15	19°06'45	35 <sup>s</sup>	19°09'50	6°98'31		
5837	6	21°20'82	23°85'61	8	9°89'22	11°74'74			5882	42 <sup>s</sup>	8°40'27	19°28'33	45 <sup>s</sup>	19°97'65	7°24'05	67°10'35	8°6
5838	6	22°06'40	23°51'95	6	10°73'40	11°38'18			5883	3	8°96'87	19°41'62	4	20°53'27	7°39'73		
5839	16	15°57'97	24°44'75	18	4°28'93	12°55'20			5884	9	8°98'23	19°38'32	9	20°55'25	7°36'17		
									5885	9	10°78'33	19°72'53	6	22°33'91	7°78'27		
									5886	14	11°25'86	19°73'11	17	22°81'17	7°81'08		
									5887	23 <sup>s</sup>	11°68'96	19°30'77	30 <sup>s</sup>	23°26'12	7°40'60		
									5888	14	13°12'58	19°53'91	20 <sup>s</sup>	24°68'65	7°69'89		
									5889	6†	2°79'05	20°10'41	7	14°33'31	7°81'87		
									5890	42 <sup>s</sup>	5°43'64	20°47'26	42 <sup>s</sup>	16°96'24	8°29'96	67°10'32	9°0

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 17 <sup>h</sup> 40 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.							Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2687. 1895, June 16.						
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
5891	6	10.9131	20.1887	7	22.4481	8.2514	5942	6	17.8227	15.7723	5	6.2065	3.7959
5892	21	3.7322	21.7304	24	15.2067	9.4842	5943	13	19.4627	15.2588	10	7.8250	3.2147
5893	21§	4.2710	21.4580	26§	15.7534	9.2328	5944	4†	19.8747	15.6291			
5894	24§	4.5534	21.6606	38§	16.0276	9.4489	5945	12	21.3963	15.5733	9	9.7680	3.4543
5895	9†	6.3827	21.4550	8	17.8659	9.3230	5946	9	21.6722	15.7329	7	10.0491	3.6011
5896	40§	9.8922	21.9536	44§	21.3511	9.9739	5947	15	21.9453	15.5053	16	10.3162	3.3643
5897	13	10.3458	21.0054	14	21.8434	9.0398	5948	22§	14.9858	16.8053	24§	3.4131	4.9397
5898	4	11.1127	21.4782	4	22.5882	9.5483	5949	5	15.2552	16.9619	7	3.6889	5.0837
5899				6	14.9451	10.2790	5950	7	16.0489	16.9757	6†	4.4810	5.0687
5900				5	15.1191	10.8456	5951	16	16.1952	16.4960	17	4.6124	4.5837
5901	9†	4.3327	23.1423	15	15.7418	10.9185	5952	16	19.1758	16.3755	19	7.5812	4.3435
5902	4†	5.1398	22.6728	5	16.5739	10.4863	5953	16	21.1646	16.7953	16	9.5847	4.6836
5903	19	6.7951	22.3773	21	18.2368	10.2622	5954	18	24.5626	16.6992	15	12.9761	4.4526
5904	8	10.2779	22.4677	12	21.7139	10.5018	5955	16	24.9903	16.7038	22	13.4069	4.4430
5905	4†	11.4257	22.2238	4	22.8688	10.3069	5956	25§	15.1164	17.5575	27§	3.5723	5.6860
5906	3*	12.0092	22.2443	5†	23.4516	10.3554	5957	16	19.1761	17.1169	17	7.6106	5.0836
5907				4	15.3272	11.3413	5958	22	20.0777	17.0751	22	8.5097	5.0051
5908	10*	5.9505	23.5160	13	17.3410	11.3643	5959	4	20.9646	17.7959	4	9.4243	5.6880
5909	41§	7.6823	23.4328	44§	19.0755	11.3541	5960	17§	14.1478	18.7324	20	2.6555	6.9000
5910	13	8.9146	23.4382	16	20.3095	11.4128	5961	4	14.2913	18.7260	3*	2.7964	6.8837
5911	7†	10.1239	23.7231	12	21.5066	11.7464	5962	18§	15.5881	18.5912	20§	4.0840	6.6995
5912	28	3.1251	25.0016	30	14.4585	12.7270	5963	17	20.3213	18.4960	18	8.8095	6.4142
5913				12	15.7696	12.6255	5964	11	21.4300	18.6187	9	9.9213	6.4929
5914				4	18.2309	12.8715	5965	24	22.9463	18.4864	21	11.4331	6.2981
5915				4	19.3910	12.7617	5966	12	14.1526	19.3163	7†	2.6831	7.4816
5916	10	8.4540	24.2687	15	19.8123	12.2234	5967	4†	17.2524	19.5740	3*	5.7868	7.6164
5917				9	20.6531	12.4019	5968	42§	20.2215	19.9180	42§	8.7674	7.8403
5918	9	11.8930	24.7968	15	23.2271	12.8989	5969	12	22.1632	19.9285	6	10.7076	7.7742
5919				4	14.6225	13.4989	5970	27§	23.9953	19.4284	26§	12.5191	7.1994
5920				5	15.8629	13.3034	5971	21	15.3382	20.4797	23	3.9127	8.5961
5921				9	16.0485	13.9173	5972	9	15.6735	20.1275	6	4.2325	8.2342
5922				9	16.5753	13.6456	5973	4	17.4868	20.6331	4*	6.0650	8.6631
5923	7*	7.3514	25.2202	12	18.6695	13.1260	5974	9	18.9093	20.6729	4†	7.4884	8.6445
5924				9	19.4609	13.2690	5975	12	19.7548	20.9053	15	8.3435	8.8473
5925	34§	8.3919	25.8837	36§	19.6830	13.8329	5976	7*	21.1361	20.3509	10	9.6974	8.2358
5926	10*	8.9360	25.2905	13	20.2463	13.2654	5977	21§	21.9783	20.5127	26§	10.5472	8.3649
5927	27§	10.2095	25.5844	28§	21.5118	13.6092	5978	15	24.1636	20.6575	16	12.7368	8.4231
5928	11	12.0447	24.9872	16	23.3702	13.0949	5979	7*	25.0537	20.0496	5	13.6039	7.7808
5929	2*	12.1266	25.1590	4†	23.4434	13.2671	5980	4*	14.0355	21.9573	5†	2.6693	10.1254
5930	13	13.9743	25.1612	16	25.2873	13.3509	5981	4†	15.7982	21.2531	4*	4.4004	9.3518
				45§	25.4792	10.2356	5982	6	17.4241	21.9264	6	6.0543	9.9566
							5983	4	17.6048	21.6888	4†	6.2229	9.7155
							5984	9	17.7049	21.0884	9	6.3013	9.1121
							5985	15	18.5203	21.6768	12	7.1388	9.6653
							5986	14	18.7648	21.3365	12	7.3717	9.3152
							5987	43§	22.1582	21.4075	43§	10.7616	9.2538
							5988	5*	23.5118	21.3409	10	12.1138	9.1322
							5989	36§	14.0264	22.0424	43§	2.6640	10.2094
							5990	4	16.0644	22.2139	3†	4.7082	10.3009
							5991	4	18.6967	22.7953	5	7.3587	10.7775
							5992	11	20.2877	22.2900	9	8.9291	10.2070
							5993	14	20.7440	22.7434	12	9.4058	10.6453
							5994	6*	22.2013	22.7018	9	10.8569	10.5445
							5995	3*	22.5645	22.3619	3*	11.2097	10.1922
							5996	9	15.5386	23.7157	10	4.2391	11.8216
							5997	4	15.8459	23.0563	4*	4.5233	11.1510
							5998	8	16.8389	23.7461	8	5.5401	11.8046
							5999	3*	17.1785	23.7529	3*	5.8782	11.7952
							6000	5	18.3290	23.0389	4*	7.0043	11.0865

No. 5933. This star is not given in the B. D., but is given as No. 2750 in the A. G.  
(Christiania) Catalogue. Mag. 9.5.

1 réseau interval represents very nearly 5' = 51.2' of R.A. at Dec. + 67°, and 53.4' at Dec. + 68°.



## ZONE + 67°.

R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup> —contd.															
Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°									
Plate 2687. 1895, June 16.			Plate 2684. 1895, June 16.			Plate 2688. 1895, June 16.			Plate 2684. 1895, June 16.			Plate 2688. 1895, June 16.			Plate 2684. 1895, June 16.									
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	B. D.	No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	B. D.	No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	B. D.	
							No.	Mag.								No.	Mag.							
6001	43§	19°37'26	23°15'56	43§	8°04'80	11°11'39	67°10'40	8.5	6049	10	4°13'96	18°9'59	14	15°67'20	6°8'556									
6002	21§	19°6'586	23°17'48	17	8°33'55	11°11'83			6050	34§	7°66'98	18°88'91	36§	19°20'32	6°9'177	67°10'47	8.6							
6003				8	11°39'38	11°75'92			6051	19	7°7'116	18°73'96	19	19°24'92	6°76'81									
6004	20	23°8'177	23°42'19	21	12°50'34	11°19'87			6052	12	7°85'85	18°66'80	12	19°39'91	6°70'15									
6005				3†	12°66'84	11°02'95			6053	9	8°83'73	18°40'76	11	20°38'77	6°47'78									
6006	40§	24°45'22	23°74'13	36§	13°14'80	11°49'39	67°10'44	8.8	6054	10	11°36'73	18°42'98	9*	22°9'127	6°59'20									
6007	4	14°12'15	24°62'71	4	2°86'11	12°79'06			6055	61§	11°72'90	18°67'44	49§	23°26'49	6°85'06	67°10'51	7.5							
6008	11	16°14'68	24°30'49	9	4°87'15	12°38'64			6056	14	13°34'59	18°30'87	8	24°89'49	6°54'57									
6009	20	17°52'88	24°24'53	15	6°24'97	12°27'61			6057	4*	4°20'46	19°37'43	4	15°72'13	7°27'31									
6010	4*	18°03'85	24°28'50	4	6°76'19	12°29'24			6058	17	4°72'21	19°78'65	18	16°22'21	7°70'44									
6011	7	18°95'34	24°08'72	13	7°66'73	12°05'54			6059	5†	7°51'24	19°89'95	5*	19°00'27	7°92'22									
6012	4*	19°66'25	24°64'36	3†	8°40'05	12°58'57			6060	5	10°27'84	19°67'20	4	21°78'14	7°79'28									
6013	28§	20°92'47	24°43'18	27§	9°65'11	12°32'25			6061	14	13°32'57	19°18'90	12	24°84'32	7°42'59									
6014	26§	21°05'23	24°93'20	25§	9°79'76	12°81'57			6062	20	3°04'65	20°28'00	20	14°53'19	8°13'81									
6015	10	22°61'68	24°21'11	7†	11°33'34	12°03'44			6063	6	3°05'18	20°28'93	8	14°53'32	8°14'73									
6016				4	13°80'56	12°09'64			6064	21	4°02'49	20°66'26	21	15°49'46	8°55'51									
6017	14	14°91'24	25°05'75	16	3°66'99	13°18'92			6065	11	4°61'89	20°10'68	10	16°10'83	8°02'31									
6018	18	16°74'16	25°10'45	16	5°49'89	13°16'26			6066	5†	4°62'69	20°10'17	5	16°11'86	8°01'59									
6019	4	19°89'96	25°21'47	5	8°65'90	13°14'90			6067	30§	6°75'63	20°20'03	29§	18°24'08	8°19'71									
6020				9	11°03'58	13°63'37			6068	5	8°01'54	20°51'22	6	19°48'78	8°55'15									
									6069	6	11°93'19	20°22'20	4*	23°41'24	8°40'45									
	43§	26°44'31	15°15'11	32§	9°43'92	1°22'32	66°10'60	9.0	6070	7	12°81'92	20°86'49	7	24°27'38	9°07'99									
	47§	22°81'63	26°45'76				67°10'45	9.0	6071	4	12°94'29	20°39'69	4†	24°41'49	8°61'52									
	24	23°31'47	26°68'58				68°9'68	8.3	6072	24	3°05'49	21°28'21	23	14°50'73	9°14'01									
							68°9'69	9.5	6073	14	4°12'09	21°82'40	14	15°55'19	9°71'82									
									6074	20	5°74'00	21°83'81	19	17°16'07	9°79'35									
									6075	18	6°17'52	21°07'00	15	17°63'05	9°04'36									
									6076	12	6°20'73	21°71'87	11	17°63'61	9°68'90									
									6077	5†	6°61'48	21°46'55	4	18°05'39	9°44'87									
									6078	6†	3°01'66	22°37'27	13	14°42'40	10°23'06									
									6079	14	3°46'30	22°22'18	17	14°87'17	10°09'47									
									6080				10†	15°16'08	10°43'98									
									6081	20	7°55'36	22°63'30	20	18°94'77	10°65'42									
									6082	14	10°78'65	22°48'29	14	22°18'01	10°62'29									
									6083	14	11°51'59	22°11'20	16	22°92'35	10°27'67									
									6084	6	7°09'15	23°22'21	11	18°46'22	11°22'63									
									6085				8†	18°59'86	11°74'51									
									6086	21	9°11'47	23°82'16	21	20°46'18	11°89'73									
									6087	17	10°32'07	22°90'09	17	21°70'09	11°02'39									
									6088	14	11°05'27	23°24'55	17	22°42'17	11°39'19									
									6089	4	11°12'45	23°44'69	9	22°48'45	11°59'71									
									6090	14	12°95'66	22°98'41	15	24°33'20	11°20'21									
									6091	24	5°35'44	24°72'47	24	16°67'20	12°66'46									
									6092	31§	10°70'91	23°86'71	32§	22°05'82	12°00'24	67°10'50	9.0							
									6093	4†	11°46'59	24°43'89	11	22°79'05	12°60'32									
									6094	21	12°39'02	24°53'95	22	23°71'14	12°73'62									
									6095	8	7°21'49	25°27'24	17	18°51'17	13°27'68									
									6096	7	8°74'61	25°62'99	13	20°02'69	13°69'22									
									6097	4	9°15'37	25°75'38	11	20°42'96	13°83'30									
									6098	4†	9°42'78	25°02'08	5†	20°72'85	13°10'53									
									6099	13	12°13'00	24°95'51	22	23°43'33	13°14'28									
									6100	71§	13°20'04	25°50'72	72§	24°48'23	13°73'26	67°10'52	7.5							
									6101	10	13°24'61	25°47'33	9	24°52'95	13°69'82									
													80§	20°23'43	1°18'97	66°10'77	6.5							
													71§	26°87'18	4°15'49	67°10'55	8.9							
													45§	25°57'74	7°72'45	67°10'53	8.5							
													60§	25°74'83	11°31'12	67°10'54	8.0							
																67°10'44	8.8							

Z O N E + 67°.

R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup>							R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre		R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre		R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				
Plate 2688. 1895, June 16.		Plate 2685. 1895, June 16.			Plate 2685. 1895, June 16.			Plate 2688. 1895, June 16.		Plate 2685. 1895, June 16.			Plate 2685. 1895, June 16.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.							B. D.										
No. Mag.							No. Mag.										
6102	16	14.1706	14.6708	8	2.4392	2.8584	6161	4	17.2738	20.8133	11	5.7954	8.8635	67 1063	9.5		
6103	17	14.4463	14.0834	7	2.6912	2.2607	6162	4	19.3987	20.0571	5	7.8906	8.0187				
6104	13	14.5556	14.6506	5†	2.8221	2.8210	6163	46§	21.6783	21.1230	45§	10.2109	8.9883				
6105	25	15.2495	14.8339	19	3.5217	2.9724	6164	3†	22.1121	20.6441	11†	10.6243	8.4888				
6106	8	18.2391	14.6350	5†	6.5020	2.6499	6165	37§	22.2597	20.3245	34§	10.7554	8.1653	67 1064	9.5		
6107	21	19.6905	14.5016	21	7.9467	2.4546	6166	6	22.3356	20.3412	12	10.8334	8.1786				
6108	8	20.1000	14.2452	8†	8.3416	2.1832	6167	12	23.5407	21.0465	15	12.0689	8.8308				
6109	47§	21.2083	14.1463	46§	9.4460	2.0344	6168				10	13.5297	8.8365				
6110	24§	22.9898	14.6498	28	11.2483	2.4651	6169	8†	25.4018	20.6436	15	13.9101	8.3495				
6111	4	24.0892	14.6352	4	12.3467	2.4042	6170	6	14.6276	21.2689	8	3.1748	9.4289				
6112				4	12.6724	2.7228	6171	31§	15.7724	21.1235	29§	4.3101	9.2381	67 1058	9.5		
6113	26§	24.5632	14.2521	37§	12.8047	2.0004	6172	30§	17.0241	21.3390	29§	5.5712	9.3992				
6114	11	14.0451	15.4624	5*	2.3437	3.6526	6173	17	17.5130	21.0191	16	6.0447	9.0574				
6115	42§	15.2310	15.8516	53§	3.5443	3.9889	6174	32§	19.4117	21.1898	28§	7.9501	9.1484				
6116	26§	15.6506	15.1410	27	3.9372	3.2642	6175	15	21.4822	21.6837	14	10.0418	9.5532				
6117	8	15.9844	15.0429	5	4.2654	3.1521	6176				8†	11.1419	9.8074				
6118	16	16.8637	15.7263	14	5.1748	3.7992	6177	19	23.0950	21.8888	21§	11.6595	9.6925				
6119	10	17.7884	15.3698	9†	6.0842	3.4041	6178				8	12.1762	9.8908				
6120	2*	19.7689	15.9389	3†	8.0849	3.8847	6179	17	25.3295	22.0427	18	13.8963	9.7507				
6121	17	20.7960	15.4549	19	9.0898	3.3603	6180				17	13.9001	9.7450				
6122	3*	21.4554	15.7329	3*	9.7591	3.6125	6181	22	14.0399	22.4439	26	2.6365	10.6306				
6123	11	23.4072	15.6998	13	11.7133	3.4956	6182	25§	14.7102	22.3982	27§	3.3041	10.5522				
6124	10	23.6156	15.6144	15	11.9156	3.4016	6183	25§	14.7717	22.1975	27	3.3561	10.3501				
6125	5†	23.6748	15.0737	6	11.9537	2.8581	6184	5	17.6248	22.0072	6†	6.1988	10.0404				
6126	21	24.3658	15.0083	25	12.6405	2.7596	6185	8	18.6573	22.1473	12	7.2353	10.1401				
6127	8	17.9036	16.8817	9†	6.2638	4.9108	6186	5	19.6036	22.9150	10	8.2117	10.8644				
6128	20§	18.0436	16.8889	23§	6.4040	4.9110	6187	6	21.2910	22.5454	10	9.8811	10.4239				
6129	24	18.7552	16.6916	18	7.1040	4.6811	6188				11	13.7097	10.2612				
6130	19	21.1876	16.6626	18	9.5331	4.5510	6189	57§	14.3729	23.0398	54§	2.9934	11.2107	67 1054	8.0		
6131	3*	21.5173	16.4743	5	9.8552	4.3465	6190	27§	14.9722	23.2028	23	3.5968	11.3469				
6132	15	21.7712	16.2432	16	10.1015	4.1084	6191	4*	17.6182	23.8906	3†	6.2696	11.9249				
6133	14	21.8650	16.6210	16	10.2100	4.4808	6192	26	20.5937	23.8710	21§	9.2447	11.7796	67 1061	9.5		
6134	15	22.9509	16.6913	16	11.2964	4.5056	6193				6	13.1950	11.1068				
6135	16	23.6748	16.1606	15	11.9982	3.9432	6194	11	14.1918	24.7978	11	2.8880	12.9763				
6136				4†	6.3231	5.0830	6195	22	14.3973	24.3981	19	3.0750	12.5648				
6137	8	19.5961	17.4184	10	7.9742	5.3716	6196	22	15.7100	24.4103	18	4.3875	12.5217				
6138	4	20.9320	17.9317	4	9.3288	5.8287	6197	14	15.8161	24.8753	14	4.5128	12.9821				
6139				8	13.0635	5.8526	6198	21	15.9272	24.7521	21	4.6166	12.8560				
6140	26§	16.1549	17.9470	28§	4.5583	6.0424	6199	45§	20.0344	24.2917	35§	8.7005	12.2227	67 1060	9.3		
6141	12	16.1935	18.2415	15	4.6112	6.3381	6200				8	9.1698	12.7501				
6142	2*	19.5605	18.2828	4	7.9744	6.2391	6201				8†	9.3308	12.6091				
6143	11	22.7461	18.5743	12	11.1703	6.3947	6202	48§	20.8098	24.2319	43§	9.4748	12.1294	67 1062	9.2		
6144	4†	23.3098	18.2402	13	11.7175	6.0381	6203				10	12.5303	12.5157				
6145	4†	23.3998	18.9400	11	11.8378	6.7300	6204	14	15.0262	25.4306	17	3.7484	13.5674				
6146	33§	23.5011	18.7503	29§	11.9330	6.5376	6205	7	16.8298	25.4494	15	5.5479	13.5137				
6147				8	13.1833	6.1894	6206				10	7.4197	13.1685				
6148	66§	25.4177	18.8293	64§	13.8530	6.5383	6207				10	10.3764	13.7115				
6149	38§	14.0699	19.4624	43§	2.5414	7.6480	6208				10	10.5598	13.5956				
6150	18	14.4342	19.3431	19§	2.8999	7.5132	6209				10	12.1946	13.4068				
6151	8	15.0756	19.7383	11	3.5573	7.8815	6210	5†	23.6430	26.1770	14	12.3923	13.9545				
6152	18	15.7147	19.4980	19	4.1836	7.6141	6211	8†	23.8726	25.9158	15	12.6072	13.6839				
6153	20	15.8363	19.5188	22	4.3062	7.6312											
6154	22	18.1777	19.3238	23§	6.6390	7.3371											
6155	10	20.4862	19.9866	12	8.9752	7.9005											
6156				8	9.1196	7.3485											
6157	2*	20.7625	19.1763	3†	9.2137	7.0775											
6158	3*	22.8618	20.1318	4	11.3474	7.9484											
6159	5*	24.9864	19.6542	12	13.4552	7.3807											
6160	14	15.2369	20.9127	14	3.7279	8.0485											

No. 6159, Plate 2688. The images are very near the *réseau* line. The measure of diameter is therefore uncertain.

1 réseau interval represents very nearly  $\zeta' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .



## ZONE + 67°.

R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup>									R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> —contd.										
Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				
Plate 2148. 1894, July 19.			Plate 2685. 1895, June 16.			Plate 2148. 1894, July 19.			Plate 2685. 1895, June 16.			Plate 2148. 1894, July 19.			Plate 2685. 1895, June 16.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
								No.	Mag.									No.	Mag.
6212	18	3°5420	14°1688	16	15°3142	1°9389	°	m.	6271	17	13°3232	21°3703	13	24°8042	9°5274	°	m.		
6213	11	4°2835	14°2759	11	16°0512	2°0777			6272				11	14°1533	10°9836				
6214	288	7°3148	14°3859	298	19°0811	2°3084	67 1069	9.5	6273	10	4°2921	22°5159	14	15°7310	10°3094				
6215	17	8°7594	14°0812	22	20°5337	2°0660			6274	17	4°8966	22°9781	22	16°3201	10°7987				
6216	8	3°0391	15°4814	8	14°7639	3°2302			6275	4*	5°3581	22°3078	6	16°8069	10°1439				
6217	258	3°4400	15°4944	20	15°1647	3°2599			6276	15	6°0632	22°1223	15	17°5149	9°9916				
6218	14	12°6554	15°5345	4*	24°3663	3°6693			6277	8	6°1672	22°5551	8	17°6060	10°4283				
6219	5	13°3104	15°7384						6278	18	6°2242	22°2703	14	17°6686	10°1454				
6220	378	3°8989	16°0795	368	15°5989	3°8643	67 1068	9.5	6279	20	11°7270	22°3697	23	23°1653	10°4673				
6221	4	5°0279	16°3897	4	16°7116	4°2201			6280	10	3°2770	23°8391	16	14°6650	11°5906				
6222	8	7°7623	16°3072	3†	19°4501	4°2480			6281	10	4°2272	23°7625	10	15°6160	11°5518				
6223	14	8°2649	16°6146	15	19°9371	4°5714			6282	9	4°6151	23°4499	14	16°0149	11°2549				
6224	12	9°4160	16°8274	4†	21°0794	4°8331			6283	11	5°8742	23°6580	15	17°2648	11°5141				
6225	22	10°1314	16°3684	17	21°8131	4°4010			6284	5	9°6249	23°5865	6	21°0174	11°5934				
6226	7	11°2386	16°0461						6285	12	10°1357	23°5912	14	21°5283	11°6209				
6227	5	11°7652	16°7340						6286	368	11°4355	23°0306	448	22°8516	11°1108	67 1074	9.0		
6228	4†	12°5683	16°3812						6287	15	12°5247	23°4531	17	23°9228	11°5796				
6229	13	6°3694	17°5475	12	18°0059	5°4282			6288	8	12°9188	23°6569	8	24°3063	11°7998				
6230	14	9°5259	17°8490	17	21°1530	5°8587			6289	278	13°7542	23°2286	328	25°1566	11°4026				
6231	15	10°2089	17°6357	18	21°8385	5°6734			6290	428	3°9424	24°5246	388	15°3006	12°3021	67 1067	9.1		
6232	478	10°6821	17°6273	438	22°3142	5°6807	67 1071	9.0	6291	11	6°1939	24°8804	19	17°5357	12°7487				
6233	278	11°1724	17°2687	318	22°8148	5°3442	67 1072	9.5	6292	6	6°4694	24°6501	11	17°8231	12°5320				
6234	27	11°8986	17°4384	26	23°5344	5°5436			6293	7	7°1108	24°7073	9	18°4626	12°6123				
6235	5	13°1996	17°7466	3*	24°8214	5°9029			6294				4†	18°9148	12°5147				
6236	3	13°4676	17°3102						6295				12	19°3694	12°7105				
6237	20	2°6443	18°4932	17	14°2471	6°2248			6296	21	10°4064	24°3383	258	21°7690	12°3767				
6238	8	3°2956	18°6044	13	14°8941	6°3631			6297				8	22°5768	12°7827				
6239	9	4°4855	18°9642	15	16°0681	6°7730			6298	238	11°5986	23°9994	308	22°9733	12°0863				
6240	12	6°7140	18°4508	15	18°3149	6°3476			6299				8	23°1012	12°1923				
6241	5	7°8429	18°2836	5	19°4477	6°2251			6300	22	12°4069	23°9864	25	23°7803	12°1038				
6242	15	8°5664	18°0674	18*	20°1832	6°0357			6301				4	15°7073	13°7575				
6243	4†	10°5036	18°0327	5	22°1162	6°0805							388	26°8814	10°5245	67 1077	9.2		
6244	9	10°6252	18°3889	6	22°2264	6°4405							248	26°3380	11°2666	67 1076	9.3		
6245	268	11°0083	18°7973	318	22°5931	6°8658	67 1073	9.5		648	2°2640	18°8197				67 1066	7.0		
6246	278	11°1089	18°7592	24	22°6929	6°8304													
6247	4	11°3741	18°3416																
6248	328	11°7840	18°5674	338	23°3748	6°6664													
6249	8	4°7015	19°4991	8	16°2609	7°3101													
6250	17	5°5891	19°7734	16	17°1367	7°6207													
6251	13	5°6984	19°3312	12	17°2640	7°1871													
6252	4	6°5494	19°8190	4	18°0931	7°7072													
6253	308	8°4661	19°7295	298	20°0150	7°6973	67 1070	9.5	6302	7	15°3101	13°9823							
6254	12	13°3262	19°4039	7	24°8847	7°5647			6303	12	19°3627	13°9983							
6255	12	13°6401	19°5856	9	25°1870	7°7591			6304	4	15°1797	14°0051							
6256	3	13°7276	19°7825						6305	15	19°1875	14°9312							
6257	6*	7°9706	20°3332	7	19°4915	8°2743			6306	278	19°8034	14°3025	20	8°1603	2°2448	66 1115	9.5		
6258	12	10°5752	20°6651	10	22°0859	8°7109			6307	20	19°9335	14°6508	14	8°3063	2°5835				
6259	188	12°1840	20°9788	25	23°6810	9°0896			6308	15	20°3172	14°6041	4	8°6896	2°5240				
6260	12	12°8809	20°5071	8	24°3948	8°6459			6309	12	21°3272	14°2855							
6261	4†	13°1358	20°4900						6310	18	21°4360	14°9960	9	9°8224	2°8677				
6262	258	6°7639	21°2494	228	18°2537	9°1446			6311	11	21°7486	14°1542	6*	10°0985	2°0165				
6263	13	8°1624	21°3160	14	19°6481	9°2680			6312	408	22°0207	14°8396	408	10°3998	2°6861	67 1084	9.0		
6264	238	9°0175	21°3325	258	20°5033	9°3149			6313	608	23°9082	14°5073	708	12°2709	2°2747	67 1087	8.0		
6265	8	10°2846	21°3242	8	21°7656	9°3607			6314	6	14°2412	15°1182							
6266	17	10°3257	21°4401	20	21°8051	9°4766			6315	11	14°3174	15°6211							
6267	8	10°3366	21°2528	8	21°8231	9°2924			6316	15	14°5784	15°6902							
6268	10	10°6001	21°6640	10	22°0674	9°7128			6317	18	19°9440	15°6600	10†	8°3585	3°5935				
6269	4	11°8634	21°8636						6318	9	20°3731	15°5900							
6270	288	12°5260	21°9084	318	23°9841	10°0328	67 1075	9.4											

No. 6220, B. D. 67° 1068. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.

## ZONE + 67.

R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							B. D.		R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2148. 1894, July 19.							R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 452. 1892, June 29.		Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2148. 1894, July 19.							R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 452. 1892, June 29.	
6319	22§	21°0067	15°3009	25	9°4061	3°1901	°	m.	6378	10	23°1041	22°5197	12	11°7942	10°3166	°	m.
6320	16	21°3659	15°5762	9*	9°7750	3°4497			6379	14	24°1469	22°8076	15	12°8495	10°5599		
6321	3	21°4383	15°5510						6380	2†	14°3637	23°1080					
6322	12	22°9555	15°3926						6381	22§	14°9295	23°0427	25	3°6535	11°1752	67 1076	9.3
6323	9	25°0575	15°2294	6	13°4484	2°9508			6382	6	16°1305	23°6817	4†	4°8806	11°7652		
6324	39§	15°1832	16°9384	44§	3°6532	5°0643			6383	8	19°2341	23°9183	12	7°9889	11°8709		
6325	22§	16°3141	16°3411	22	4°7597	4°4238			6384	44§	21°2565	23°9805	62§	10°0092	11°8506	67 1083	8.9
6326	12	17°0502	16°6854	7†	5°5085	4°7370			6385	9	22°3802	23°9815	13	11°1325	11°8053		
6327	29§	18°8655	16°8411	29§	7°3293	4°8157	67 1080	9.5	6386	26	23°9655	23°6025	32	12°6999	11°3611		
6328	9	20°2106	16°0151						6387	11	16°3464	24°0495	17	5°1092	12°1236		
6329	12	23°1811	16°3536	9*	11°6205	4°1547			6388	4	17°7300	24°0688					
6330	40§	23°2132	16°0198	39§	11°6375	3°8175	67 1086	9.3	6389	17	16°7439	25°3378	34§	5°5589	13°3932		
6331	20	23°7945	16°8583	17	12°2526	4°6328			6390				20	13°7496	13°6398		
6332	13	24°0670	16°4537	14	12°5100	4°2150							51§	3°6101	1°4118	66 1109	9.1
6333	15	24°1401	16°2982	17	12°5761	4°0562											
6334	35§	15°6020	17°0005	32§	4°0734	5°1091	67 1078	9.5									
6335	4	19°2190	17°7319														
6336	12	23°2082	17°5212	12	11°6931	5°3188											
6337	5	24°5276	17°6999														
6338	26§	14°1451	18°4388	21	2°6813	6°6083											
6339	10	22°5266	18°4802	9	11°0522	6°3047											
6340	5	22°9941	18°5459	4	11°5186	6°3510			6391	8	2°6987	14°1802	4*	14°4407	1°9738		
6341	25§	23°1384	18°3935	30§	11°6612	6°1935			6392	15	5°9146	14°4814	8†	17°6433	2°4084		
6342	29§	23°6956	18°4818	33§	12°2195	6°2588			6393	11	6°5093	14°7611					
6343	16	24°9854	18°0020	15	13°4919	5°7249			6394	14	7°7148	14°2818	8*	19°4507	2°2847		
6344	17	18°1621	19°1892	13	6°7220	7°1909			6395	15	8°1621	14°5702	5*	19°8840	2°5879		
6345	10	19°1624	19°9385						6396	42§	13°9238	14°9891	51§	25°6264	3°2469	67 1098	8.8
6346	15	21°3520	19°0375	7†	9°9012	6°9089			6397	13	4°4935	15°2171					
6347	17	23°3522	19°6162	16	11°9230	7°4046			6398	18	5°0873	15°4784	11*	16°7760	3°3661		
6348	38§	24°6997	19°2021	37§	13°2546	6°9390	67 1088	9.5	6399	10	5°7177	15°2180	2†	17°4179	3°1367		
6349	8	14°3242	20°0570						6400	17	6°8262	15°2926	11†	18°5227	3°2563		
6350	13	14°4634	20°3121	7*	3°0727	8°4662			6401	15	8°2325	15°9323	8*	19°8975	3°9515		
6351	18	15°0909	20°4999	14	3°7083	8°6280			6402	5	11°4650	15°9228					
6352	6	15°4896	20°9251						6403	11	13°5340	15°7103					
6353	4	15°4950	20°4966						6404	9	3°3823	16°9766	6	15°0118	4°7971		
6354	17	15°7608	20°9773	14	4°3963	9°0782			6405	27	5°7474	16°5105	28	17°3928	4°4290	67 1092	9.3
6355	12	16°2854	20°4617	9*	4°9031	8°5390			6406	6	6°8741	16°6370	5†	18°5098	4°6036		
6356	8	16°3824	20°4342						6407	28§	8°7484	16°4098	28	20°3942	4°4518		
6357	12	17°7738	20°8543	8*	6°4027	8°8707			6408	12	8°8845	16°1893	8*	20°5395	4°2382		
6358	13	19°0807	20°1093	11	7°6770	8°0723			6409	20	3°7254	17°4915	19	15°3332	5°3248		
6359	12	19°2536	20°1058	6†	7°8494	8°0605			6410	15	11°0474	17°2083	8*	22°6609	5°3412		
6360	5	19°6559	20°6011						6411	20	11°9652	17°9097	10	23°5467	6°0813		
6361	35§	21°2951	20°4577	34§	9°9025	8°3300	67 1082	9.5	6412	31§	13°4933	17°5431	33§	25°0873	5°7813		
6362	30§	23°1335	20°1096	36§	11°7244	7°9053			6413	13	4°0005	18°8355	14	15°5514	6°6785		
6363	9	24°1668	20°9438	10*	12°7917	8°7011			6414	20	5°6765	18°2225	16	17°2522	6°1344		
6364	11	14°1819	21°5067	4*	2°8427	9°6741			6415	14	5°9288	18°6293	16	17°4889	6°5521		
6365	26§	17°8903	21°2828	30	6°5382	9°2948			6416	20	6°3959	18°0092	16	17°9814	5°9495		
6366	5	17°9271	21°9966						6417	48§	8°2928	18°3082	44§	19°8612	6°3288	67 1095	9.1
6367	23§	18°0040	21°2989	19	6°6524	9°3068			6418	14	9°2668	18°0515	11	20°8446	6°1108		
6368	25	24°2633	21°7030	24§	12°9183	9°4538			6419	14	9°3721	18°2473	11	20°9394	6°3126		
6369	4	15°2487	22°0910						6420	8	10°3001	18°0877					
6370	30§	15°4408	22°2830	35§	4°1327	10°3950	67 1077	9.2	6421	11	11°2113	18°6202	6*	22°7601	6°7580		
6371	60§	16°8663	22°3831	75§	5°5607	10°4383	67 1079	6.5	6422	11	12°3915	18°7059					
6372	17§	16°9980	22°2658	21	5°6868	10°3151			6423	21	12°8832	18°2517	11	24°4490	6°4626		
6373	4	19°3940	22°0176						6424	8†	3°2685	19°8416	11	14°7757	7°6540		
6374	17	20°2747	22°9076	18	8°9867	10°8194			6425	43§	5°1075	19°6914	37§	16°6235	7°5798	67 1090	9.5
6375	28§	20°4360	22°9090	36§	9°1461	10°8155	67 1081	9.4	6426	25	6°2658	19°3324	23	17°7934	7°2671		
6376	4	21°1032	22°4702	3*	10°7904	10°3080			6427	21	7°9145	19°6976	16	19°4250	7°7030		
6377	66§	22°1134	22°6849	82§	10°8125	10°5235	67 1085	7.5	6428	29§	8°2509	19°2698	27	19°7802	7°2863		

1 réseau interval represents very nearly 5' = 51.2" of R.A. at Dec. + 67°, and 53.4" at Dec. + 68°.



## ZONE + 67°.

R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2691. 1895, June 16.				R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 452. 1892, June 29.				Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2691. 1895, June 16.				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2136. 1894, July 11.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
6429	8	8.9636	19.7696	9†	20.4709	7.8158	°	m.	6478	5*	22.1565	14.7923	6	10.4725	2.7197	°	m.
6430	5†	9.8124	19.9489	2*	21.3100	8.0302			6479	8	25.1259	14.9285	15	13.4454	2.7352		
6431	5†	11.1257	19.4366						6480	21	15.0148	15.7391	21	3.3702	3.9407		
6432	4	11.7348	19.5893						6481	17	18.6089	15.6304	17	6.9610	3.6897		
6433	3†	11.8491	19.3636						6482	24	22.1756	15.4297	25	10.5151	3.3531		
6434	8	12.7688	19.8488						6483	28	22.6549	15.6197	24	11.0034	3.5256	67 1104	9.4
6435	10	13.8522	19.4650						6484	37§	23.4616	15.5389	37§	11.8037	3.4100	67 1105	9.3
6436	14	4.5677	20.9372	14	16.0316	8.8035			6485	15	25.4852	16.1904	18	13.8499	3.9814		
6437	24	7.5194	20.1244	20	19.0154	8.1107			6486	5*	18.4474	16.7200	6	6.8406	4.7915		
6438	42§	5.3373	21.0949	42§	16.7946	8.9924	67 1091	9.1	6487	29§	20.5273	16.9752	28	8.9263	4.9600	67 1102	9.1
6439	13	5.6347	21.7585	9	17.0601	9.6668			6488				6	13.6588	4.2005		
6440	8†	6.0967	21.2605	5†	17.5473	9.1876			6489	12*	17.2977	17.0309	16	5.7026	5.1415		
6441	5†	7.1650	21.7766	3†	18.5900	9.7486			6490	21	18.3249	16.9967	28	6.7268	5.0696		
6442	4*	7.3444	21.6150	2*	18.7727	9.5944			6491	21	18.4536	17.6099	23	6.8824	5.6777		
6443	33§	8.3025	21.8503	30§	19.7237	9.8668			6492				10	12.4807	5.2745		
6444	90§	10.5349	21.8539	83§	21.9553	9.9649	67 1096	7.0	6493	23§	14.3339	17.8673	34	2.7734	6.0940		
6445	15	11.4877	21.8979	9	22.9028	10.0487			6494	16	15.4703	17.8898	23	3.9087	6.0758		
6446	7	12.6346	21.1632	4†	24.0813	9.3577			6495	7†	19.0437	18.3293	10	7.4951	6.3705		
6447	13	13.0998	21.3654	8*	24.5339	9.5813			6496	11	20.9305	18.6030	13	9.3944	6.5704		
6448	10	13.3737	21.4535	5*	24.8017	9.6817			6497	3*	21.4613	18.3098	6*	9.9128	6.2602		
6449	9	4.2264	22.0606	11	15.6413	9.9099			6498	5*	21.9216	18.6741	6†	10.3904	6.6007		
6450	13	5.3663	22.7703	13	16.7535	10.6677			6499	11†	22.9481	18.2956	14	11.3973	6.1862		
6451	5†	6.0880	22.4620	4*	17.4891	10.3863			6500	37§	24.2625	18.3349	34	12.7089	6.1697		
6452	10	8.1303	22.7711	9	19.5118	10.7816			6501	11	24.9536	18.6539	19	13.4153	6.4625		
6453	15	8.4596	22.2203	9	19.8644	10.2462			6502				7	13.5357	6.4357		
6454	8	12.5522	22.5457	5*	23.9434	10.7413			6503	19	15.2067	19.1628	21	3.6987	7.3535		
6455	17	12.7246	22.5846	12	24.1122	10.7841			6504	11	15.3943	19.5100	16	3.8945	7.6946		
6456	29	6.4553	23.3219	27	17.8209	11.2619			6505	13	15.9960	18.8865	22	4.4749	7.0486		
6457	23	7.0020	23.9227	23	18.3433	11.8823			6506	9	16.1994	19.0497	16	4.6819	7.2009		
6458	14	7.7453	23.2317	11	19.1090	11.2286			6507	4*	18.8569	19.2910	12	7.3463	7.3358		
6459	5*	9.8905	23.4409	5	21.2458	11.5234			6508	13	21.6249	19.4430	13	10.1212	7.3857		
6460	13	9.9175	23.8296	10	21.2547	11.9096			6509	24	21.6350	19.3395	20	10.1275	7.2814		
6461	24	10.5190	23.9461	22	21.8524	12.0511			6510	26	24.0465	19.5997	23	12.5461	7.4457		
6462	17§	10.6496	23.2267	13	22.0098	11.3404			6511				6	12.6830	7.7918		
6463	21	12.4345	23.1544	18	23.7968	11.3421			6512	12	24.7519	20.1797	22	13.2745	7.9977		
6464	27	5.0807	24.4468	23	16.3972	12.3283			6513	19	14.3500	20.5766	22	2.8982	8.8007		
6465	38§	6.8547	24.2002	30§	18.1823	12.1547	67 1093	9.3	6514	14	15.1646	20.1495	22	3.6942	8.3404		
6466	17	8.4223	24.5790	14	19.7284	12.5993			6515	12	15.2712	19.9887	15	3.7951	8.1776		
6467	31§	10.3482	24.8363	28	21.6417	12.9350			6516	24	16.1551	20.6689	26	4.7062	8.8224	67 1100	9.5
6468	14†	12.8147	24.7911	10†	24.1061	12.9939			6517	15	17.4780	20.1457	11	6.0061	8.2489		
6469	14	13.3863	24.5333	10*	24.6918	12.7571			6518				9	7.1135	8.6386		
6470	9†	3.3277	25.8832	16	14.5875	13.6933			6519	4†	18.7857	20.6069	10	7.3293	8.6534		
6471	8*	7.3566	25.9646	9	18.6093	13.9423			6520	21	19.5948	20.0780	19	8.1165	8.0962		
6472	3*	8.9118	25.6839	3†	20.1716	13.7247			6521				12	12.1537	8.1763		
6473	13	10.4089	25.0954	10*	21.6953	13.2000			6522	6*	24.1729	20.3073	12	12.6947	8.1427		
									6523	13	24.3962	21.0499	18	12.9558	8.8788		
	37§	1.7138	19.1898				67 1088	9.5	6524	18	15.1907	20.8636	18	3.7461	9.0589		
	53§	6.9374	26.1153				67 1094	8.8	6525	27§	17.0769	21.8030	31§	5.6678	9.9192		
	38§	12.1900	26.4402				67 1097	9.0	6526	24	20.4437	21.0282	20	9.0041	9.0154		
R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup>								R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°									
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2691. 1895, June 16.				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2136. 1894, July 11.													
6474	16	15.8107	14.1197	14*	4.1052	2.2980	°	m.	6527	34§	20.4834	21.5607	31	9.0619	9.5453	67 1103	9.5
6475	11	18.2036	14.4198	8†	6.5069	2.4997			6528	15	21.3529	21.4276	17	9.9263	9.3779		
6476	5†	20.8781	14.5143	18	9.1836	2.4903			6529	19	23.4639	21.5429	20	12.0371	9.4090		
6477	29§	21.1462	14.4156	34	9.4450	2.3781	66 1144	9.5	6530	22	23.6854	21.5493	19	12.2627	9.4067		
									6531	44§	24.9338	21.9804	38§	13.5242	9.7897	67 1106	9.1
									6532	26§	15.1905	22.4130	29	3.8085	10.6026		
									6533	11	15.5880	21.9924	12	4.1870	10.1730		
									6534	15	18.1812	22.8006	15	6.8064	10.8763		
									6535	50§	19.9462	22.3997	50§	8.5563	10.4051	67 1101	8.6
									6536	28§	20.2897	22.7600	28§	8.9158	10.7514		

## ZONE + 67°.

R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					
Plate 2691. 1895, June 16.				Plate 2136. 1894, July 11.				Plate 2288. 1894, Oct. 16.				Plate 2136. 1894, July 11.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°								Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°									
Plate 2691. 1895, June 16.								Plate 2288. 1894, Oct. 16.									
Plate 2136. 1894, July 11.								Plate 2136. 1894, July 11.									
6537	6*	20°60'16	22°83'80	7	9°23'39	10°81'30	o	m.	6586	5	3°81'17	16°79'26	5	15°48'56	4°73'36	o	m.
6538	3*	20°91'59	22°17'14	9	9°52'46	10°13'95			6587	18	3°84'83	16°36'11	28	15°54'03	4°30'43		
6539	26	21°46'46	22°85'76	22	10°09'44	10°80'06			6588	6	7°34'98	16°94'57	6*	19°01'79	5°02'46		
6540				9	11°90'41	10°31'05			6589	6	7°85'39	16°18'92	7	19°55'17	4°29'43		
6541	27	23°46'52	22°29'96	21	12°07'12	10°16'68			6590	4	9°74'45	16°71'98					
6542	6*	23°56'61	23°02'75	14	12°19'97	10°88'69			6591	6	9°82'71	16°57'80	6	21°50'79	4°75'90		
6543				10	13°40'88	10°52'03			6592	5	9°94'77	16°80'79	5†	21°62'14	4°99'31		
6544	9	15°50'54	23°47'20	16	4°16'97	11°65'12			6593	19§	9°97'48	16°24'06	35	21°66'63	4°43'00		
6545	9	15°79'92	23°00'02	14	4°43'58	11°16'98			6594	12	11°11'52	16°58'35	27	22°79'14	4°81'54		
6546	6*	19°39'22	23°08'25	11	8°02'69	11°10'93			6595	33§	11°58'44	16°81'97	44§	23°25'39	5°06'98	67 III 8	8.9
6547	6†	19°76'69	23°30'81	13	8°41'44	11°32'02			6596	15	7°41'29	17°50'51	28	19°05'72	5°59'08	67 III 1	9.5
6548	4*	19°85'82	23°07'30	10	8°49'33	11°08'00			6597	4	10°83'10	17°50'76					
6549	9*	21°08'79	23°26'81	12	9°73'45	11°22'87			6598	5	11°73'59	17°24'63					
6550	11†	22°87'29	23°38'88	15	11°51'98	11°27'94			6599	4	2°45'16	18°67'02	6	14°04'67	6°55'94		
6551	37	24°15'78	23°67'06	28	12°81'61	11°50'93			6600	7	4°88'60	18°33'08	13	16°49'62	6°31'16		
6552				8	12°93'39	11°40'23			6601	13	5°05'10	18°25'59	19	16°66'63	6°24'46		
6553				12	13°22'38	11°77'48			6602	15	6°48'58	18°68'98	23	18°08'42	6°73'43	67 III 10	9.5
6554	7†	20°85'66	24°80'31	14	9°56'26	12°77'69			6603	9	8°19'86	18°59'02	16	19°79'84	6°70'41		
6555	14†	21°89'39	24°10'99	13	10°57'04	12°03'65			6604	4	11°59'76	18°88'24					
6556	23	22°26'83	25°03'20	22	10°98'16	12°94'33			6605	6	12°76'42	18°47'16					
6557	6†	22°35'77	24°26'37	18	11°04'05	12°16'95			6606	13	13°83'43	18°16'04	19	25°45'00	6°50'07		
6558				12	12°96'08	12°74'31			6607	(7)	13°84'52	17°96'98	19	25°46'62	6°30'82		
6559	27	24°92'09	24°55'79	25§	13°61'39	12°36'41	67 1099	9.3	6608	15	3°56'51	19°29'00	20	15°14'19	7°21'94		
6560	41§	14°25'47	25°53'02	44§	2°99'45	13°75'48			6609	11	3°58'83	19°82'01	16	15°14'12	7°75'01		
6561	11*	18°08'40	24°97'18	12	6°79'66	13°04'21			6610	4	5°47'23	19°67'79	10	17°02'84	7°68'31		
6562	3†	20°09'28	25°81'50	12	8°83'53	13°81'12			6611	16	9°10'63	19°66'13	20	20°66'50	7°81'14		
6563				4†	8°84'44	13°78'58			6612	4	9°35'69	19°30'42	4*	20°92'68	7°46'60		
6564	15*	21°00'41	25°05'74	18	9°71'85	13°02'01			6613	5	10°69'44	19°61'12	7*	22°25'35	7°82'58		
6565				6	9°94'78	13°33'43			6614	4	10°71'84	19°67'22	4*	22°27'59	7°88'33		
									6615	6†	12°71'07	19°60'67	6*	24°26'83	7°90'08		
									6616	5	13°01'76	19°34'84					
				94§	6°95'92	1°91'93	66 1142	7.5	6617				12	14°40'02	8°59'16		
				42§	11°89'93	1°74'32	66 1146	9.3	6618				8	14°96'76	8°50'22		
				62§	2°24'92	3°23'59	67 1098	8.8	6619				6	15°48'90	8°83'61		
R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup>								R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup>									
Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 68°					
Plate 2288. 1894, Oct. 16.				Plate 2136. 1894, July 11.				Plate 2288. 1894, Oct. 16.				Plate 2136. 1894, July 11.					
Plate 2136. 1894, July 11.								Plate 2136. 1894, July 11.									
6566	8	3°27'44	14°77'67	10	15°02'86	2°69'86	o	m.	6620	9	4°70'38	20°35'92	17	16°23'55	8°33'47		
6567	4	3°65'29	14°25'83	6†	15°42'44	2°19'77			6621	14	6°84'47	20°68'86	20	18°36'40	8°74'88		
6568	4	4°42'52	14°92'57	4†	16°17'19	2°89'52			6622	3†	8°58'77	20°54'92	4*	20°11'31	8°67'82		
6569	4†	6°38'32	14°75'65						6623	4	8°72'85	20°47'33	7	20°25'37	8°60'80		
6570	7	7°17'35	14°08'88	16	18°95'38	2°16'64			6624				11	20°55'21	8°19'10		
6571	7	7°20'54	14°75'98	5†	18°95'78	2°84'14			6625	5	11°62'41	20°47'87	5*	23°15'02	8°72'66		
6572	12	9°86'49	14°52'81	20	21°62'59	2°71'22			6626				20	24°55'32	8°01'08		
6573	26§	10°15'47	14°74'76	49§	21°90'70	2°94'20	67 III 4	8.8	6627	16	7°03'17	21°07'40	21	18°53'39	9°14'32		
6574	4	11°07'35	14°72'74						6628	9	8°43'00	21°51'53	14	19°91'20	9°64'02		
6575	9	12°76'82	14°50'95						6629	6	11°46'46	21°70'53	7	22°94'08	9°95'02		
6576	8	2°73'58	15°05'78	8	14°48'05	2°96'04			6630	11	12°16'43	21°06'16	22	23°66'37	9°33'59		
6577	17	4°33'74	15°09'11	21	16°08'01	3°05'45			6631	6	12°36'72	20°85'79	15	23°87'57	9°13'80		
6578	4	4°57'78	15°20'97	4†	16°31'28	3°18'22			6632	4†	12°43'45	21°67'04					
6579	4	8°32'37	15°09'11	4*	20°06'59	3°21'42			6633				17	24°50'58	9°57'15		
6580	19§	9°82'35	15°12'22	35§	21°56'14	3°30'26	67 III 13	9.5	6634	6*	4°47'95	22°06'74	11†	15°94'26	10°03'16		
6581	38§	11°06'03	15°84'04	44§	22°77'11	4°06'84	67 III 17	8.6	6635	20	4°80'42	22°40'76	24	16°25'32	10°38'14		
6582	4	11°48'79	15°72'82						6636				7	16°36'06	10°77'29		
6583	11	11°52'34	15°64'73						6637	12	7°69'20	22°34'99	19	19°14'11	10°44'02		
6584	22§	11°77'44	15°85'12	39§	23°48'37	4°11'27	67 III 20	9.2	6638	3†	7°87'44	22°40'85	5	19°32'57	10°50'81		
6585	4	13°63'57	15°42'84				67 III 24	9.5	6639	6	8°27'80	22°04'78	13	19°74'03	10°16'04		
									6640	8	8°35'63	22°38'12	16	19°80'55	10°50'03		
									6641	18	8°56'35	22°41'07	19	20°01'28	10°54'02	67 III 12	9.5
									6642	4	9°67'35	22°24'77	6	21°12'34	10°41'94		
									6643	5	10°73'39	22°64'32	4	22°16'68	10°85'66		
									6644	26§	12°86'87	22°17'23	39§	24°32'38	10°47'23	67 III 21	9.2

No. 6607, Plate 2288. The 6<sup>min.</sup> image is on a *réseau* line. The diameter given is that of the 3<sup>min.</sup> image.

1 *réseau* interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>								R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2288. 1894, Oct. 16.				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2136. 1894, July 11.				Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 2288. 1894, Oct. 16.				R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2227. 1894, Sept. 18.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
6645	5	13°4041	22°4371	7†	24°8474	10°7544	° m.	6694	19	21°7049	16°3801	17	10°1446	4°3801	° m.
6646	4	13°9221	22°3013					6695	5	22°3407	16°5994	9	10°7901	4°5708	
6647				13	15°1311	11°6280		6696	4	22°6944	16°7486	4*	11°1461	4°7057	
6648	17	6°0231	23°1974	26§	17°4410	11°2216		6697	19	24°9479	16°3656	15	13°3838	4°2324	
6649	21§	8°9630	23°7273	28§	20°3562	11°8696		6698	6	14°6635	17°7662				
6650	30§	11°7147	23°0927	39§	23°1355	11°3499	67 1119 9'2	6699	4	15°8193	17°2405				
6651	6	11°7470	23°1250	10	23°1652	11°3802		6700	5	18°6983	17°3012	9	7°1795	5°4214	
6652	22§	13°4526	23°1200	32	24°8659	11°4443	67 1122 9'5	6701	8	18°7853	17°7934	9	7°2841	5°9093	
6653	25§	13°7003	22°7707	43§	25°1315	11°1023	67 1123 9'5	6702	16	19°1277	17°6196	12	7°6194	5°7197	
6654				15	14°1083	12°7221		6703	4	19°2487	17°8415	4†	7°7511	5°9423	
6655	28	2°7819	24°2881	26§	14°1565	12°1848	67 1107 9'5	6704	5	22°3718	17°9194	5	10°8710	5°8888	
6656	36§	3°2248	24°4394	40§	14°5958	12°3503	67 1108 9'2	6705	20	23°0805	17°1215	15	11°5492	5°0640	
6657	4†	3°7921	24°2570	6	15°1666	12°1938		6706	28§	14°9431	18°1137	36§	3°4572	6°3875	67 1127 8'9
6658	6	5°0642	24°7090	16	16°4219	12°6967		6707	4	15°7495	18°3812				
6659				15	17°3581	12°4762		6708	22§	17°0398	18°8578	25	5°5842	7°0455	67 1130 9'1
6660	4†	6°1881	24°7704	9	17°5430	12°8001		6709	15	18°1732	18°2887	13	6°6929	6°4255	
6661				8	18°1062	12°8768		6710	7	19°2783	18°2987	9	7°7976	6°3937	
6662				8	18°8849	12°8263		6711	4	19°2832	18°3090	4	7°8032	6°4060	
6663	6	8°8029	24°8077	11	20°1544	12°9456		6712	10	21°8867	18°1506	11	10°3985	6°1402	
6664	27§	10°3944	24°7909	38§	21°7441	12°9914	67 1115 9'5	6713				12	11°6250	6°6316	
6665	7	12°7499	24°3974	16	24°1132	12°6908		6714	7	16°3852	19°9230	5*	4°9780	8°1353	
6666				4	14°2146	13°3011		6715	136§	16°8638	19°7200	135§	5°4414	7°9078	67 1129 3'4
6667	11	3°4048	25°2913	19	14°7414	13°2100		6716	4	19°8337	19°2196	5†	8°3876	7°2914	
6668				13	15°2162	13°3398		6717	6	20°8674	19°4189	10	9°4306	7°4496	
6669				9	18°7643	13°0921		6718	19	21°0792	19°3505	22	9°6391	7°3723	
6670	10	7°7442	24°9524	24§	19°0906	13°0457		6719	20	21°3543	19°9802	17	9°9398	7°9902	67 1134 9'5
6671				6	21°7697	13°3885		6720	55§	23°8032	19°6415	49§	12°3715	7°5525	67 1142 8'9
6672				4	22°5113	13°7284		6721				7	5°4168	8°2101	
6673	5	12°4417	25°1591	14	23°7750	13°4414		6722	8	17°0942	20°1745	10	5°6920	8°3602	
6674	3†	12°8900	24°8400	5	24°2350	13°1371		6723	14	18°2848	20°9992	12	6°9151	9°1304	
6675	6	13°1337	24°8378	18	24°4801	13°1455		6724	4	19°3620	20°4927	4*	7°9715	8°5856	
				84§	24°7587	1°6622	66 1169 8'0	6725	21	21°7751	20°1505	19	10°3655	8°1439	
				59§	26°5596	6°4992	67 1127 8'9	6726	33§	21°7949	20°1214	34§	10°3850	8°1182	67 1135 9'0
	34§	10°7347	26°1177				67 1116 8'8	6727	29	23°3772	20°7815	19	11°9948	8°7114	67 1139 9'4
								6728	10	25°1556	20°6268	18	13°7648	8°4813	67 1143 9'5
								6729	6	25°2637	20°6526	9	13°8743	8°5027	
								6730	7	17°7644	21°6616	9	6°4229	9°8167	
								6731	21	17°8050	21°0599	24	6°4384	9°2131	
								6732	9	21°0190	21°6169	16	9°6747	9°6400	
								6733				10	12°6149	9°4271	
								6734	29	24°0915	21°5302	26§	12°7350	9°4304	
								6735	19	14°5019	21°7364	28	3°1649	10°0219	67 1125 9'5
								6736	14	14°5444	22°1810	9	3°2264	10°4643	
								6737	22§	14°5802	22°4092	28	3°2721	10°6908	67 1126 9'5
								6738	21	16°8056	22°6469	22	5°5037	10°8400	
								6739	4	16°9840	22°5181	6	5°6735	10°7035	
								6740				15	6°6957	10°9943	
								6741	38§	18°9434	22°6902	42§	7°6386	10°7940	67 1132 8'8
								6742	23§	18°9950	22°6620	32§	7°6937	10°7672	67 1133 9'0
								6743	5†	19°2243	22°1020	5	7°8972	10°1990	
								6744	5	19°9270	21°9717	11	8°5945	10°0404	
								6745	6	19°9555	21°9809	17	8°6238	10°0497	
								6746	54§	21°8568	22°6411	47§	10°5519	10°6298	67 1136 8'8
								6747	28	22°4361	22°9326	30§	11°1422	10°8985	67 1138 9'2
								6748	11	22°6848	22°7292	17	11°3826	10°6802	
								6749				4	11°7352	10°7813	
								6750				9	13°2228	10°3790	
								6751				9	13°7159	10°2801	
								6752	20	14°3805	22°7108	24	3°0833	11°0019	

No. 6715.  $\delta$  Draconis.

1 réseau interval represents very nearly 5' = 51'2 of R.A. at Dec. + 67°, and 53'4 at Dec. + 68°.

## ZONE + 67°.

R. A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>							R. A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>						
Centre R. A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R. A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R. A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R. A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2288. 1894, Oct. 16.			Plate 2227. 1894, Sept. 18.				Plate 2289. 1894, Oct. 16.			Plate 2227. 1894, Sept. 18.			
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
6753	6	15°0150	23°2723	19	3°7432	11°5386	6802	3*	12°5407	17°9999	3*	24°0819	6°2273
6754	32§	16°4999	23°6656	35§	5°2397	11°8711	6803	19	3°6763	18°0706	19	15°2249	5°9423
6755	6†	20°1825	23°5668	12	8°9147	11°6209	6804				9	16°2673	6°6716
6756	7	20°2371	23°1177	13	8°9520	11°1710	6805	9	8°1365	18°3397	11†	19°6722	6°3913
6757	12	20°5745	23°4273	18	9°2995	11°4680	6806	9	13°3157	18°4637			
6758	36§	23°7495	23°3176	29§	12°4667	11°2262	6807				3†	15°0972	7°4474
6759	11	24°8333	23°3726	19	13°5500	11°2341	6808	10	4°1453	19°2826	9	15°6434	7°1724
6760				11	5°2921	12°2523	6809				12	16°4945	7°4606
6761	26	18°0294	24°7553	29§	6°8142	12°8998	6810				9	16°6500	7°1789
6762				5	7°2912	12°5156	6811	4*	5°6938	19°2685	4*	17°1922	7°2189
6763	17	15°6871	25°3612	19	4°4951	13°5984	6812	6	8°7100	19°2629	12	20°2078	7°3375
6764				16	7°1172	13°1714	6813	20	8°9623	19°6429	25	20°4447	7°7246
6765	17	19°6474	25°5809	22	8°4646	13°6546	6814	26§	11°8547	19°2491	34§	23°3548	7°4457
6766	43§	21°9563	25°3868	34§	10°7610	13°3649	6815	51§	12°4932	18°9391	76§	24°0017	7°1619
				75§	1°2710	1°7105	6816	7	7°0330	20°4546	12	18°4844	8°4604
				98§	6°8944	1°2995	6817	15	9°2282	20°7902	20	20°6648	8°8825
				72§	9°6354	1°4298	6818	5	9°9677	19°8876	6	21°4394	8°0094
	17	25°3962	26°1523				6819				12	14°3845	9°9781
							6820				7	15°0779	9°7824
							6821	14	4°4340	21°3617	17	15°8505	9°2617
							6822	12	6°2363	21°7516	19	17°6358	9°7249
							6823	13	8°8950	21°4203	15	20°3074	9°5000
							6824	7	9°4996	21°1850	11	20°9213	9°2881
							6825	19	9°8040	21°1331	25	21°2273	9°2492
							6826	13	10°2659	21°8641	15	21°6594	9°9973
							6827	12	10°7479	21°1010	20	22°1724	9°2538
							6828	7	11°1136	21°1493	10	22°5349	9°3177
							6829	2*	4°2884	23°0234	4	15°6431	10°9146
							6830	14	4°5413	22°4615	12	15°9139	10°3692
							6831	7	5°2713	22°1344	9	16°6574	10°0704
							6832	16	6°2741	22°2056	16	17°6550	10°1806
							6833				10	17°7460	10°8218
							6834	5*	7°3439	22°5047	6*	18°7130	10°5229
							6835				9	20°0917	10°4540
							6836	2*	11°4282	22°2030	5*	22°8096	10°3805
							6837	9	13°2005	21°9928	8†	24°5891	10°2413
							6838	9	13°2266	22°1639	5†	24°6043	10°4141
							6839				23	18°3391	11°2398
							6840	33§	7°4366	23°2958	32§	18°7754	11°3148
							6841	24§	11°1919	23°6346	27§	22°5146	11°8034
							6842	16	12°3876	23°4222	17	23°7169	11°6390
							6843				7	15°5493	12°7780
							6844	24	5°1803	24°9399	24	16°4542	12°8693
							6845				11	17°7292	12°7522
							6846	32	7°0364	24°4278	32§	18°3309	12°4277
							6847	16	8°3886	24°7334	16	19°6682	12°7920
							6848	5†	11°3467	24°4068	12	22°6365	12°5818
							6849	19§	11°8096	24°7202	21	23°0864	12°9153
							6850	14	12°8802	24°2338	18	24°1749	12°4713
							6851	9†	3°8222	25°3934	15	15°0769	13°2667
							6852				8	15°5247	13°3907
							6853				8	15°7571	13°6890
							6854				8	15°9410	13°7094
							6855				5†	18°6771	13°1102
							6856				8	19°6852	13°4726
							6857	20	8°9362	25°1266	18	20°2016	13°2075
							6858	7†	10°3618	25°7844	13	21°5962	13°9203
							6859	4	10°5817	25°3704	10	21°8352	13°5139
							6860	23	12°2751	25°3629	22	23°5273	13°5733

No. 6787, Plate 2289. The images of this star fall on a *réseau* line.No. 6838, Plate 2289. The images of this star fall on a *réseau* line.1 *réseau* interval represents very nearly  $5' = 51^{\text{h}} 2'$  of R. A. at Dec. + 67°, and  $53^{\text{h}} 4'$  at Dec. + 68°.



## ZONE + 67°.

R.A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
Plate 2289. 1894, Oct. 16.				Plate 2227. 1894, Sept. 18.				Plate 2289. 1894, Oct. 16.				Plate 1397. 1893, Aug. 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.															

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 19 <sup>h</sup> 40 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup>								R.A. 19 <sup>h</sup> 40 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
Plate 2251. 1894, Sept. 28.				Plate 1397. 1893, Aug. 24.				Plate 2251. 1894, Sept. 28.				Plate 1397. 1893, Aug. 24.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.							

No. 6992, B. D. 67° 1203. The R. A. given in the B. D. appears to be about 20<sup>sec</sup>. too large, and the declination about 2' too small.

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R. A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.



ZONE + 67°.

R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2251. 1894, Sept. 28.				Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2306. 1894, Oct. 25.				Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1416. 1893, Sept. 2.				Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2306. 1894, Oct. 25.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
7074	5†	16.8030	19.2153	15	5.2234	7.2134	°	m.	7125	19	7.5236	20.6178	13	18.9785	8.5758	°	m.
7075	18	17.5319	19.6219	26	5.9674	7.5920	67 1209	9.5	7126	19	9.1010	20.8389	13	20.5483	8.8576		
7076	21	22.7029	19.4440	34§	11.1291	7.1998			7127	20	10.5647	20.7705	12	22.0131	8.8478		
7077	8	15.5376	20.5250	13	4.0156	8.5748			7128	35§	4.9223	21.4612	28§	16.3451	9.3190	67 1221	9.0
7078	16	16.9850	20.3503	25	5.4536	8.3420	67 1208	9.5	7129	118§	5.2228	21.0979	111§	16.6612	8.9648	67 1222	5.1
7079	37§	22.7628	21.2041	41§	11.2591	8.9580	67 1214	8.9	7130	4	5.9757	21.6705	3*	17.3900	9.5696		
7080	21	23.0048	20.6904	26	11.4838	8.4357			7131	23	6.7551	21.5187	19	18.1775	9.4446		
7081				9	11.8141	8.5517			7132	7	7.6473	21.7900	7	19.0596	9.7496		
7082				4	12.7139	8.9386			7133	21	7.9393	21.1593	17	19.3746	9.1340		
7083	29§	19.7420	21.3115	38§	8.2450	9.1881	67 1212	9.5	7134	20	9.3586	21.5399	16	20.7775	9.5684		
7084				19	9.3660	9.7750			7135	14	10.2633	21.3601	12	21.6896	9.4237		
7085				8	12.9331	9.5536			7136	13	10.9526	21.9006	12	22.3559	9.9921		
7086				9†	8.3654	10.7364			7137	18	12.5181	21.1031	19	23.9528	9.2548		
7087				10	8.6407	10.5240			7138	24	2.6920	22.7430	16	14.0682	10.5148		
7088				11	8.3296	11.5419			7139	73§	7.6512	22.8515	76§	19.0193	10.8142	67 1226	7.0
7089	14†	22.6739	23.7526	22	11.2763	11.5085			7140	37§	10.3530	22.2705	45§	21.7418	10.3379	67 1228	8.7
7090	25	23.1111	23.4174	37§	11.6986	11.1541	67 1215	9.5	7141	8	10.5272	22.7144	4	21.9005	10.7866		
7091				15	12.0341	11.9187			7142	16	13.1388	22.8404	19	24.5019	11.0155		
7092	28	24.8219	23.9599	36§	13.4274	11.6226	67 1219	9.5	7143				8	14.1441	11.1271		
7093	11	14.5391	24.8988	16	3.1957	12.9887			7144				10	16.2495	11.0100		
7094				11	4.8245	12.3719			7145	6	6.4696	23.3678	10	17.8189	11.2820		
7095				14	7.8916	12.2514			7146	16	7.3926	23.4557	13	18.7366	11.4061		
7096				17	11.3752	12.6322			7147	19	7.5395	23.0540	19	18.8999	11.0098		
7097				25	11.7640	12.4328			7148	12	7.6336	23.4330	9	18.9783	11.3957		
7098				10	12.2525	12.8868			7149	19	9.8415	23.3014	21	21.1928	11.3480		
7099				12	13.0842	12.3246			7150	55§	10.9313	23.1804	60§	22.2862	11.2688	67 1229	8.2
7100	42§	15.0701	25.7685	57§	3.7643	13.8362	67 1207	8.0	7151	10	6.0086	24.2707	8	17.3219	12.1681		
7101	14	16.1241	25.5424	21	4.8052	13.5651			7152	16	6.8234	24.1603	10	18.1393	12.0899		
7102				26	13.8893	13.8804			7153	13	10.2619	24.5664	12	21.5625	12.6264		
				83§	1.7820	2.5242	66 1250	8.0	7154	50§	9.4859	25.9564	56§	20.7338	13.9858	67 1227	8.5
									7155	32§	9.5335	25.7889	23§	20.7858	13.8203		
									7156	5	10.1999	25.7307	6	21.4540	13.7873		
									7157	12	11.2448	25.7415	11	22.4977	13.8406		
										92§	0.5841	16.5500	113§	25.7621	13.8201	67 1235	6.9
										34§	0.9713	16.6509				67 1216	7.4
										58§	1.0425	16.8695				67 1217	8.8
										77§	13.7198	25.9142				67 1218	9.1
										47§	5.5261	26.5603				67 1233	7.7
																67 1223	8.8
R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 20 <sup>m</sup>																	
Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1416. 1893, Sept. 2.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1398. 1893, Aug. 24.													
7103	20	3.0956	14.7123	16	14.7790	2.5055	°	m.	7158	32§	17.3926	14.7396	29§	5.7351	2.8169	°	m.
7104	21	5.2661	14.7295	17	16.9498	2.6044	66 1268	9.5	7159	13	17.8347	14.9993	13	6.1914	3.0590		
7105	8	8.2818	14.4365						7160	19	20.8561	14.0457	19	9.1729	1.9813		
7106	9	11.9746	14.8510						7161	13	21.4268	14.0749	12	9.7448	1.9918		
7107	26	11.3197	15.8167	26	22.9578	3.9238			7162	21§	22.4662	14.1215	24	10.7844	1.9951		
7108	9	11.7431	15.1194						7163	7	15.5969	15.0123					
7109	10	9.5410	16.2286						7164	48§	24.9264	15.5237	42§	13.3002	3.2981	66 1285	9.0
7110	34§	11.7100	16.0005	36§	23.3459	4.1251	67 1230	9.4	7165	19	15.7404	16.1072	26	4.1443	4.2490		
7111	41§	11.7403	16.3291	41§	23.3605	4.4518	67 1231	9.3	7166	12	20.0114	16.9709	16	8.4438	4.9395		
7112	23§	12.5145	16.4119	23	24.1311	4.5671			7167	18	24.0559	16.5927	14	12.4707	4.4010		
7113	19	13.4349	16.2275	17	25.0565	4.4176	67 1232	9.5	7168	18	16.2741	17.3990	22	4.7252	5.5190		
7114	8	13.6946	16.8862						7169	21	17.5670	17.4917	22	6.0231	5.5595		
7115	18	5.8981	17.6749	13	17.4683	5.5733			7170	33§	17.9646	17.6040	33§	6.4245	5.6552	67 1236	9.5
7116	8	9.3952	17.9237	5	20.9535	5.9539											
7117	5	10.7251	17.8124	4*	22.2851	5.8958											
7118	31§	3.4928	18.0108	30§	15.0499	5.8140											
7119	4	8.9488	18.1442														
7120	21	3.7035	19.0275	16	15.2215	6.8353											
7121	3*	3.9341	20.0307	3*	15.4121	7.8526											
7122	34§	5.4385	20.6698	26§	16.8900	8.5453	67 1224	9.3									
7123	22	7.0643	20.4804	19	18.5263	8.4219											
7124	18	7.4513	20.8824	9	18.8984	8.8377											

No. 7129. ♂ Draconis.

1 *réseau* interval represents very nearly  $5' = 51^{\text{s}}.2$  of R. A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .

## ZONE + 67°.

R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 1416. 1893, Sept. 2.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1398. 1893, Aug. 24.				Centre R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2310. 1894, Oct. 28.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1398. 1893, Aug. 24.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
7171	24	20°0459	17°2897	31	8°4918	5°2591	° m.	7220				6	18°3853	3°8811	° m.
7172	34§	21°3218	17°3743	30§	9°7701	5°2914		7221	9	9°2585	15°2963	21	20°9444	3°4631	
7173	5	21°3222	17°8076	5	9°7877	5°7237		7222	7	10°0602	15°3185	18	21°7477	3°5169	
7174	12	23°7978	17°1065	17	12°2342	4°9239		7223	26§	12°9909	15°0051	66§	24°6908	3°3162	66 1303 8·8
7175	6†	14°0634	18°7991	6†	2°5739	7°0067		7224	4*	4°1343	16°6988	13	15°7718	4°6676	
7176	4	16°7542	18°0109	4	5°2334	6°1091		7225	25§	7°8592	15°8951	43§	19°5242	4°0086	67 1247 9·2
7177	7	16°8341	18°5712	9	5°3359	6°6677		7226	34§	9°3787	16°7056	50§	21°0131	4°8725	67 1251 8·8
7178	4	21°3573	18°5485	4	9°8515	6°4614		7227	4	9°9199	16°2931	12	21°5701	4°4823	
7179	10	21°6396	18°0402	13	10°1155	5°9474		7228	14	3°5814	17°4284	27	15°1910	5°3748	
7180	24	22°9728	18°9763	34	11°4806	6°8256	67 1240 9·5	7229				5†	16°2667	5°2735	
7181	19	22°9838	18°9505	24	11°4934	6°7988		7230	3*	6°1901	17°3027	12	17°8044	5°3470	67 1244 9·5
7182	41§	18°7866	19°4818	44§	7°3241	7°4989	67 1237 9·3	7231	24	8°9167	17°0744	38§	20°5350	5°2263	
7183	27§	20°7754	19°1440	26§	9°2947	7°0806		7232	3*	8°9911	17°7946	7	20°5828	5°9501	
7184	7	20°8121	19°6198	6	9°3475	7°5537		7233				4	20°6642	5°3037	
7185	4†	24°3385	19°3655	6	12°8620	7°1598		7234	44§	8°5978	18°1617	53§	20°1744	6°3012	67 1249 9·0
7186	7	15°2198	20°8976	8	3°8118	9°0600		7235	28§	8°6205	18°7346	36§	20°1769	6°8727	67 1250 9·5
7187	16	15°7621	20°9213	19	4°3582	9°0607		7236	24	12°7598	18°1177	36§	24°3389	6°4174	67 1253 9·5
7188	6	18°7990	20°9296	4	7°3934	8°9429		7237	45§	3°0797	19°6538	50§	14°6055	7°5775	67 1241 8·8
7189				6†	13°9259	8°0282		7238	7	7°7594	19°0653	17	19°3029	7°1703	
7190	16	18°8781	21°3789	14	7°4900	9°3882		7239				7	20°3343	7°6527	
7191	4†	21°1824	21°7451	5	9°8035	9°6642		7240	10	10°7811	19°0687	18	22°3243	7°2919	
7192				6	10°4004	9°6146		7241	3†	11°6975	19°0058	6	23°2403	7°2690	
7193	22	22°3644	21°3331	25	10°9670	9°2068		7242				5	19°7927	8°0769	
7194	12	25°3923	21°2378	8	13°9918	8°9896		7243	8	10°6341	20°2144	15	22°1329	8°4306	
7195	4*	16°8353	22°6459	4	5°4984	10°7383		7244	45§	10°7273	20°3855	49§	22°2175	8°6057	67 1252 8·3
7196	36§	18°0335	22°8083	35§	6°7018	10°8512		7245	9	11°2071	20°4404	15	22°6948	8°6787	
7197	10	18°1340	22°5220	12	6°7915	10°5619		7246	10	12°3388	20°5446	17	23°8235	8°8277	
7198	37§	22°0887	22°0117	30§	10°7216	9°8974	67 1239 9·5	7247				5	24°1255	8°5565	
7199	10†	23°6117	22°9062	8	12°2757	10°7278		7248	6	13°8178	19°9331	10	25°3232	8°2717	
7200	9	16°5201	23°7180	9	5°2282	11°8219		7249				12	18°0454	9°2899	
7201	17	16°5789	23°7905	18	5°2877	11°8921		7250	4*	7°9913	21°2705	12	19°4495	9°3830	
7202	12	18°3429	23°5787	12	7°0423	11°6092		7251	12	8°8109	21°0259	24	20°2802	9°1730	
7203	36§	19°0533	23°6090	33§	7°7531	11°6111		7252	15	11°2217	21°0958	27	22°6845	9°3338	
7204	36§	20°2647	23°7021	31§	8°9676	11°6564	67 1238 9·5	7253				13	16°6596	10°5059	
7205	34§	21°7451	23°8529	30§	10°4515	11°7498		7254	28	7°3203	22°2056	34§	18°7441	10°2924	67 1246 9·5
7206	33§	22°7254	23°6103	29§	11°4214	11°4687		7255	6†	7°8417	22°1901	15	19°2671	10°2979	
7207	45§	14°3655	24°1930	44§	3°0929	12°3857	67 1234 9·1	7256	11	8°8692	22°0045	23	20°2978	10°1504	
7208	5	16°0670	24°0429	6	4°7849	12°1674		7257	21	9°2004	22°7045	27§	20°6024	10°8611	
7209	35§	16°8840	24°0964	31§	5°6042	12°1861		7258	6†	10°9715	22°1462	8	22°3943	10°3770	
7210	28§	18°4258	24°1524	28§	7°1489	12°1820		7259				15	14°8114	11°3004	
7211	107§	14°5036	25°5991	103§	3°2857	13°7806	67 1235 6·9	7260				11	16°4899	11°0102	
7212	6	15°8420	25°4171	9	4°6142	13°5478		7261				8	16°7891	11°8809	
7213	11	19°0765	25°0184	10	7°8325	13°0179		7262				9	16°8136	11°9151	
7214	7†	22°8031	25°2013	10	11°5608	13°0576		7263				6	17°9322	11°1344	
7215	42	24°2623	25°1003	29	13°0148	12°8914		7264	8†	7°4797	23°3309	14	18°8590	11°4194	
7216				4	12°1633	13°4240		7265				7	19°4911	11°2550	
	60§	26°0647	19°8515				67 1241 8·8	7266	4†	10°3958	23°1756	9	21°7777	11°3816	
								7267	8†	11°1572	23°0368	17	22°5439	11°2721	
								7268	7	12°9764	23°5706	16	24°3401	11°8744	
								7269				7	14°7584	12°8265	
								7270	28	4°0850	24°0846	34§	15°4357	12°0432	67 1242 9·5
								7271	9*	5°3778	24°3122	22	16°7197	12°3207	
								7272	6*	5°4219	24°5345	15	16°7539	12°5483	
								7273	4*	6°2567	24°1251	13	17°6028	12°1664	
								7274				13	17°6374	12°1190	
								7275				9	18°7000	12°3213	
								7276	3*	8°3024	24°2689	14	19°6456	12°3898	
								7277				9	19°8742	12°8399	
								7278	3*	11°8009	24°6686	16	23°1216	12°9254	

1 réseau interval represents very nearly 5' = 51°·2 of R.A. at Dec. + 67°, and 53°·4 at Dec. + 68°.



ZONE + 67°.

R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup>										
Centre R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2310. 1894, Oct. 28.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1398. 1893, Aug. 24.					Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2311. 1894, Oct. 28.				Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1545. 1893, Oct. 18.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
7279	4*	11.8347	24.5148	17	23.1638	12.7721		m.	7325	7	8.5832	14.7101					m.		
7280	27†	3.2040	25.9778	31§	14.4827	13.8993			7326	19	13.3962	14.4006	12†	25.0970	2.4963	66 1331	9.5		
7281				13	16.2163	13.9406			7327	12	8.3813	15.3293	14	20.0507	3.2460				
7282	50§	8.1264	25.3662	52§	19.4256	13.4799	67 1248	8.5	7328	4	6.6351	16.8109	4*	18.2496	4.6581				
7283				10	20.4536	13.0432			7329	15	7.4713	16.2284	21	19.1078	4.1092				
									7330	18	9.7633	16.2026	24	21.3978	4.1677				
	31	7.0459	26.3562				67 1245	8.6	7331	6	10.0353	16.1131	4†	21.6762	4.0861				
									7332	18§	11.1267	16.9820	26	22.7352	4.9912	67 1269	9.5		
									7333	9	11.8259	16.4864							
									7334	31§	4.1645	17.1004	35§	15.7706	4.8607	67 1263	9.4		
									7335	24§	13.3440	17.9027	26	24.9190	5.9895				
									7336	4	8.1823	18.6304	4†	19.7302	6.5346				
									7337	34§	10.0173	18.7309	48§	21.5656	6.7018	67 1266	9.0		
									7338	11	13.8719	18.7147							
									7339	5	11.4083	19.7744	4*	22.9148	7.7949				
									7340	7	11.5684	19.1583	10	23.0990	7.1839				
									7341	4	9.1994	20.1265	6†	20.6960	8.0699				
									7342	9	11.4430	20.0547	7	22.9410	8.0768				
									7343	10	11.4764	20.2996	10	22.9690	8.3230				
									7344	11	13.0718	20.5996	12	24.5507	8.6803				
									7345	7	3.1360	21.3282	10	14.5939	9.0500				
									7346	11	8.6184	21.0879	20	20.0833	9.0080				
									7347	27§	8.9272	21.3798	30§	20.3805	9.3117	67 1265	9.3		
									7348	6	9.4105	21.4329	6	20.8616	9.3817				
									7349	13	10.8351	21.3098	13	22.2899	9.3099	67 1268	9.5		
									7350	63§	10.9534	21.8815	74§	22.3871	9.8842	67 1267	6.5		
									7351	4	11.8402	21.6321	4*	23.2843	9.6675				
									7352	10	7.4270	22.7655	12	18.8315	10.6419				
									7353	13	8.1833	22.6499	12	19.5932	10.5533				
									7354	7	9.7353	22.4942	9	21.1462	10.4553				
									7355	4	10.3878	22.2699	4	21.8069	10.2513				
									7356	12	12.0486	22.5701	16	23.4571	10.6106				
									7357	12	6.6984	23.8788	17	18.0643	11.7307				
									7358	9	9.6827	23.3350	13	21.0670	11.2913				
									7359	5	11.8675	23.8744	7†	23.2291	11.9072				
									7360	4	12.5576	23.9458	5*	23.9153	12.0058				
									7361	4†	4.7821	24.2719	10	16.1308	12.0529				
									7362	6	6.8104	24.7435	10	18.1428	12.6007				
									7363	3†	9.9465	24.1632	5	21.2996	12.1279				
									7364	4	13.7950	25.4372	6	25.0975	13.5395				
									7365	12	6.1842	26.0972	17	17.4703	13.9288	67 1264	9.5		
													46§ 70§	26.3270 20.2907	13.4699 0.8231	67 1271 66 1326	9.0 7.7		
R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>																			
Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2311. 1894, Oct. 28.				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2776. 1895, Aug. 6.															
7366	11	15.5430	14.7917	10	3.8554	2.9169		m.	7366	11	15.5430	14.7917	10	3.8554	2.9169		m.		
7367				5	13.8512	2.5962			7367				5	13.8512	2.5962				
7368	35§	18.6148	15.3145	44§	6.9488	3.3121	66 1339	8.9	7368	35§	18.6148	15.3145	44§	6.9488	3.3121				
7369	10	19.0262	15.9513	16	7.3860	3.9298			7369	10	19.0262	15.9513	16	7.3860	3.9298				
7370	7	23.8827	15.5369	17	12.2181	3.3206			7370	7	23.8827	15.5369	17	12.2181	3.3206				
7371				12	11.6903	4.2255			7371				12	11.6903	4.2255				
7372				11	12.2042	4.9938			7372				11	12.2042	4.9938				
7373	8	14.7023	17.2859	12	3.1178	5.4443			7373	8	14.7023	17.2859	12	3.1178	5.4443				
7374	8	17.2530	17.4965	15	5.6750	5.5493			7374	8	17.2530	17.4965	15	5.6750	5.5493				

1 réseau interval represents very nearly  $\zeta' = \zeta_{18.2}$  of R.A. at Dec. + 67°, and  $\zeta_{38.4}$  at Dec. + 68°.

## ZONE + 67°.

R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup>								
Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°								
Plate 2311. 1894, Oct. 28.			Plate 2776. 1895, Aug. 6.			Plate 2312. 1894, Oct. 28.			Plate 2776. 1895, Aug. 6.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
7375	28§	17°32'15	17°60'64	32§	5°74'84	5°65'55	67°12'73	m.	7432	8*	9°14'87	14°51'27	9	20°86'54	2°66'97		
7376	14	18°78'83	17°83'91	20	7°22'69	5°82'60			7433	21	9°88'81	14°51'35	27	21°60'29	2°69'63	66 1361	9°5
7377	10	20°90'40	17°68'64	19	9°33'25	5°58'65			7434	14	13°66'28	14°42'91	15†	25°38'00	2°75'93		
7378				15	11°90'66	5°66'25			7435	8*	4°89'28	15°78'65	12	16°56'26	3°76'97		
7379	3†	14°91'42	18°60'55	4†	3°38'54	6°75'24			7436	8	7°52'70	15°31'55	7	19°21'33	3°40'57		
7380	3*	17°95'55	18°88'67	4	6°43'82	6°90'73			7437	9	9°90'92	14°89'08	13	21°61'05	3°07'40		
7381	4	18°49'89	18°51'75	6	6°96'33	6°51'60			7438	13	11°68'37	14°94'59	16	23°38'01	3°19'58		
7382	44§	21°56'58	18°59'78	47§	10°03'41	6°47'13	67°12'79	7°2	7439	6*	5°42'42	16°85'57	11	17°04'45	4°86'10		
7383	11	24°51'79	18°50'87	23	12°97'64	6°26'37			7440				10	18°36'06	4°68'54		
7384	4	15°70'41	19°83'96	13	4°22'54	7°95'36			7441				11	18°91'78	4°50'64		
7385	20	16°01'82	19°16'30	27	4°50'96	7°26'38			7442	12	7°96'87	16°41'84	18	19°61'01	4°52'24		
7386				10	5°49'90	7°70'11			7443	8	8°23'67	16°07'98	14	19°89'27	4°19'47		
7387	3*	18°21'93	19°88'57	4	6°73'73	7°89'88			7444	12	10°60'05	16°04'19	16	22°25'57	4°25'28		
7388	3*	21°30'00	20°07'80	6	9°82'29	7°96'17			7445	9	12°88'31	16°35'21	11	24°52'40	4°64'93		
7389				11	11°01'84	7°89'29			7446	28§	13°55'40	15°82'84	41	25°21'60	4°15'32	66 1367	9°5
7390				11	11°58'75	7°35'78			7447				11	19°88'25	5°87'86		
7391	10	14°33'67	20°07'21	19	2°86'71	8°24'05			7448	15	7°05'14	18°88'49	20	18°59'81	6°95'09		
7392	6	17°73'71	20°07'58	11	6°26'58	8°10'52			7449				4	18°74'95	6°97'26		
7393	22	18°50'46	20°43'86	27§	7°04'73	8°43'48			7450	14	7°49'13	18°16'87	21§	19°06'63	6°25'26		
7394	31§	19°76'75	20°24'53	32§	8°29'94	8°19'19	67°12'76	9°3	7451	29§	8°17'41	18°36'28	30§	19°73'80	6°47'58	67 1287	9°5
7395				8	12°55'16	8°54'13			7452	5*	8°22'19	18°55'92	11	19°77'42	6°67'57		
7396	8†	15°83'69	21°46'66	12	4°42'40	9°57'49			7453	12*	9°13'36	18°03'10	10	20°71'26	6°17'90		
7397	6	16°87'64	21°56'44	14	5°46'53	9°62'99			7454	23§	10°29'11	18°16'91	29§	21°86'32	6°36'40	67 1289	9°3
7398	34§	17°96'42	21°12'81	33§	6°53'47	9°15'04	67°12'74	9°3	7455	8†	10°31'26	18°25'55	12	21°87'78	6°45'37		
7399				8	6°57'54	9°97'98			7456	17	12°95'08	18°53'63	20	24°50'59	6°83'61		
7400				9	6°67'77	9°36'06			7457	8†	4°16'94	19°47'60	14	15°69'20	7°43'15		
7401	18	18°25'47	21°78'48	19	6°85'21	9°79'15			7458	6	4°73'22	19°47'46	17	16°25'47	7°44'90		
7402				5	8°88'56	9°01'62			7459	21	7°54'73	18°91'44	24§	19°08'85	7°00'01		
7403				11	9°12'13	9°27'50			7460	13	10°23'67	18°95'77	18	21°77'63	7°15'15		
7404	18	20°82'36	21°68'92	19§	9°41'56	9°59'23	67°12'78	9°4	7461	8	11°39'41	19°01'11	8	22°93'18	7°25'01		
7405	10†	21°86'31	21°84'08	17	10°45'95	9°70'06			7462	13	13°03'03	19°41'04	20	24°54'97	7°71'31		
7406				9	10°50'58	9°36'17			7463				6	17°66'55	8°98'18		
7407				8	3°26'37	10°19'89			7464	41§	6°73'82	20°81'53	41§	18°20'67	8°86'90	67 1285	8°8
7408	10	15°42'67	21°89'35	20	4°03'26	10°01'37			7465	6*	7°93'53	20°56'63	11	19°41'46	8°66'72		
7409				10	5°41'30	10°45'50			7466	5	8°99'66	20°66'27	16	20°46'81	8°80'39		
7410	6	16°80'50	22°21'94	10	5°42'29	10°28'61			7467	8*	9°68'99	20°03'19	14	21°19'13	8°19'88		
7411	8*	19°77'73	22°56'09	9	8°39'94	10°50'17			7468	4	11°47'36	19°78'82	9†	22°97'89	8°03'22		
7412	20§	22°11'58	22°46'27	24§	10°73'58	10°31'21	67°12'80	9°5	7469	21	12°25'59	20°13'46	22§	23°74'82	8°40'49		
7413	10	23°33'44	22°45'17	21	11°95'47	10°25'13			7470	8	13°10'67	19°71'56	13	24°61'55	8°02'03		
7414	18	24°25'35	22°77'48	23§	12°88'40	10°53'75			7471	16	6°80'64	21°33'54	19	18°25'45	9°39'20		
7415	27§	16°07'63	23°82'81	25§	4°76'08	11°92'36	67°12'72	9°5	7472	13	7°08'53	21°54'74	18§	18°52'49	9°61'64		
7416				8	6°47'41	11°56'82			7473	10	7°18'94	21°75'62	15	18°62'15	9°83'01		
7417				10	6°48'17	11°90'27			7474				8	18°64'38	9°78'24		
7418	10	19°80'01	23°89'10	18	8°48'27	11°83'44			7475				11	18°66'07	9°44'96		
7419				11	4°48'91	12°21'96			7476	8*	7°75'65	21°55'18	11	19°19'64	9°64'61		
7420	12	17°29'44	24°65'71	18	6°01'19	12°70'04			7477	10	8°11'14	21°74'19	16	19°54'11	9°84'92		
7421				8	7°29'36	12°34'61			7478	12	8°26'72	21°46'36	19	19°71'07	9°57'70		
7422				14	7°70'17	12°89'71			7479	8†	8°73'51	21°65'15	12	20°16'76	9°78'43		
7423	39§	19°90'09	24°13'08	32§	8°59'20	12°07'11	67°12'77	9°4	7480	15	10°18'61	20°94'57	24§	21°64'44	9°13'27		
7424				10	8°70'11	12°26'20			7481	8†	11°49'50	21°61'59	14	22°93'23	9°85'59		
7425				11	12°60'23	12°32'08			7482	6†	11°83'06	21°04'25	13	23°28'90	9°29'71		
7426	34§	15°01'73	25°32'31	38§	3°76'55	13°46'04	67°12'71	9°0	7483	9	12°27'48	20°95'70	16	23°73'32	9°22'45		
7427	7	18°83'60	25°92'60	19	7°60'46	13°90'44	67°12'75	9°5	7484	3*	12°77'79	20°85'51	6*	24°24'51	9°14'61		
7428				8	8°14'11	13°68'88			7485	23§	13°07'57	20°88'20	32§	24°53'60	9°18'75	67 1293	9°0
7429	5†	21°86'51	25°17'75	19	10°59'81	13°03'09			7486	3*	7°74'35	22°80'61	14	19°13'45	10°89'76		
7430				12	11°61'93	13°69'92			7487				12	20°92'04	10°64'29		
7431				8	13°65'44	13°96'24			7488	9	9°97'67	21°92'49	18	21°40'24	10°10'81		
	86§	25°73'63	23°47'38				67°12'83	6°8	7489				9	21°55'48	10°85'75		
									7490	14	13°85'58	22°02'13	13	25°27'49	10°35'25		

1 *réseau* interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2312. 1894, Oct. 28.				Plate 2776. 1895, Aug. 6.				Plate 2312. 1894, Oct. 28.				Plate 1288. 1893, July 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
7491	66§	3°0184	23°2709	74§	14°3948	11°1718	67°1283 6·8	7541	22	18°5804	19°4425	21	7°1113	7°5574	67°1297 9·5
7492	8*	8°7797	23°1956	15	20°1533	11°3281		7542				5†	12°7460	7°3745	
7493	11	9°3761	23°3803	18	20°7418	11°5363		7543	7	14°0082	20°3684	6*	2°5831	8°6724	
7494				4	23°3692	11°2438		7544	7	14°4329	20°0234				
7495	16	13°7657	23°1010	22	25°1419	11°4297		7545	22	14°6301	20°8886	24	3°2259	9°1674	
7496				6	25°2645	11°7472		7546	10	18°2498	20°7574	9	6°8323	8°8841	
7497				9	18°9619	12°5953		7547	13	20°3929	20°2869	13	8°9532	8°3249	
7498	83§	9°8238	24°0716	80§	21°1620	12°2448	67°1288 7·0	7548	15	14°1949	21°2431	19	2°8041	9°5377	
7499	25	11°6379	23°9223	26§	22°9831	12°1694		7549	30§	14°7986	21°5371	32§	3°4187	9°8064	
7500	12	12°4735	23°9251	20	23°8139	12°2030		7550	5*	21°6448	21°7978	5†	10°2640	9°7869	
7501	11†	12°9746	23°9448	20	24°3138	12°2413		7551	39§	21°9397	21°4506	39§	10°5495	9°4268	67°1304 9·0
7502	25	13°3345	24°5493	23§	24°6525	12°8626		7552	50§	16°0826	22°7812	47§	4°7526	10°9969	67°1295 7·8
7503				16	17°0146	13°0586		7553	9†	19°9642	22°6345	7†	8°6220	10°6897	
7504				13	18°5054	13°7336		7554	25	22°1999	22°1823	22	10°8377	10°1489	67°1305 9·5
7505				4	18°5320	13°3203		7555	7*	24°4269	22°3119	9*	13°0697	10°1824	
7506	30	8°0542	25°5449	27§	19°3354	13°6496	67°1286 9·3	7556	8	25°1793	22°9703	16	13°8047	10°8129	
7507	5†	8°5745	25°1586	18	19°8722	13°2805		7557	12	14°7227	23°8261	12	3°4365	12°0964	
7508				5	20°0901	13°8351		7558	6	19°7304	23°0331	7	8°4052	11°0967	
7509				13	20°1261	13°8471		7559	36	19°7927	23°4421	35§	8°4861	11°5066	67°1302 8·8
7510				6	21°2738	13°7737		7560	18	22°7239	23°3149	21	11°4081	11°2568	
7511				5	21°8132	13°4066		7561				10	13°9786	11°3832	
7512				5	21°9002	13°1779		7562	6†	19°5627	24°0343	9*	8°2810	12°1060	67°1300 9·4
7513	2*	10°6356	24°9235	15	21°9441	13°1244		7563	14	19°7268	24°8419	16	8°4783	12°9051	
7514				14	23°7654	13°7778		7564	8*	16°9079	25°4047	10	5°6867	13°5845	
7515				10	24°1158	13°7864		7565	38	18°6833	25°1991	26§	7°4518	13°3045	67°1298 9·1
7516				7	24°6558	13°7029		7566	67§	18°7469	25°1431	71§	7°5137	13°2496	67°1299 7·5
	68§	11°9601	26°8791	73§	26°7248	2°8193	66°1371 8·2 67°1291 8·7					38§	7°1663	1°2474	66°1380 8·0
												21	1°6716	9°2281	67°1293 9·0 67°1294 9·2
								34	14°1379	25°8692					
R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup>								R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2312. 1894, Oct. 28.				Plate 1288. 1893, July 14.				Plate 2313. 1894, Oct. 28.				Plate 1288. 1893, July 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
7517	38§	15°0128	14°4363	46§	3°3391	2°7042	66°1371 8·2	7567	13	3°2883	14°5468	17	15°0791	2°3913	
7518	7	16°4142	14°6014					7568	6	6°2667	14°9140	8	18°0389	2°8762	
7519	23	17°3665	14°5433	27	5°6952	2°7134	66°1377 9·3	7569	10	7°7117	14°2334	9†	19°5104	2°2564	
7520	15	17°6440	14°2315	17	5°9624	2°3926		7570	4†	11°2848	14°0483				
7521	25	18°9247	14°2808	28	7°2420	2°3873		7571	16	13°2702	14°5932	20	25°0509	2°8325	66°1410 9·5
7522	15	19°4733	14°2304	19	7°7871	2°3130		7572	22	6°3324	15°9506	24	18°0654	3°9146	
7523	16	24°2351	14°9252	15	12°5725	2°8123		7573	10	10°3240	15°1015				
7524	17	14°3012	15°5649	18	2°6770	3°8606	66°1369 9·5	7574	3†	12°4665	15°9391				
7525	11	18°1020	15°5013					7575	4	13°2644	15°3207				
7526	8	18°4923	15°0312					7576	9	5°6215	16°4462	14	17°3364	4°3824	
7527	30§	23°1671	15°7387	27	11°5410	3°6685	66°1390 9·0	7577	14	6°6167	16°1908	25	18°3415	4°1666	
7528	14	23°7429	15°1402	15	12°0868	3°0461		7578	6	7°4937	16°2640	5*	19°2135	4°2732	
7529	21	15°1326	16°4501	21	3°5433	4°7110		7579	20	9°2810	16°7464	25	20°9824	4°8230	67°1316 9·3
7530	16	15°8207	16°8390	17†	4°2451	5°0712		7580	32§	7°2694	17°4207	49§	18°9446	5°4206	67°1313 9·0
7531	11	20°4563	16°5467					7581	23	10°6233	17°5005	32	22°2930	5°6337	
7532	9	15°2808	17°8158	16†	3°7472	6°0688		7582	9	12°3781	17°6119	7†	24°0427	5°8107	
7533	6	17°5756	17°7315					7583	19	5°0222	18°8634	20	16°6416	6°7739	
7534	6	20°2764	17°6381					7584	5	5°2614	18°7102	6	16°8855	6°6311	
7535	6*	24°3982	17°2560	11	12°8336	5°1351		7585	22	6°8569	18°8788	27	18°4743	6°8615	
7536	12	25°0697	17°4894	14	13°5101	5°3401		7586	17	8°1996	18°4106	22	19°8343	6°4481	
7537	10†	20°0965	18°6501	4†	8°5919	6°7012		7587	7	9°1761	18°5595	6*	20°8026	6°6325	
7538	24	21°5583	18°2691	23	10°0363	6°2618		7588	32§	9°9083	18°6380	34§	21°5324	6°7424	67°1318 9·1
7539	5	23°4692	18°6776	5*	11°9610	6°5909		7589	4	10°1625	18°9004	4	21°7743	7°0149	
7540	19	24°8790	18°4880	17	13°3635	6°3464	67°1306 9·5								

Plate 2312, B. D. 67° 1291. T Cephei, Variable.

No. 7554, B. D. 67° 1305. The declination given in the B. D. appears to be about 2' too large.

No. 7579, B. D. 67° 1316. The declination given in the B. D. appears to be about 2' too small.

No. 7581. This star is not given in the B. D., but is given as No. 3365 in the *A. G. (Christiania) Catalogue*. Mag. 9·5.

1 réseau interval represents very nearly 5' = 51·2 of R.A. at Dec. + 67°, and 53·4 at Dec. + 68°.

## ZONE + 67°.

R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°									
Plate 2313. 1894, Oct. 28.			Plate 1288. 1893, July 14.			Plate 2313. 1894, Oct. 28.			Plate 2870. 1895, Sept. 21.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
7590	11	10.4388	18.6600	11	22.0628	6.7805	°	m.	7641				8	4.6650	3.9660	°	m.	
7591	11	11.3332	18.0711	12	22.9785	6.2332			7642	9	16.2676	15.3211	12	4.6975	3.4206			
7592	19	13.3841	18.8628						7643				6	6.0406	3.1168			
7593	21	3.3964	19.0818	12	15.0071	6.9298			7644	11	19.4695	15.5613	22	7.9099	3.5308			
7594	25	3.7009	19.9791	18	15.2765	7.8335			7645				7	9.6886	3.8627			
7595	3†	9.4669	19.0216						7646				12	10.7930	3.0934			
7596	23§	10.1075	19.2413	38§	21.7068	7.3537	67 1320	8.6	7647				5	11.6846	3.4240			
7597	24§	10.2605	19.3779	24§	21.8559	7.4959			7648	8	23.4411	16.1201	16	11.8987	3.9300			
7598	23§	13.0250	19.7502	24	24.6035	7.9766			7649				8	12.9152	3.0776			
7599	24	2.9259	20.6255	20	14.4767	8.4508	67 1307	9.4	7650	22	24.5935	15.2727	31§	13.0149	3.0376	66 1426	9.4	
7600	16	2.9650	20.4362	11	14.5251	8.2652			7651				5	13.8256	3.5214			
7601	4*	3.9067	20.8937	5†	15.4430	8.7596			7652				12	4.3749	4.0797			
7602	10	10.5872	20.4388	9	22.1439	8.5656			7653				16	7.1461	4.0783			
7603	9	13.1141	20.0192	7*	24.6804	8.2505			7654	7	19.5433	16.8296	17	8.0354	4.7934			
7604	9	9.0027	21.2214	8†	20.5237	9.2877			7655	4*	21.8140	16.4531	15	10.2886	4.3254			
7605	5†	11.3037	21.3376	4*	22.8198	9.4933			7656				6	11.8237	4.7472			
7606	23	3.3631	22.7236	23	14.8293	10.5653	67 1308	9.3	7657	9	14.8045	17.3439	15	3.3234	5.5043			
7607	32	8.3202	22.5613	30§	19.7893	10.6010			7658	17	16.4046	17.1202	18	4.9079	5.2118			
7608	23	9.4257	22.0487	30	20.9143	10.1318			7659	3*	16.3816	17.7209	8	4.9108	5.8144			
7609	7	10.1737	22.2614	7	21.6507	10.3752			7660	6*	17.9120	17.1390	18	6.4178	5.1754			
7610	9	11.7719	22.3739	12	23.2482	10.5480			7661				11	7.3486	5.5344			
7611	8	13.4269	22.8780	14†	24.8790	11.1165			7662	26§	19.2035	17.6578	29§	7.7272	5.6356	67 1331	9.5	
7612	16	2.6687	23.2472	17	14.1164	11.0594			7663	23§	19.6259	18.0113	26§	8.1652	5.9725			
7613	12	4.5016	23.8343	16	15.9252	11.7232			7664	6	21.7268	17.7810	19	10.2539	5.6583			
7614	27	5.7094	23.4880	23	17.1466	11.4218	67 1311	9.4	7665				5	11.9169	5.5802			
7615	14	5.9035	23.7067	15	17.3288	11.6479			7666				12	12.5485	5.1157			
7616	18	8.6185	23.2884	17	20.0593	11.3357			7667	30§	25.0153	17.8470	35§	13.5390	5.5872	67 1348	9.0	
7617				12	20.1234	11.0805	67 1315	9.5	7668				7	13.5771	5.1661			
7618	17	8.7060	23.0798	11	20.1543	11.1289			7669				6	13.9344	5.1521			
7619	23	10.1026	23.7317	18	21.5232	11.8396	67 1319	9.5	7670	9	15.5411	18.0125	11	4.0844	6.1432			
7620	9	12.3741	23.4630	14	23.8047	11.6584			7671	5†	16.5144	18.7581	17	5.0867	6.8458			
7621	15	2.9076	24.5374	23	14.3036	12.3594			7672	2*	16.7682	18.8283	8	5.3454	6.9068			
7622	30	5.9626	24.2906	30	17.3663	12.2359	67 1312	9.2	7673	24	18.0880	18.2805	28§	6.6399	6.3077	67 1327	9.5	
7623	78§	12.6147	24.1765	76§	24.0188	12.3832	67 1322	7.3	7674				15	6.9142	6.3312			
7624	17	5.5326	25.4231	17	16.8910	13.3514			7675				4	7.9050	6.1488			
7625	8†	6.2082	25.3152	16	17.5687	13.2655			7676	20	22.6415	18.8932	29§	11.2153	6.7303	67 1338	8.9	
7626	25	9.9495	25.1219	23	21.3166	13.2228	67 1317	9.3	7677				4	12.4435	6.9809			
7627	6*	12.5334	25.7019	13	23.8761	13.9003			7678				13	12.7305	6.4609			
7628	26	13.3268	25.2620	26	24.6856	13.4953	67 1323	9.5	7679				19	13.1977	6.3598			
7629	40§	13.8868	25.1720	38§	25.2464	13.4288	67 1324	8.5	7680	32	24.6406	18.7509	33§	13.2050	6.5097	67 1345	9.0	
	21	4.6544	27.1410				67 1310	9.0	7681	7	24.7591	18.8733	24	13.3267	6.6246			
R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup>									7682				6	13.5214	6.0644			
Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°			7683				12	3.4144	7.7304			
Plate 2313. 1894, Oct. 28.			Plate 2870. 1895, Sept. 21.			Plate 2313. 1894, Oct. 28.			7684	15	15.7644	19.2879	17	4.3643	7.4059			
7630	25	21.1395	13.9881	23	9.5144	1.8888	°	m.	7685	4†	16.3912	19.0101	17	4.9751	7.1040			
7631	20	15.7180	14.1304	24	4.1038	2.2591	66 1413	9.5	7686	26	18.1632	19.8898	28§	6.7792	7.9104	67 1328	9.3	
7632	25	17.0170	14.3698	35	5.4106	2.4405			7687	22	18.8435	19.2543	25§	7.4340	7.2488			
7633	22	18.8971	14.5808	25	7.2958	2.5733			7688				3	8.3826	7.1270			
7634	26	19.7154	14.0296	27	8.0919	1.9893			7689				8	8.9998	7.1629			
7635	15	20.0398	14.2784	19	8.4256	2.2219			7690				5	10.1138	7.0289			
7636	21	21.7549	14.9106	21	10.1648	2.7874			7691	9	22.4559	19.8987	21	11.0659	7.7407			
7637	20	25.3332	14.6307	24	13.7271	2.3598			7692	6	22.6842	19.5510	22	11.2842	7.3827			
7638	13	14.1871	15.5023	16	2.6277	3.6891			7693	9	23.0183	19.8513	23	11.6269	7.6737	67 1341	9.5	
7639	9	15.9533	15.3099	10	4.3854	3.4221			7694	4*	23.0640	19.4569	15	11.6570	7.2755			
7640	7†	15.9783	15.1148	7	4.4037	3.2307			7695	4*	24.0217	19.3393	20	12.6077	7.1218			
									7696				4	13.1336	7.6490			
									7697	19	15.3667	20.4953	26§	4.0116	8.6293	67 1326	9.2	
									7698				5	5.8068	8.6283			
									7699				9	8.5071	8.7050			

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2313. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.				Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2313. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.</									

Nos. 7757, to 7761. It is doubtful which of these stars should be identified with B. D. 67° 1342.

Nos. 7773, 7774. B. D. 67° 1335, 1336. The declination of both these stars given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.				Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
7809	12	6.7624	16.3691	16	18.4124	4.3583	°	7868	8	12.2842	20.2162	9	23.7760	8.4222	°
7810	6†	7.1047	16.0548	9†	18.7663	4.0593	m.	7869	21§	12.5290	20.4398	22	24.0159	8.6585	
7811	6*	7.1814	16.5837	9†	18.8209	4.5919		7870	3†	12.5723	20.8903	7*	24.0777	8.1082	
7812	13	8.9245	15.9339	17	20.5868	4.0129		7871	8	13.2324	20.7773	10*	24.7429	8.0206	
7813	14	9.1120	16.7881	13	20.7425	4.8727		7872	13	13.8526	20.1345	14	25.3477	8.4051	
7814	13	12.0831	16.5106	12	23.7193	4.7136		7873				9	14.2263	9.1005	
7815	15§	12.9458	16.2672	18	24.5954	4.5011		7874	19	3.1868	21.5809	21	14.6348	9.4290	
7816	4†	13.2202	15.9723	7*	24.8782	4.2177		7875				8	15.0267	9.7682	
7817	6	13.4203	16.8531	8*	25.0835	4.1087		7876	6*	3.8099	21.5844	17	15.2553	9.4546	
7818	5	13.9178	16.6395	4*	25.5484	4.9151		7877	32§	4.4854	21.9267	30§	15.9162	9.8227	67 1353
7819	11	2.5893	17.8249	15	14.1840	5.6504		7878	6	5.4611	21.4911	18	16.9060	9.4299	9.2
7820	11	3.0233	17.2179	19	14.6405	5.0618		7879				5	17.0229	9.7344	
7821	4*	3.9321	17.3656	5*	15.5415	5.2460		7880				6	17.2232	9.7688	
7822				5	16.5407	5.7741		7881				4	17.3106	9.4485	
7823	10	5.1177	17.3805	15	16.7298	5.3063		7882	6†	7.5950	21.2921	16	19.0467	9.3110	
7824				4	16.9476	5.7430		7883	13	7.9052	21.2501	17	19.3645	9.2820	
7825	5*	5.5505	17.2088	8†	17.1652	5.1513	67 1357	7884	16	8.8136	21.2463	16	20.2705	9.3188	
7826	58§	6.3403	17.4658	50§	17.9447	5.4384	8.1	7885				4†	20.9032	9.4734	
7827	15	7.3822	17.9284	16	18.9664	5.9421		7886	12	9.7028	21.6086	11	21.1421	9.7102	
7828	9	7.7599	17.8139	12	19.3498	5.8453		7887	31	9.7055	21.5082	31§	21.1512	9.6111	67 1360
7829	4	9.8868	17.8809	9*	21.4751	5.9937		7888	3*	10.6182	21.3669	4*	22.0686	9.5052	9.5
7830	5	11.0036	17.6492	11	22.5996	5.8062		7889	35§	10.8394	21.5895	35§	22.2842	9.7390	67 1365
7831	7	12.0778	17.1669	7†	23.6930	5.3687		7890	33§	10.9502	20.8508	32§	22.4223	9.0057	67 1366
7832	14	12.5714	17.0606	16	24.1892	5.2792		7891	10	11.2844	20.9947	13	22.7460	9.1594	
7833	15	13.6956	17.6319	24	25.2899	5.8956		7892	18	11.3047	21.0140	18	22.7665	9.1793	
7834				6	14.3293	6.0618		7893	14	13.5940	21.3079	14	25.0392	9.5607	
7835				5	14.4842	6.2906		7894	3	13.7019	21.2633	5*	25.1534	9.5260	
7836	7*	3.5457	8.5045	14	15.1127	6.3701		7895	25§	2.7193	22.8359	26§	14.1156	10.6622	67 1350
7837				4	16.0926	6.1994		7896				6	14.8353	10.6998	9.5
7838				6	16.9005	6.4408		7897				10	15.8178	10.7805	
7839	28§	5.5129	19.0470	28§	17.0544	6.9902	67 1355	7898	19	5.7045	22.8103	21§	17.1031	10.7579	
7840	8	6.0819	18.2030	8	17.6564	6.1651	9.5	7899	14	7.5051	22.7008	21	18.9039	10.7175	
7841	6*	6.6471	18.6272	10	18.2098	6.6122		7900	35§	7.9553	22.6314	34§	19.3560	10.6681	67 1359
7842	9	6.9129	18.4628	11	18.4832	6.4593		7901	14	8.3443	22.7030	20	19.7442	10.7526	8.9
7843	12	9.7727	18.8289	17	21.3243	6.9375		7902				9	19.8890	10.3058	
7844	3†	10.4470	17.9447	7	22.0266	6.0820		7903	3*	10.6287	22.2340	5	22.0422	10.3734	
7845	5	12.2226	18.0810	9*	23.7967	6.2875		7904	24	11.4772	22.6701	18§	22.8752	10.8411	
7846	7*	2.6224	19.8620	12	14.1354	7.6886		7905	15	11.6827	22.4518	19	23.0852	10.6309	
7847				5†	15.9107	7.1316		7906	3*	12.9234	21.9865	5*	24.3468	10.2174	
7848	3*	4.4552	19.1666	5	15.9949	7.0695		7907	5*	12.9613	22.1452	6*	24.3769	10.3777	
7849	12	4.4767	19.8605	12	15.9895	7.7590		7908				11	14.6274	11.2222	
7850	10†	5.0115	19.8721	14	16.5249	7.7909		7909	52§	4.1944	23.5444	42§	15.5635	11.4281	67 1352
7851				4	18.5076	7.8907		7910				9	16.9732	11.7269	9.0
7852	9	7.7858	19.3527	11	19.3170	7.3856		7911				6	18.3161	11.5114	
7853	4†	8.9011	18.9551	4	20.4423	7.0306		7912	4*	7.8452	23.1697	11	19.2233	11.1997	
7854	5†	9.5480	18.9773	9†	21.0916	7.0748		7913				6	20.6018	11.4333	
7855	29§	9.7844	19.3112	28	21.3142	7.4192	67 1361	7914	51§	10.3182	23.6146	53§	21.6769	11.7397	67 1362
7856	20	10.1022	19.2673	26	21.6334	7.3902	9.3	7915	34§	10.9533	23.6207	24§	22.3145	11.7703	67 1364
7857	18§	11.1518	19.5154	21§	22.6741	7.6783		7916				7	22.4464	11.6594	
7858	3*	11.8120	18.9492	5†	23.3528	7.1390		7917	31§	11.6241	23.5531	22§	22.9870	11.7312	
7859	3†	12.1265	18.9207	4†	23.6708	7.1200		7918	10	11.8646	23.2201	11	23.2380	11.4087	
7860	4	12.9128	18.7869	6†	24.4614	7.0186		7919				4	23.4947	11.1730	
7861	11	3.9731	20.8266	14	15.4443	8.7089		7920				12	14.7876	12.8499	
7862				9	15.7141	8.4069		7921				5	16.8229	12.8835	
7863	7†	5.5305	20.3468	9	17.0232	8.2880		7922	7*	5.7321	24.9519	15	17.0437	12.8996	
7864	3†	6.6277	20.6739	4	18.1077	8.6536		7923	4*	6.1932	24.4067	6	17.5244	12.3678	
7865	3†	7.0706	20.2379	5	18.5658	8.2397		7924				4	18.1918	12.7988	
7866	7†	8.5772	20.0904	10	20.0719	8.1504		7925				4	18.5180	12.2087	
7867	9	12.1559	20.1954	11	23.6530	8.4005		7926				4	19.2067	12.2896	

No. 7889, B. D. 67° 1365. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.				Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2316. 1894, Oct. 28.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2354. 1894, Nov. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 51".2 of R.A. at Dec. + 67°, and 53".4 at Dec. + 68°.

ZONE +  $67^{\circ}$ .

R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		Centre		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°	
Plate 2316. 1894, Oct. 28.					Plate 2354. 1894, Nov. 18.		Plate 2316. 1894, Oct. 28.					Plate 2354. 1894, Nov. 18.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
8029	6	14°9656	20°7267	5*	3°5746	8°8251	8088				10	7°7107	13°7675
8030	8	17°0385	20°3211	6	5°6305	8°3357	8089				4	10°2759	13°2977
8031	8	17°6000	20°9613	9	6°2174	8°9525	8090				4	10°3031	13°7849
8032	13	17°6624	20°0153	14	6°2392	8°0015	8091				9	12°0335	13°7560
8033	8*	19°2304	20°1960	8	7°8114	8°1171	8092				13	12°9552	13°8655
8034	9	19°3959	20°6103	12	7°9966	8°5265	8093				12	13°0284	13°6727
8035	33§	19°4529	20°2299	38§	8°0376	8°1451					43§	1°9133	0°9648
8036	10	21°7565	20°9853	12	10°3690	8°8064					38	2°7596	1°2132
8037	21	23°3740	20°3997	24	11°9609	8°1541	8088						
8038				4	12°1485	8°8961	65§	15°0357	26°2395	23°4365			
8039				12	12°3763	8°0484							
8040	10	14°5289	21°4890	9	3°1718	9°6048							
8041	47§	14°8345	21°4418	50§	3°4713	9°5468							
8042	64§	15°0651	21°5499	57§	3°7072	9°6451							
8043	16	16°5845	21°6818	15	5°2325	9°7155							
8044	28§	16°9692	21°2958	29§	5°6013	9°3140							
8045	6†	18°3014	21°7405	6	6°9516	9°7022							
8046	38§	20°0466	21°3553	30§	8°6773	9°2456							
8047	10	21°2627	21°1832	12	9°8834	9°0256							
8048	12	21°4154	21°3504	12	10°0442	9°1839							
8049	17	21°7865	21°6772	17	10°4289	9°4955							
8050	10	24°5799	21°9057	13	13°2281	9°6071							
8051				4	13°6135	9°5630							
8052	17	15°0692	22°8802	19	3°7663	10°9719							
8053	11	15°3667	22°5892	12	4°0512	10°6681							
8054	11	16°3234	22°3324	14	4°9987	10°3758							
8055	18	16°8770	22°6584	22	5°5633	10°6766							
8056	39§	19°4035	22°6644	36§	8°0868	10°5811							
8057	13	20°0872	22°4905	14	8°7674	10°3793							
8058	10	20°5956	22°5248	11	9°2725	10°3925							
8059	24	21°2052	22°6561	21	9°8878	10°4962							
8060				6	12°1239	10°8342							
8061				5	12°6604	10°7846							
8062	15	24°3044	22°5119	19	12°9787	10°2256							
8063	11†	24°6179	22°5516	18	13°2928	10°2552							
8064	74§	24°7140	22°4889	54§	13°3857	10°1864							
8065	22	14°6648	23°4727	21	3°3874	11°5811							
8066	21	15°5989	23°6599	21	4°3278	11°7296							
8067	3†	16°2816	23°6820	5	5°0116	11°7262							
8068	9	18°4366	23°3489	12	7°1485	11°3014							
8069	4*	18°6589	23°7790	6	7°3898	11°7244							
8070				4	8°2810	11°9404							
8071				4	8°7427	11°1109							
8072	8	20°2854	23°7600	15	9°0157	11°6382							
8073	4*	20°5135	23°3494	8	9°2218	11°2178							
8074				12	9°8390	11°5072							
8075				4	10°7440	11°2052							
8076				4	11°0422	11°1538							
8077				9	11°6719	11°5651							
8078	24	14°8692	23°9309	30	3°6126	12°0281							
8079	4*	15°1851	24°7439	9	3°9603	12°8296							
8080	4*	17°5442	24°0407	9	6°2862	12°0321							
8081				8	8°6715	12°0713							
8082				9	8°6768	12°0621							
8083	34§	14°0455	25°6962	35§	2°8599	13°8279							
8084	28	14°5358	25°3989	29	3°3371	13°5121							
8085	28	14°8976	25°5209	25	3°7057	13°6178							
8086	17	16°4489	25°8735	20	5°2669	13°9060							
8087	30	18°1472	25°6510	30§	6°9569	13°6136							

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup>						
Centre		R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°	
Plate 2331. 1894, Nov. 6.					Plate 2354. 1894, Nov. 18.	
No.	Diam.	x.	y.	Diam.	x.	y.
8094	6	7°2420	13°9866			
8095	15	2°5038	14°2080	6*	14°2984	1°9085
8096	9	4°3157	14°6492			
8097	9	4°3962	14°7651			
8098	23	4°9642	14°0523	15	16°7647	1°8513
8099	4	5°1294	14°7993			
8100	9	5°2574	14°4036			
8101	10	5°5374	14°5355			
8102	13	5°7654	14°6566			
8103	47§	5°9444	14°6391	52§	17°7209	2°4748
8104	10	6°0650	14°9359			
8105	8	6°4102	14°8490			
8106	18	6°5670	14°5230	8†	18°3494	2°3856
8107	19	7°3951	14°0971	10	19°1910	1°9946
8108	6	7°4115	14°5854			
8109	7	7°6259	14°5707			
8110	10	8°9824	14°9839			
8111	10	10°1958	14°0229			
8112	15	11°0448	14°2071			
8113	9	11°7657	14°2658			
8114	3	11°7660	14°2823			
8115	16	11°8379	14°6800			
8116	8	13°1428	14°6902			
8117	11	13°2051	14°0089			
8118	17	13°6626	14°7625			
8119	35§	4°1545	15°0515	37§	15°9175	2°8168
8120	12	4°2987	15°3397			
8121	9	4°7964	15°4931			
8122	10	4°8955	15°9099			
8123	18	5°7582	15°4512	10*	17°4998	3°2808
8124	13	6°0636	15°3355			
8125	18	6°3233	15°8561	12	18°0514	3°7066
8126	9	7°2964	15°2598			
8127	10	7°5119	15°6154			
8128	22§	7°5421	15°8491	17	19°2697	3°7481
8129	6	7°6378	15°0990			
8130	12	7°8594	15°9474			
8131	21	7°9255	15°3081	14	19°6733	3°2251
8132	14	8°8351	15°4767			
8133	21	9°1526	15°0119	14*	20°9117	2°9749
8134	9	9°5030	15°4746			
8135	8	9°8014	15°7222			

No. 8044, B.D. 67° 1376. The declination given in the B.D. appears about 2' too small.

\* *réseau* interval represents very nearly  $\zeta' = 51^{\text{h}} 52^{\text{m}}$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{h}} 4^{\text{m}}$  at Dec.  $+ 68^{\circ}$ .



## ZONE + 67°.

B. D.								B. D.								
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
No. Mag.								No. Mag.								
R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				
Plate 2331. 1894, Nov. 6.				Plate 2354. 1894, Nov. 18.				Plate 2331. 1894, Nov. 6.				Plate 2354. 1894, Nov. 18.				
8136	6	9°8031	15°0813				°	8195	7	7°0902	18°9096	2*	18°6955	6°7912	°	
8137	36§	9°9402	15°0508	38	21°6991	3°0424	66 1478	9°4	8196	12	7°0950	18°9192	6†	18°7001	6°7961	m.
8138	9	10°6876	15°4524						8197	19	7°2624	18°9209	13	18°8689	6°8054	
8139	8	11°0178	15°7660						8198	32§	7°3036	18°8343	31§	18°9115	6°7207	67 1399
8140	11	11°0238	15°8544						8199	11	7°8898	18°9056	7	19°4963	6°8165	9°5
8141	12	11°3923	15°9267						8200	10	9°0037	18°4985	6*	20°6260	6°4529	
8142	19	12°1167	15°9157						8201	9	10°0910	18°0661				
8143	6	12°4662	15°3453						8202	14	10°8027	18°9250				
8144	8	12°7265	15°4616						8203	26	10°9562	18°4148	10	22°5762	6°4491	
8145	4	13°4619	15°2040						8204	29§	11°4585	18°4892	22	23°0773	6°5439	
8146	6	5°1832	16°6817						8205	28§	11°5313	18°6839	16	23°1443	6°7393	
8147	9	5°4850	16°2751						8206	9	11°5321	18°2598				
8148	9	5°5687	16°6377						8207	9	11°5918	18°1415				
8149	6	5°9328	16°5463						8208	30§	11°8195	18°3426	20	23°4448	6°4117	
8150	9	6°2085	16°0764						8209	7	12°8108	18°2740				
8151	9	6°9842	16°1661						8210	17	12°8264	18°2204				
8152	4	7°4682	16°6699						8211	4	13°3375	18°4662				
8153	6	7°4727	16°3030						8212	28	2°7424	19°1137	23	14°3399	6°8189	
8154	9	7°9481	16°7345						8213	22	2°9547	19°3414	14	14°5437	7°0559	
8155	20	8°0050	16°7568	16	19°6966	4°6753			8214	10†	3°0059	19°7817	3†	14°5792	7°4977	
8156	32§	8°8384	16°7306	30	20°5295	4°6814	67 1403	9°5	8215	18	3°0854	19°4460	12	14°6719	7°1655	
8157	3	9°3265	16°7812						8216	18	4°9139	19°0995	9	16°5119	6°8894	
8158	9	9°5413	16°4949						8217	5†	5°6324	19°7337	2*	17°2068	7°5536	
8159	6	9°7274	16°9067						8218	7	5°9004	19°8315				
8160	6	9°7650	16°5914						8219	17	5°9536	19°3199	4*	17°5410	7°1514	
8161	9	9°8233	16°5316						8220	9	7°3496	19°3599				
8162	34§	9°8442	16°7580	39§	21°5338	4°7471			8221	18	7°6190	19°2980	6	19°2066	7°1950	
8163	56§	9°8761	16°6895	60§	21°5708	4°6782	67 1409	8°0	8222	15	8°1861	19°0415				
8164	8	10°0032	16°7016						8223	8	8°2799	19°7652				
8165	37§	10°2080	16°7110	36	21°8991	4°7164	67 1410	9°0	8224	6	8°4197	19°5220				
8166	12	10°7112	16°6475						8225	28§	8°6204	19°3244	19	20°2093	7°2649	
8167	9	10°7819	16°6966						8226	9	9°0720	19°1968				
8168	19	11°7102	16°3782	7†	23°4153	4°4435			8227	4	10°2506	19°4927				
8169	12	12°9023	16°5322						8228	29§	10°4039	19°3007	22§	21°9942	7°3108	
8170	18	13°2941	16°7781	4*	24°9841	4°9057			8229	6	10°4426	19°9999				
8171	8	13°7234	16°6175						8230	8	10°8375	19°8126				
8172	18	2°4844	17°6748	13	14°1398	5°3730			8231	14	11°6553	19°4260				
8173	11	3°0949	17°3003						8232	9	11°6637	19°5337				
8174	31§	3°3944	17°7317	23	15°0490	5°4644			8233	5	11°7301	19°0306				
8175	13	4°6397	17°7492	8	16°2921	5°5313			8234	4	11°9058	19°4644				
8176	21	5°3065	17°5663	12	16°9696	5°3759			8235	15	11°9262	19°8941				
8177	19	5°5189	17°0154	11	17°2016	4°8315			8236	15	12°3437	19°0518				
8178	36§	5°6181	17°0007	34§	17°2999	4°8212	67 1394	9°2	8237	12	13°9584	19°9203				
8179	38§	5°8375	17°7262	38§	17°4913	5°5548	67 1395	9°2	8238	10	3°4165	20°2999	8†	14°9712	8°0313	
8180	4	7°1827	17°2662						8239	32§	3°4901	20°2584	28§	15°0457	7°9941	67 1388
8181	29§	7°2909	17°1640	26§	18°9666	5°0511	67 1397	9°5	8240	5	3°9179	20°5323				9°5
8182	29§	8°6802	17°2767	22	20°3506	5°2214			8241	21	5°1891	20°7992	21	16°7204	8°5994	
8183	6	10°8717	17°6063						8242	10	7°1893	20°9297				
8184	34§	11°2155	17°1551	31§	22°8879	5°1987	67 1412	9°2	8243	16	7°3591	20°2776	5†	18°9091	8°1649	
8185	9	11°3967	17°4955						8244	20	8°1200	20°1792	8	19°6743	8°0997	
8186	6	11°7213	17°9216						8245	4	8°3538	20°3364				
8187	9	13°1519	17°3136						8246	23	8°7918	20°6196	9	20°3275	8°5689	
8188	6	13°2209	17°5258						8247	4	8°8240	20°9337				
8189	11	3°2300	18°2873	6*	14°8593	6°0148			8248	12	9°3805	20°7714	4*	20°9116	8°7405	
8190	40§	3°4772	18°9747	33§	15°0812	6°7025	67 1389	9°5	8249	4	9°5178	20°8245				
8191	9	4°2736	18°3685						8250	15	10°5362	20°1159				
8192	23	4°9340	18°9610	13	16°5392	6°7531			8251	6	10°7649	20°4827				
8193	4	5°5718	18°3576						8252	2	10°8686	20°0125				
8194	14	5°7406	18°5013	6	17°3635	6°3275			8253	4	11°0112	20°2368				

## ZONE + 67°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 2331. 1894, Nov. 6.				Plate 2354. 1894, Nov. 18.				Plate 2331. 1894, Nov. 6.				Plate 2354. 1894, Nov. 18.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .</					



## ZONE + 67°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					
Plate 2331. 1894, Nov. 6.				Plate 2354. 1894, Nov. 18.				Plate 2331. 1894, Nov. 6.				Plate 3239. 1896, Sept. 9.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
8372	6	5°7654	25°4928	4	17°1078	13°3136	°	m.	8422	15	20°7489	15°1539	13	8°9971	3°1277	°	m.
8373	7	7°4267	25°5256	5	18°7650	13°4125			8423	7	21°0454	15°2682					
8374	36§	7°6356	25°8419	31§	18°9675	13°7348	67 1400	9·5	8424	12	21°2557	15°4720	6	9°5155	3°4231		
8375	6	8°1434	25°1721	4	19°4993	13°0892			8425	6	21°6785	15°2675	4*	9°9312	3°2035		
8376	5†	8°8288	25°7847						8426	6	21°7753	15°4829	3*	10°0379	3°4175		
8377	16	9°1809	25°7606	9	20°5100	13°6186			8427	5	21°8665	15°6373					
8378	27	9°5591	25°3460	30	20°9063	13°3166	67 1407	9·5	8428	8	21°8702	15°2130	5	10°1200	3°1414		
8379	19	9°6499	25°6395	13	20°9853	13°6118			8429	7	22°0620	15°8697					
8380	30	9°7607	25°1545	20	21°1148	13°1324			8430	20	22°8598	15°4375	17	11°1165	3°3228		
8381	5†	10°4980	25°5356						8431	6	22°8985	15°3897	4	11°1517	3°2735		
8382	18	10°7999	25°1996	13	22°1538	13°2213			8432	12	23°3639	15°9845	7	11°6386	3°8477		
8383	21	10°9849	25°6803	15	22°3150	13°7096			8433	10	23°9125	15°2090	5	12°1605	3°0514		
8384	9	11°4558	25°2797	9	22°8041	13°3287			8434	9†	24°6317	15°9053	5	12°9074	3°7155		
8385	32§	11°7202	25°4510	21	23°0565	13°5098	67 1413	9·5	8435	4†	24°9217	15°9177	11†	13°1972	3°7164		
8386	18	11°7610	25°4798	11	23°1065	13°5394			8436	15	24°9749	15°9119	11	13°2493	3°7078		
8387	13	12°3911	25°8735						8437	7	14°5424	16°8485					
8388	68§	4°9197	26°1609	43§	16°2415	13°9439	67 1391	8·8	8438	13	14°9200	16°5515	7	3°2318	4°7674		
8389	26	7°6871	26°0087	16	19°0075	13°9057	67 1401	9·5	8439	25§	16°7358	16°8795	25§	5°0576	5°0180		
									8440	4	17°1097	16°0002					
	71§	1°9184	22°5185				67 1384	8·4	8441	6	18°6038	16°7810					
	59§	9°1041	26°3335				67 1405	7·9	8442	11	18°6379	16°6805	8	6°9501	4°7427		
R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup>								8443	5	22°9055	16°8671	3*	11°2230	4°7504			
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				8444	16	23°1997	16°9605	12	11°5197	4°8286			
Plate 2331. 1894, Nov. 6.				Plate 3239. 1896, Sept. 9.				8445	8	23°3502	16°2852	4*	11°6399	4°1500			
8390	9	14°3996	14°3955				°	m.	8446	13	23°8441	16°9141	7	12°1612	4°7566		
8391	11	15°5980	14°5466						8447	28§	25°4159	16°5309	17§	13°7143	4°3066		
8392	5	15°7841	14°6678						8448	13	14°0561	17°1247	5†	2°3953	5°3774		
8393	19§	16°4544	14°7138	18	4°6889	2°8665			8449	7	14°5910	17°1271	4*	2°9288	5°3566		
8394	28§	16°5862	14°4726	31	4°8088	2°6230	66 1491	9·4	8450	16	14°7523	17°4839	18	3°1023	5°7057		
8395	7	17°9297	14°9351						8451	4	15°2068	17°6057					
8396	4	18°0690	14°2582						8452	13	15°3661	17°7635	9	3°7285	5°9583		
8397	3	18°1606	14°4185						8453	7	15°4821	17°4215					
8398	10	18°6643	14°5148	8	6°8869	2°5764			8454	26§	15°8920	17°0292	22	4°2203	5°2042		
8399	6	18°6645	14°4439						8455	5	16°1489	17°2537					
8400	24§	18°9742	14°4938	23	7°1940	2°5423	66 1494	9·5	8456	9	16°1721	17°5447	4†	4°5230	5°7069		
8401	6	19°2351	14°2281	3	7°4444	2°2652			8457	4	16°3749	17°7780					
8402	14	19°6012	14°0568	9	7°8068	2°0810			8458	4	16°9725	17°0292					
8403	5	19°7680	14°3088						8459	10	17°5784	17°7285	6*	5°9332	5°8300		
8404	6	20°3944	14°6290						8460	6	17°7696	17°8220	4†	6°1302	5°9183		
8405	4	20°5956	14°1506						8461	14	18°4439	17°1685	14	6°7776	5°2380		
8406	20	20°7742	14°2133	15	8°9798	2°1864			8462	14	18°4728	17°3549	10	6°8145	5°4237		
8407	32§	21°0417	14°0842	25	9°2414	2°0453	66 1499	9·3	8463	4	18°6953	17°2631					
8408	10	21°5245	14°2241	16	9°7325	2°1650			8464	4	18°8365	17°5403					
8409	9	21°7629	14°1072	2*	9°9665	2°0379			8465	4	19°2298	17°8423					
8410	10	24°0567	14°8041	6	12°2879	2°6406			8466	12	19°3217	17°5550	8	7°6695	5°5848		
8411	9*	25°5251	14°3371	6*	13°7380	2°1116			8467	6	19°5978	17°8692					
8412	10	14°4717	15°1534						8468	13	20°1257	17°5251	10	8°4705	5°5230		
8413	4	14°5430	15°5659						8469	13	20°2157	17°8363	13	8°5738	5°8307		
8414	12	15°6869	15°5260	5	3°9579	3°7121			8470	12	20°2238	17°4305	11	8°5645	5°4225		
8415	6	17°6673	15°4418						8471	20§	21°4269	17°5260	15	9°7710	5°4685		
8416	4	18°2955	15°1183						8472	6	22°2957	17°7371	4*	10°6499	5°6476		
8417	4	18°5246	15°3670						8473	10	22°5854	17°3125	7	10°9199	5°2052		
8418	29§	18°9327	15°7561	24§	7°2028	3°8047	66 1495	9·5	8474	10	23°3089	17°0102	6	11°6316	4°8755		
8419	6	19°8565	15°3592						8475	14	23°8054	17°6557	8	12°1554	5°4992		
8420	4	20°3359	15°0558						8476	20	24°7358	17°1512	13	13°0623	4°9561		
8421	6	20°4476	15°9445						8477	18	14°1745	18°4144	10	2°5657	6°6603		
									8478	3	14°9180	18°2650					
									8479	3	15°0234	18°7352					
									8480	4	15°3828	18°9247					

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre		R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			Centre		R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°			R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°		
Plate 2331. 1894, Nov. 6.		Plate 3239. 1896, Sept. 9.					Plate 2331. 1894, Nov. 6.		Plate 3239. 1896, Sept. 9.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly  $5' = 51^{\circ}2$  of R.A. at Dec. + 67°, and  $53^{\circ}4$  at Dec. + 68°.



## ZONE + 67°.

R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			
Plate 2331. 1894, Nov. 6.				Plate 3239. 1896, Sept. 9.				Plate 2397. 1894, Nov. 25.				Plate 3239. 1896, Sept. 9.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
8599	6	14.5151	23.8760	4*	3.1342	12.1010		8652	40§	6.5491	14.3331	37§	18.2139	2.3702	66° 15' 10"
8600	4	15.4991	23.0734					8653	5	6.6327	14.1424	5	18.3042	2.1832	9.0
8601	6	16.7214	23.3855	4†	5.3152	11.5216		8654	4	6.8193	14.2315	4†	18.4875	2.2788	
8602	4†	17.2778	23.6275					8655	7	10.7839	14.9474	10	22.4211	3.1502	
8603	7	17.5828	23.9594	5	6.1988	12.0570		8656	3	11.0324	14.8665	3†	22.6756	3.0776	
8604	24	17.7466	23.4836	14	6.3421	11.5745		8657	4	11.1924	14.6979	4†	22.8402	2.9145	
8605	6	19.7934	23.3885					8658	41§	11.2679	14.2488	54§	22.9342	2.4657	66 15 18
8606	10	20.3488	23.3499	6	8.9398	11.3353		8659	10	11.3198	14.0549	6	22.9907	2.2768	9.0
8607	10	21.0419	23.1517	5*	9.6218	11.1050		8660	4	11.8200	14.8975	4†	23.4594	3.1380	
8608	11	21.2672	23.9509	6	9.8810	11.8947		8661	6	13.5343	14.3528				
8609	6*	22.2745	23.7461	2*	10.8816	11.6515		8662	4†	3.2025	15.0299				
8610	40§	22.8007	23.9194	20	11.4097	11.7975		8663	26	3.3268	15.3003	22	14.9594	3.2139	66 15 04
8611	33§	23.1009	23.9058	16	11.7109	11.7727		8664	3	4.9310	15.0514	4†	16.5720	3.0230	9.5
8612	18	24.7818	23.3282	10	13.3674	11.1249		8665	14	6.2413	15.6795	18	17.8536	3.7042	66 15 09
8613	21	14.5124	24.0429	12	3.1379	12.2667		8666	10	6.9268	15.6637	9	18.5405	3.7148	9.5
8614	4†	14.5244	24.8168					8667	7	8.3517	15.9463	8	19.9528	4.0521	
8615	23	15.0055	24.1147	14	3.6321	12.3180		8668	6	8.5574	15.8367	7	20.1612	3.9536	
8616	14	15.1983	24.3951	11	3.8354	12.5924		8669	20	9.1500	15.8219	20	20.7564	3.9564	
8617	10	17.1318	24.1238	6	5.7554	12.2430		8670	5	10.9182	15.0974	6	22.5521	3.3038	
8618	41§	18.2314	24.0872	29§	6.8530	12.1578	67 14 24	8671	55§	13.0966	15.1197	69§	24.7288	3.4073	66 15 22
8619	16	18.7747	24.3441	11	7.4072	12.3930	9.2	8672	3	13.5787	15.2540				7.4
8620	7†	19.2867	24.9407	4	7.9456	12.9637		8673	6	13.5891	15.2534				
8621	10	21.7488	24.8908	6	10.4019	12.8146		8674	23	6.0849	16.9105	21	17.6500	4.9259	
8622	30§	22.0959	24.2740	19§	10.7211	12.1817		8675	5†	7.9935	16.7168	6	19.5637	4.8100	
8623	60§	22.2528	24.9998	27§	10.9101	12.8967	67 14 28	8676	15	9.5934	16.0927	22	21.1885	4.2454	66 15 15
8624	37	23.2992	24.8827	18§	11.9498	12.7374	9.4	8677	21	9.6720	16.5137	24	21.2508	4.6680	9.5
8625	11	14.2031	25.7382	8	2.8998	13.9780		8678	4†	12.9381	16.4453				
8626	7	14.3294	25.6186	5	3.0205	13.8540		8679	13	4.5831	17.8284	13	16.1125	5.7867	
8627	11	15.9070	25.6350	7*	4.5942	13.8003		8680	8	6.3773	17.8121	10	17.9091	5.8387	
8628	4*	16.3306	25.8083					8681	13	6.6326	17.4896	14	18.1787	5.5266	
8629	7	16.5980	25.0832	6	5.2611	13.2187		8682	4	6.8766	17.6361	5	18.4149	5.6835	
8630	10	17.1853	25.7548	8	5.8787	13.8692		8683	5	8.1839	17.0192	6	19.7424	5.1179	
8631	16	17.3563	25.8489	13	6.0511	13.9545		8684	10	8.5042	17.1769	13	20.0597	5.2874	
8632	25§	17.6228	25.3335	16§	6.2988	13.4295		8685	6†	9.7856	17.9130	6	21.3108	6.0721	
8633	24§	17.9010	25.1779	15§	6.5698	13.2629		8686	21	9.7893	17.6367	22	21.3248	5.7962	
8634	10	18.2446	25.3980	7	6.9215	13.4672		8687	4†	12.4818	17.4245				
8635	4*	19.3603	25.5063	3*	8.0420	13.5285		8688	30§	13.7479	17.2354	47§	25.2979	5.5455	67 14 49
8636	5†	19.5833	25.2443	4†	8.2548	13.2553		8689				5	14.2092	6.2007	9.4
8637	4	19.6856	25.8345					8690	4*	3.5753	18.0057	7	15.0993	5.9278	
8638	10	19.7954	25.0704	7	8.4582	13.0735		8691	11	4.0283	18.2524	12	15.5418	6.1888	
8639	9	20.0517	25.1071	5†	8.7143	13.1016		8692				4	16.3824	6.2580	
8640	63§	21.1258	25.2425	60§	9.7933	13.1880	67 14 26	8693	41§	5.3059	18.9961	33§	16.7909	6.9840	67 14 37
8641	14	21.4943	25.1309	8	10.1589	13.0644	7.3	8694	4†	5.2990	18.3361	6	16.8110	6.3216	8.8
8642	14	22.8345	25.7671	11	11.5222	13.6426		8695	9	5.6313	18.4235	8	17.1393	6.4237	
8643	29	22.9469	25.7013	15	11.6312	13.5692	67 14 31	8696				5	17.5116	6.5955	
8644	26	22.9481	25.7130	11	11.6344	13.5863	9.5	8697	22§	7.3582	18.7966	21§	18.8504	6.8619	
8645	7*	23.3110	25.1024	4	11.9718	12.9613		8698	12	8.3962	18.2268	13	19.9092	6.3320	
8646	13*	23.6152	25.8069	8	12.3027	13.6502		8699	44§	9.0340	18.6285	39§	20.5331	6.7552	67 14 41
8647	32	23.7012	25.1636	17§	12.3626	13.0038		8700				4	14.0884	7.6644	8.7
8648	27	22.4367	26.0763	16	11.1389	13.9675		8701				6	14.4021	7.7351	
R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup>								8702				6	15.9370	7.7854	
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				8703	27§	5.1048	19.5794	21§	16.5693	7.5554	
Plate 2397. 1894, Nov. 25.				Plate 3239. 1896, Sept. 9.				8704	3†	7.9088	19.1794	3	19.3874	7.2636	
Plate 2397. 1894, Nov. 25.				Plate 3239. 1896, Sept. 9.				8705	5	10.2548	19.3477	6	21.7221	7.5251	
8649	24§	2.5295	14.0240	21§	14.2092	1.9074		8706	20	10.8657	19.7411	19	22.3203	7.9390	
8650	3†	3.8727	14.3171	4	15.5395	2.2541		8707	4	11.5791	18.8749	4†	23.0653	7.1039	
8651	2†	4.4493	14.8693	6	16.0976	2.8245		8708	19	12.6466	19.3193	25	24.1146	7.5863	
								8709	8†	3.5134	20.0747	10	14.9613	7.9872	
								8710				4	15.2583	8.1119	

No. 8688, B. D. 67° 1449. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 51.2 at Dec. + 67°, and 53.4 at Dec. + 68°.

## ZONE + 67°.

R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							B. D.		R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							B. D.	
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2397. 1894, Nov. 25.									Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 3239. 1896, Sept. 9.								
8711				4	17°76'34	8°31'95			8770				3	18°80'99	13°61'60		
8712	4†	7°23'67	20°69'66	5	18°65'71	8°75'63			8771				4	18°95'88	13°64'33		
8713	8	7°39'51	20°09'47	9	18°83'89	8°15'59			8772	21	7°70'63	24°99'62	19	18°96'08	13°06'97		
8714	6	8°36'07	19°93'51	7†	19°80'93	8°03'51			8773	13	8°89'18	25°74'70	16	20°11'88	13°86'47		
8715	3†	8°62'41	20°55'53	6	20°05'00	8°66'54			8774	39§	12°42'57	25°37'83	31§	23°66'19	13°63'40	67 1446	9.5
8716	13	9°05'25	20°22'37	14	20°49'04	8°35'11			8775	5*	13°58'99	24°85'37	8	24°84'33	13°15'20		
8717	7	9°62'40	20°08'36	9	21°06'68	8°23'50			8776	19	13°69'79	25°46'99	19	24°92'91	13°77'36		
8718	17	11°12'04	20°44'72	17	22°54'93	8°65'45			R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup>								
8719	26§	11°56'81	20°02'22	25§	23°01'05	8°24'69	67 1445	9.4	Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 2397. 1894, Nov. 25.								
8720	20	11°82'82	19°76'65	18	23°27'99	8°00'34			Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2359. 1894, Nov. 19.								
8721	7	11°93'93	20°21'65	10	23°37'57	8°45'52			8777	17	14°40'95	14°78'97	16	2°69'96	3°01'54		
8722	8	12°16'13	20°09'57	15	23°60'03	8°34'76			8778	15	14°88'54	14°15'36	6†	3°14'51	2°35'93		
8723	5	12°78'60	19°83'62	8	24°23'50	8°10'56			8779	10	16°01'52	14°29'87	6†	4°28'18	2°45'60		
8724	10	12°86'08	20°68'39	11	24°27'77	8°95'75			8780	11	17°05'05	14°47'35					
8725				6	14°68'71	9°33'10			8781	10	18°63'26	14°13'40	6*	6°89'11	2°18'45		
8726				4†	15°15'85	9°44'57			8782	5	20°17'43	14°39'19					
8727	35§	3°88'44	21°78'81	23§	15°26'52	9°71'65			8783	22	21°47'48	14°05'08	22	9°72'69	1°98'14		
8728	17	5°21'72	21°04'87	14	16°62'67	9°02'80			8784	4	22°37'97	14°59'07	4	10°65'19	2°48'68		
8729				4	16°90'26	9°78'45			8785	17	25°08'25	14°19'70	22	13°33'21	1°98'19		
8730	5†	11°99'06	21°58'33	7	23°37'15	9°82'33			8786	19	25°08'40	14°61'06	18	13°35'60	2°39'80		
8731	7	12°75'12	21°42'85	10	24°14'01	9°69'54			8787	12	16°07'05	15°80'40					
8732	40§	13°54'98	20°75'58	36§	24°96'44	9°05'64	67 1448	9.0	8788	12	16°09'23	15°16'90	7*	4°39'35	3°32'40		
8733	13	13°60'24	20°78'90	10	25°01'20	9°09'21			8789	16	21°03'05	15°27'31	15	9°33'15	3°22'40		
8734				5	14°12'10	10°96'37			8790	15	15°86'16	16°21'63	11	4°20'72	4°38'18		
8735	2†	4°91'72	22°84'71	6	16°25'39	10°81'73			8791	56§	16°21'64	16°36'67	62§	4°56'46	4°51'26	66 1527	8.9
8736	5†	5°08'67	22°47'14	6	16°44'05	10°44'52			8792	33§	17°60'59	16°99'82	40§	5°98'16	5°08'52	67 1453	9.5
8737	12†	5°13'14	22°04'47	12	16°50'06	10°02'42			8793	11	18°75'31	16°70'82	11	7°11'55	4°75'01		
8738	13	5°51'19	22°22'29	12	16°87'43	10°21'64			8794	25§	19°54'62	16°95'70	35§	7°91'65	4°96'82	67 1455	9.5
8739	4†	6°87'87	22°16'58	7	18°24'10	10°20'91			8795	12	21°80'81	16°53'57	10	10°15'91	4°45'14		
8740	32§	10°29'63	21°83'79	32§	21°67'08	10°01'57	67 1442	9.0	8796	35§	22°81'51	16°99'95	28§	11°18'49	4°87'60	67 1459	9.5
8741	50§	10°33'08	22°42'95	49§	21°68'17	10°60'53			8797	9	23°54'07	16°71'77	12	11°89'82	4°56'11		
8742	39§	10°72'74	22°19'13	33§	22°08'83	10°38'35			8798	6	25°45'91	16°69'31	10	13°81'37	4°45'90		
8743	9	11°14'98	21°81'10	10	22°52'39	10°02'07			8799	20§	14°48'15	17°00'10	24	2°85'80	5°21'78		
8744	5†	11°29'51	22°39'50	8	22°64'65	10°60'96			8800	5	15°31'02	17°91'79					
8745	7	11°87'15	22°68'85	10	23°21'11	10°92'55			8801	18	16°04'67	17°03'85	18	4°42'44	5°19'03		
8746	5*	13°05'62	22°66'79	7	24°39'56	10°94'80			8802	9	16°81'92	17°07'73	10	5°22'49	5°82'47		
8747	12	2°80'66	23°31'67	16	14°12'73	11°20'35			8803	12	19°57'42	17°22'93	12	7°95'73	5°23'94		
8748	37	3°06'71	23°91'94	24§	14°36'88	11°81'41	67 1435	9.5	8804	15	22°01'85	17°40'15	15	10°40'69	5°31'01		
8749	16	3°57'99	23°66'03	18	14°88'84	11°57'58			8805	6	14°90'40	18°83'05	4*	3°35'78	7°02'95		
8750	8†	5°40'40	23°31'67	8	16°72'41	11°30'36			8806	12	15°36'74	18°43'61	10	3°80'33	6°61'50		
8751	15	7°62'72	23°12'65	16	18°95'28	11°19'86	67 1440	9.5	8807	10	15°42'11	18°61'31	7	3°86'66	6°79'07		
8752	11	8°69'94	23°38'00	11	20°01'82	11°49'27			8808	5	16°97'09	18°68'88					
8753	4*	8°82'34	23°83'55	5	20°12'10	11°95'44			8809	30§	21°14'41	18°75'93	29	9°58'63	6°70'19	67 1456	9.5
8754	8	12°52'76	23°42'76	10	23°83'90	11°68'72			8810	21	21°20'29	18°54'62	22	9°63'61	6°48'78		
8755				5	16°18'02	12°00'52			8811	8†	21°33'12	18°68'17	7	9°77'19	6°61'84		
8756	12	8°17'33	24°12'83	13	19°46'02	12°21'64			8812	9†	21°62'67	18°47'41	7	10°06'01	6°39'71		
8757				5	19°53'60	12°75'71			8813	9	21°64'23	18°16'09	11	10°06'08	6°08'47		
8758	11	8°78'08	24°11'96	15	20°06'61	12°23'86			8814	14	22°06'87	18°92'00	12	10°51'77	6°82'29		
8759				5†	20°52'96	12°68'12			8815	20	22°25'19	18°94'64	20	10°70'04	6°84'39		
8760	5*	11°19'72	24°65'50	8	22°46'23	12°86'21			8816	9	15°29'34	19°81'81	7	3°78'64	7°99'91		
8761	19	11°32'98	23°87'01	20	22°62'31	12°08'42			8817	16†	15°96'97	19°03'66	17	4°43'11	7°19'04		
8762	4*	11°81'91	23°86'19	6	23°11'15	12°09'49			8818	22	18°06'65	19°23'25	28	6°53'23	7°29'98		
8763				7	15°19'25	13°09'36			8819	23	21°00'77	19°52'39	28	9°47'93	7°47'14		
8764				3	15°46'75	13°00'65			8820	15†	23°13'39	19°96'55	17§	11°62'39	7°82'53		
8765	2*	4°42'77	25°92'10	6	15°64'10	13°88'26											
8766				3	16°19'18	13°57'82											
8767				11	16°46'11	13°53'65											
8768	25	6°28'99	25°94'40	20	17°50'88	13°96'22	67 1438	9.4									
8769	51§	7°00'86	25°10'34	39§	18°25'61	13°14'96	67 1439	9.0									

No. 8748, 8749. It is doubtful which of these stars should be identified with  
B. D. 67° 1435.

1 réseau interval represents very nearly 5' = 51.2 of R.A. at Dec. + 67°, and 53.4 at Dec. + 68°.



## ZONE + 67°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
Plate 2397. 1894, Nov. 25.				Plate 2359. 1894, Nov. 19.				Plate 2860. 1895, Sept. 19.				Plate 2359. 1894, Nov. 19.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.
							No. Mag.								No. Mag.
8821	18	14.9527	20.1926	23	3.4615	8.3886	° m.	8871	8	11.7454	13.9969				° m.
8822	5†	15.3754	20.5131	5†	3.8987	8.6918		8872	12	6.7689	14.3341	8	18.4715	2.3125	
8823	39§	16.8974	20.4200	38§	5.4135	8.5369	67 1452 8.8	8873	4	8.4479	14.3949				
8824	12	17.0140	20.0995	14	5.5159	8.2115		8874	8	4.3850	15.6537	6	16.0374	3.5351	
8825	48§	18.8340	20.7129	46§	7.3585	8.7489	67 1454 8.5	8875	12	4.6010	15.1255	9	16.2729	3.0188	
8826	4	18.9586	20.6609	4	7.4797	8.6892		8876	5	5.0596	15.1964	3†	16.7296	3.1023	
8827	13	21.6590	20.3049	14	10.1643	8.2258		8877	8	6.2761	15.3998	6	17.9407	3.3545	
8828	7	22.3829	20.6527	11	10.9108	8.5403		8878	25§	7.9720	15.8218	31§	19.6160	3.8475	66 1550 9.4
8829				17§	13.3350	8.2737	67 1461 9.5	8879	17	8.5085	15.7897	18	20.1523	3.8378	
8830	34	24.8314	20.4869	24§	13.3434	8.2790		8880	6	10.4796	15.2001	3*	22.1454	3.3248	
8831	9	15.8637	21.6722	9	4.4330	9.8276		8881	11	13.9481	15.2222				
8832	5	16.3690	21.5952	4	4.9334	9.7319		8882	32§	2.5003	16.6307	48§	14.1155	4.4370	66 1539 8.3
8833	14	16.9910	21.4063	19	5.5501	9.5178		8883	47§	2.5137	16.7070	54§	14.1266	4.5118	
8834	7	18.7157	21.1602	10	7.2605	9.1994		8884	23§	3.9270	16.5278	33	15.5447	4.3900	
8835	8	18.7459	21.7153	11	7.3131	9.7551		8885	6	4.3226	16.2237	6†	15.9526	4.1005	
8836	12	19.4788	21.9117	11	8.0532	9.9188		8886	27§	5.7900	16.1807	29	17.4208	4.1181	66 1542 9.5
8837	4†	19.6574	21.0270	4*	8.1956	9.0281		8887	9	6.6943	16.9570	10	18.2932	4.9271	
8838	21	20.3048	21.0280	23	8.8417	9.0028		8888	15	6.7037	16.2919	20	18.3304	4.2655	66 1544 9.5
8839				5	10.5248	9.8651		8889	5	7.5523	16.8953	2	19.1542	4.9004	
8840	11	22.1883	21.6559	12	10.7470	9.5503		8890	22	7.9158	16.2109	29	19.5419	4.2312	66 1549 9.4
8841	26	14.4920	21.8976	24	3.0723	10.1102		8891	22	10.4954	16.2174	26§	22.1196	4.3425	66 1553 9.4
8842	16	14.8582	22.2434	15	3.4533	10.4386		8892	24	13.1232	16.5063	30	24.7346	4.7381	
8843	9	15.1112	22.1349	10	3.6985	10.3185		8893	6	2.9805	17.1230	5	14.5749	4.9439	
8844	9	17.1366	22.7982	7	5.7496	10.9044		8894	16	3.3145	17.8735	19	14.8809	5.7082	
8845				4	6.3616	10.6631		8895	15	3.3468	17.6201	14	14.9220	5.4557	
8846				5	11.1438	10.5235		8896	12	3.5883	17.2414	9	15.1792	5.0900	
8847	10†	23.5276	23.0673	12	12.1472	10.9074		8897	5	4.0651	17.9916	5	15.6234	5.8555	
8848	9	15.5306	23.6739	9	4.1840	11.8406		8898	5	5.1440	17.6192	6	16.7149	5.5300	
8849	7*	16.9025	23.2679	7	5.5337	11.3816		8899	11	6.5169	17.0772	9†	18.1136	5.0404	
8850				7	8.5898	11.1856		8900	24	8.2463	17.9160	23	19.8059	5.9493	
8851	5*	22.5184	23.4253	10	11.1533	11.3092		8901	6	9.0137	17.4423				
8852				6	11.2742	11.6950		8902	11	11.6449	17.8793	6*	23.2044	6.0493	
8853	19	17.1013	24.0228	26	5.7624	12.1270		8903	9	3.9949	18.6206	20†	15.5284	6.4826	
8854				5	7.7737	12.9223		8904	3†	6.0533	18.4150	2*	17.5924	6.3622	
8855	38	22.1871	24.8891	32§	10.8819	12.7807	67 1458 9.5	8905	19	6.6305	18.3649	22	18.1732	6.3338	
8856	6*	22.6730	24.1757	14	11.3366	12.0501		8906	6	7.8203	18.7805	7	19.3465	6.7952	
8857				13	11.4228	12.9700		8907	29§	8.9472	18.2760	26§	20.4922	6.3388	67 1467 9.5
8858	13	24.9862	24.4700	24	13.6642	12.2505		8908	9†	3.3903	19.9853	9	14.8714	7.8231	
8859				14	13.6862	12.8068		8909	3	6.8415	19.6773				
8860				8	4.1515	13.9573		8910	66§	12.8092	19.4607	76§	24.3033	7.6785	67 1471 7.7
8861	37§	15.4394	25.7761	38	4.1765	13.9465	67 1451 9.0	8911	80§	13.0348	19.4189	96§	24.5334	7.6419	67 1475 7.3
8862				4	5.6920	13.1382		8912	37§	4.7065	20.0110	40§	16.1850	7.9026	67 1464 8.8
8863	5*	18.5881	25.3052	13	7.3029	13.3464		8913	8	4.9403	20.1615	14	16.4130	8.0613	
8864				12	10.6705	13.7153		8914	27§	5.1148	20.7137	31§	16.5642	8.6200	
8865	65§	21.9413	25.8334	46§	10.6739	13.7351	67 1457 8.1	8915	5	10.6804	20.4658	2†	22.1346	8.5956	
8866	30	22.2525	25.5941	31§	10.9737	13.4829		8916	5	11.4412	20.5453	4*	22.8920	8.7065	
8867	14	23.9193	25.3364	24	12.6286	13.1581	67 1460 9.5	8917	4	11.9165	20.3168				
8868				7	12.7540	13.1423		8918	20	4.4659	21.3052	26	15.8917	9.1850	
8869				5	13.3757	13.9391		8919	24§	4.5062	21.3449	26§	15.9306	9.2280	
8870	23	25.0775	25.9179	29§	13.8096	13.6935	67 1462 9.5	8920	32§	4.5107	21.3557	42	15.9352	9.2387	67 1463 8.5
				72§	1.3949	3.3945	66 1522 7.4	8921	13	5.3152	21.5174	14	16.7337	9.4303	
				39§	2.0814	9.0094	67 1448 9.0	8922	10	8.8331	21.2014	7	20.2604	9.2598	
								8923	14	9.4204	21.5397	23	20.8347	9.6189	
	60§*	25.7713	16.7585					8924	17	9.4296	21.5542	23	20.8435	9.6315	
	(36§*)	25.7631	16.6817					8925	10	13.2743	21.2832	6*	24.6951	9.5167	
	70§	14.0855	25.7854					8926	4*	2.9758	22.9990	3*	14.3349	10.8226	
								8927	16	3.9036	22.0785	20	15.2967	9.9363	
								8928	10	7.9130	22.1091	14	19.3024	10.1284	
								8929	13	8.7164	22.3371	7†	20.0965	10.3883	

Nos. 8829, 8830. The components are not separated on Plate 2397.

Plate 2397. The 6<sup>min.</sup> image of the star whose co-ordinates are 25°7', 16°6', coincides with the 3<sup>min.</sup> image of the preceding star. The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly 5' = 51°.2 of R.A. at Dec. + 67°, and 53°.4 at Dec. + 68°.

## ZONE + 67.

B. D.								B. D.							
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			
Plate 2860. 1895, Sept. 19.				Plate 2359. 1894, Nov. 19.				Plate 2860. 1895, Sept. 19.				Plate 2838. 1895, Sept. 10.			
8930	16	9°8050	22°6180	9	21°1740	10°7104	°	8977	10	21°2262	16°7513	10	9°5859	4°6670	°
8931	14	10°6574	22°0898	13	22°0498	10°2184		8978	9	21°2467	16°3472	11	9°5892	4°2617	
8932	7	11°0410	22°3955	5*	22°4155	10°5379		8979	7	14°8704	17°4766	12	3°2676	5°6513	
8933	6	13°9611	22°3179					8980	44§	15°3222	17°2590	45§	3°7074	5°4125	67 1479
8934	8	13°9979	22°7566	7	25°3616	11°0179		8981	7†	16°2692	17°8046	12	4°6769	5°9197	
8935	8†	3°9479	23°5399	11	15°2836	11°4001		8982	14	17°1410	17°4077	20	5°5307	5°4915	
8936	19	4°1165	23°9371	21	15°4372	11°8006		8983	4†	17°7091	17°1161	8	6°0886	5°1753	
8937	6†	4°2473	23°7076	10	15°5752	11°5750		8984	9†	18°0027	17°8595	11	6°4129	5°9063	
8938	4*	5°5999	23°4911	4	16°9370	11°4179		8985	7	18°1149	17°0528	13	6°4934	5°0983	
8939	14	5°6222	23°9015	17	16°9431	11°8285		8986	46§	23°2319	17°1808	49§	11°6143	5°0151	67 1493
8940	16	10°5494	23°2770	23	21°8930	11°3987		8987	16	24°0376	17°6306	18	12°4337	5°4289	
8941	5	10°7094	23°5639	4†	22°0400	11°6929		8988	3*	14°9614	18°3947	5	3°3929	6°5659	
8942	15	13°5663	23°5641	12	24°8945	11°8092		8989	6*	15°3652	18°2721	9	3°7929	6°4262	
8943	3	13°9819	23°6149					8990	7†	16°3730	18°7627	10	4°8223	6°8761	
8944	17	5°6772	24°2687	20	16°9834	12°1939	67 1465	8991	11	18°3824	18°4401	16	6°8170	6°4701	
8945	8	6°3119	24°7302	14	17°5995	12°6830		8992	17	19°4869	18°7631	18	7°3922	6°7481	
8946	8†	7°7724	24°3538	12	19°0731	12°3684		8993	11	19°8498	18°3209	14	8°2785	6°2964	
8947	7	8°2444	23°9997	8	19°5574	12°0295		8994	56§	21°1895	19°0036	66§	9°6436	6°9216	67 1490
8948	6*	8°3900	23°9834	3	19°7059	12°0212		8995	7†	21°6947	18°5937	9	10°1304	6°4895	
8949	46§	10°5645	24°1239	56§	21°8736	12°2467	67 1469	8996				6	10°5123	6°5919	
8950				7	14°0280	13°7165		8997	6	22°9164	18°8085	9	11°3635	6°5545	
8951	12	8°3169	25°2499	13	19°5839	13°2810		8998				9	11°8965	6°7635	
8952	44§	10°6351	25°0447	49§	21°9058	13°1692		8999	9†	25°2208	18°9975	13	13°6719	6°7492	
8953	12†	4°0979	26°0904	19	15°3314	13°9510	67 1470	9000	9	14°7800	19°1027	14	3°2451	7°2808	
	86§	9°0364	26°4508	80§	26°9045	5°5768	67 1479	9001	12	19°4654	19°6343	17	7°9469	7°6179	
							67 1468	9002	15	19°7855	19°3252	22	8°2533	7°2985	
								9003	15	20°1638	19°9198	17	8°6542	7°8747	
								9004				4	9°6325	7°1686	
								9005	41§	21°3018	19°3271	44§	9°7667	7°2386	
								9006	4*	22°1160	20°0559	6	10°6127	7°9350	
								9007	28§	24°4232	19°6518	27§	12°9006	7°4383	67 1496
								9008				6	13°6897	7°9909	
								9009	26§	17°4092	20°3928	28§	5°9249	8°4607	67 1483
								9010	7	17°7698	20°5929	9	6°2934	8°6471	
								9011	10	18°9964	20°7751	15	7°5256	8°7778	
								9012	19	19°5662	20°1898	27	8°0739	8°1695	67 1487
								9013	24	19°5582	20°8380	31§	8°0883	8°1883	67 1488
								9014	4*	20°1030	20°2144	6	8°6057	8°1753	
								9015	6*	20°4942	20°4780	6	9°0063	8°4207	
								9016	16	21°0758	20°9816	20	9°6079	8°8984	
								9017	3*	22°5631	20°7377	4	11°0842	8°5994	
								9018	14	23°5887	20°5403	14	12°1005	8°3574	
								9019				9	13°5235	8°5572	
								9020	19	18°2141	21°2740	28§	6°7636	9°3110	
								9021	2*	18°3850	21°0575	3	6°9241	9°0864	
								9022	7†	22°9522	21°2152	12	11°4945	9°0574	
								9023	12	14°7303	22°3149	24	3°3251	10°4895	
								9024	9	15°1181	22°1224	16	3°7037	10°2812	
								9025	3*	16°1684	22°2488	5*	4°7596	10°3684	
								9026	56§	16°6775	22°5389	71§	5°2783	10°6366	67 1482
								9027	5*	18°0361	22°3987	8	6°6311	10°4410	
								9028	14	18°9726	22°2459	21	7°5576	10°2516	
								9029	42§	21°3260	22°4216	45§	9°9164	10°3309	67 1491
								9030				8	10°2343	10°4516	
								9031	27	21°9031	22°7408	27§	10°5067	10°6258	
								9032				5	11°9434	10°7322	
								9033	5*	24°5510	22°5450	11	13°1433	10°3202	
								9034	14	16°0565	23°3289	17§	4°6899	11°4505	
								9035	3*	18°1624	23°1582	5	6°7869	11°1947	

1 réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2860. 1895, Sept. 19.				Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2838. 1895, Sept. 10.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67° Plate 660. 1892, Dec. 2.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 68° Plate 2838. 1895, Sept. 10.				
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	
9036	16	20.4491	23.9735	21	9.1063	11.9164	°	9084	6*	5.2099	20.9779	14	16.6011	8.8816	°	
9037	19	21.9314	23.4184	22	10.5643	11.3006		9085	9†	9.8977	20.0500	28	21.3253	8.1404	67 1505	
9038	6†	22.1192	23.7650	12	10.7667	11.6403		9086	8	10.8171	19.9185	27	22.2509	8.0420		
9039	5*	24.2030	24.0251	13	12.8593	11.8145		9087	8	13.8366	20.4578	27	25.2478	8.7084	67 1509	
9040				11	13.2640	11.1892		9088				6	14.5080	9.1805		
9041	22	14.1258	24.3585	22	2.8028	12.5570	67 1476	9.5	9089			9	14.6256	9.2565		
9042	14	14.8728	24.2023	20	3.5442	12.3706		9090	5†	4.4331	21.3618	21	15.8101	9.2366		
9043	6	17.2695	24.2257	11	5.9371	12.2938		9091	19	8.0045	21.3378	37§	19.3815	9.3509	67 1501	
9044	3†	18.0937	24.4144	4	6.7686	12.4494		9092				14	14.8897	10.2372	9.3	
9045	58§	18.7223	24.4599	70§	7.4010	12.4704	67 1485	7.8	9093	7	10.2590	22.0717	27	21.6023	10.1757	
9046	11	20.0944	24.0855	13	8.7554	12.0405		9094				12	22.0244	10.8577		
9047	45§	22.9767	24.9022	40§	11.6662	12.7395	67 1494	9.3	9095	21	10.7709	22.7151	36§	22.0897	10.8339	67 1506
9048	58§	23.0539	24.9491	54§	11.7456	12.7806	67 1495	8.2	9096	9	11.3516	22.2228	26	22.6883	10.3695	9.1
9049	16	14.8902	25.2216	22	3.6042	13.3899	67 1478	9.5	9097	3*	12.6866	22.7788	9	24.0042	10.9747	
9050	4	15.6138	25.5002	6	4.3379	13.6391		9098	3*	13.3917	22.5774	12	24.7146	10.8060		
9051	2*	15.6786	25.5999	4*	4.4054	13.7334		9199	6	13.9738	21.8008	18	25.3271	10.0534		
9052	12	16.9134	25.2956	17	5.6259	13.3805		9100				14	18.7531	11.0808		
9053	2*	18.2089	25.7253	4	6.9356	13.7563		9101				11	19.0306	11.5869		
9054				6	8.7032	13.2913		9102	17	8.9615	23.4097	31§	20.2515	11.4603	67 1502	
9055	3*	23.1896	26.0646	9	11.9321	13.8960		9103				11	21.3394	11.3018	9.5	
9056				5	13.4930	13.2934		9104	5	12.1219	23.4372	26	23.4101	11.6108		
				80§	1.2866	7.7214	67 1471	7.7	9105				32§	14.4187	12.3717	
				89§	1.5119	7.6673	67 1475	7.3	9106				21	14.9112	12.7714	
					</											

ZONE + 67°.

R.A. 23 <sup>h</sup> 10 <sup>m</sup> to 23 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 20 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup>										
Centre		R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 67°		R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre		R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 67°		R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 68°						
Plate 660. 1892, Dec. 2.				Plate 2822. 1895, Sept. 2.				Plate 556. 1892, Sept. 14.				Plate 2822. 1895, Sept. 2.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
No.				No.			Mag.	No.				No.			Mag.			
9132	3*	14.7664	23.5175	7	3.5042	11.6777	°	m.	9183	10	12.6870	21.9220			°	m.		
9133	5†	18.0156	24.5750	11	6.7945	12.5971	67 1512	9.5	9184	13	13.2977	21.7065	4	24.8276	9.9190	67 1532	9.5	
9134	4*	22.3057	25.1587	11	11.0983	13.0077			9185	5	6.8865	22.4752						
9135	8†	23.0443	25.8587	25	11.8733	13.6807	67 1520	9.3	9186	45§	9.3393	22.2710	38§	20.8465	10.3273	67 1528	7.8	
9136	18	23.6236	25.6204	36§	12.4358	13.4193	67 1522	8.5	9187	19	10.1072	22.5650	6	21.6037	10.6501			
R.A. 23 <sup>h</sup> 20 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup>								R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup>										
Centre		R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre		R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°						
Plate 556. 1892, Sept. 14.				Plate 2822. 1895, Sept. 2.				Plate 556. 1892, Sept. 14.				Plate 2900. 1895, Sept. 30.						
9137	26	2.6834	14.8926	15	14.4877	2.6884	66° 1605	9.3	9188	16	11.2349	22.3889						
9138	9	3.0655	14.5622						9189	35§	11.4368	22.5527	23§	22.9318	10.6896	67 1531	9.2	
9139	7	3.3864	14.2999						9190	23	12.1476	22.7806	7†	23.6317	10.9494			
9140	19	10.7211	14.6850						9191	18	12.5228	22.3006						
9141	12	12.3252	14.2095						9192	29	4.7850	23.2992	11	16.2526	11.1697			
9142	66§	13.3836	14.9294	63§	25.1854	3.1537	66 1615	8.0	9193	21	7.7190	23.5773	6†	19.1754	11.5605			
9143	6	2.3135	15.8755						9194	27	9.3423	23.7860	18	20.7872	11.8389			
9144	27§	11.7352	15.3103	9	23.5186	3.4766			9195	7	9.3862	23.4509						
9145	26	12.7841	15.6248	4*	24.5506	3.8279			9196	29	10.8625	23.0271	15	22.3361	11.1391			
9146	9	13.1258	15.1030						9197	10	12.5188	23.2584	4*	23.9836	11.4385			
9147	18	2.4249	16.5198	6	14.1655	4.3005			9198	24	5.9947	24.2097	10	17.4248	12.1295			
9148	12	4.3417	16.0260						9199	11	6.0374	24.2262						
9149	37§	5.6645	16.5274	22	17.4046	4.4393	66 1608	9.4	9200	5†	6.0491	24.5952						
9150	10	9.6343	16.4411						9201	11	6.0848	24.5206	5	17.5041	12.4401			
9151	28	13.6754	16.1006	6	25.4242	4.3394	66 1616	9.3	9202	6	6.1288	24.1500						
9152	9	13.7539	16.2683						9203	21	8.4944	24.3701	5†	19.9159	12.3889			
9153	6	3.7644	17.1240						9204	28§	9.6598	24.0686	10	21.0942	12.1298			
9154	12	3.8630	17.8992	5	15.5458	5.7374			9205	22	10.3953	24.7990	6*	21.8021	12.8932			
9155	24	5.2817	17.9001	7	16.9671	5.7961			9206	7	11.3659	24.2207						
9156	63§	5.3730	17.8498	48§	17.0583	5.7495	67 1525	8.0	9207	27	11.4396	24.2189	12	22.8687	12.3557			
9157	33§	10.5739	17.8424	22	22.2566	5.9555	67 1530	9.4	9208	9	12.0089	24.8141						
9158	14	11.6024	17.1198	6*	23.3134	5.2684			9209	26	5.5106	25.0911	11	16.9046	12.9903			
9159	9†	5.2060	18.9995						9210	21	7.3175	25.3267	6*	18.7059	13.2910			
9160	7	6.0832	18.2329						9211	6	9.7110	25.1245						
9161	6	9.9536	18.8949	3*	21.5908	6.9762			9212	33§	9.8154	25.4197	19	21.1971	13.4890	67 1529	9.5	
9162	15	10.1665	18.5393	4†	21.8237	6.6300			9213	24	13.1645	25.1867	8†	24.5502	13.3915	67 1533	9.0	
9163	28	13.4110	18.9709	10†	25.0466	7.1970	67 1535	9.5	9214	38§	13.8960	25.3500	24	25.2758	13.5842	67 1536	9.3	
9164	6	4.0658	19.1522						R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup>									
9165	12	4.3445	19.4895	4*	15.9707	7.3472			Centre		R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67°		R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°					
9166	26	5.5691	19.0199	11	17.2065	6.9291			Plate 556. 1892, Sept. 14.				Plate 2900. 1895, Sept. 30.					
9167	7	6.8832	19.0710						9215	17	15.3531	14.4550	6	3.6603	2.6608	°	m.	
9168	26	9.8589	19.7700	11	21.4654	7.8480			9216	17	15.9682	14.1953	7	4.2627	2.3758			
9169	12	10.6050	19.6373						9217	43§	17.2877	14.8355	35§	5.6084	2.9585	66 1625	8.7	
9170	6	12.0515	19.8535						9218	4	18.7353	14.1944						
9171	42§	13.2790	19.5097	28§	24.8971	7.7246	67 1534	8.5	9219	17	19.0132	14.1088	7	7.3027	2.1629			
9172	33	3.3425	20.1143	18	14.9392	7.9290	67 1523	9.4	9220	19	19.2026	14.2285	12	7.4953	2.2746			
9173	6	3.4861	20.6589	3*	15.0637	8.4797			9221	33	19.3937	14.3313	29	7.6905	2.3712	66 1628	9.5	
9174	39§	4.1754	20.3461	31§	15.7639	8.1910	67 1524	9.1	9222	12	19.8008	14.3849	4	8.1021	2.4084			
9175	4†	4.5233	20.6853						9223	53§	20.9037	14.0338	40§	9.1899	2.0112	66 1630	7.8	
9176	16	5.8882	20.5722	5	17.4660	8.4927			9224	13	15.7042	15.7945	5†	4.0642	3.9812			
9177	27§	10.3969	20.2275	10	21.9856	8.3233			9225	15	19.4235	15.1101	10	7.7544	3.1481			
9178	17	12.5459	20.2711	7*	24.1349	8.4575			9226	19	20.3400	15.9612	14	8.7040	3.9631			
9179	5	12.8892	20.4109						9227	5	22.4353	15.3284						
9180	7	13.5151	20.6671						9228	19	22.7709	15.4769	13	11.1147	3.3762			
9181	16	6.7163	21.2401	6†	18.2661	9.1895			9229	25	22.8040	15.2400	21	11.1392	3.1404	66 1634	9.5	
9182	4	12.4881	21.2477															

<sup>1</sup> réseau interval represents very nearly  $5' = 51^{\text{s}}.2$  of R.A. at Dec.  $+ 67^{\circ}$ , and  $53^{\text{s}}.4$  at Dec.  $+ 68^{\circ}$ .



## ZONE + 67°.

R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 556. 1892, Sept. 14.				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2900. 1895, Sept. 30.				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 67° Plate 556. 1892, Sept. 14.				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2900. 1895, Sept. 30.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.
9230	14	23°1233	15°0529	9	11°4465	2°9416	° m.	9289	7	17°2691	23°5087	3*	5°9454	11°6263	° m.
9231	33§	24°2309	15°4804	22	12°5722	3°3218	66 1636 9·5	9290	12	19°0345	23°8500				
9232	32§	14°2460	16°4032	29	2°6343	4°6510	66 1618 9·2	9291	9	19°0539	23°9197				
9233	52§	15°1759	16°9960	41§	3°5882	5°2034	67 1540 8·5	9292	20	21°1420	23°7712	13	9°8242	11°7322	
9234	13	16°4709	16°7566	7	4°8726	4°9147		9293	62§	21°4444	23°7395	53§	10°1245	11°6880	67 1555 7·7
9235	15	16°4750	16°4115	10	4°8625	4°5698		9294	40§	24°1246	23°4753	26§	12°7910	11°3157	67 1559 9·2
9236	5	20°3693	16°9764					9295	23	24°2009	23°4856	14	12°8698	11°3247	
9237	9	20°8142	16°4484					9296	9	17°7937	24°2799				
9238	39§	22°5333	16°3534	27§	10°9118	4°2643	66 1633 9·2	9297	5	18°0408	24°1805				
9239	18	22°7249	16°7950	11	11°1238	4°6978		9298	48§	18°8188	24°7180	38§	7°5410	12°7707	67 1549 8·3
9240	9	24°8559	16°7683	6	13°2538	4°5815		9299	4	19°7051	24°1424	2*	8°4082	12°1626	
9241	23	25°1645	16°0614	18	13°5290	3°8661		9300	34§	21°0121	24°1161	21	9°7094	12°0806	67 1553 9·1
9242	28	15°2754	17°3014	16	3°7001	5°5086	67 1541 9·5	9301	6†	23°1589	24°2375				
9243	82§	16°2733	17°5183	66§	4°7034	5°6802	67 1542 7·2	9302	13	23°7056	24°5801	9	12°4220	12°4374	
9244	10	20°7958	17°2393					9303	5	14°0081	25°3510	4*	2°7619	13°6054	
9245	17	20°8729	17°6324	10	9°3030	5°6097		9304	33§	14°6743	25°2802	27§	3°4247	13°5059	67 1538 9·3
9246	10	21°3041	17°5215	4†	9°7347	5°4809		9305	36§	16°6650	25°0601	28§	5°4055	13°2045	
9247	26	22°4201	17°3393	15	10°8395	5°2540		9306	36§	17°8176	25°7276	27§	6°5832	13°8196	
9248	19	22°7687	17°2592	6	11°1858	5°1597		9307	5	18°1378	25°2886				
9249	5†	23°0051	17°5411					9308	34§	18°3654	25°0289	24	7°1041	13°0996	67 1548 9·1
9250	34§	23°1293	17°3689	26§	11°5506	5°2536	66 1635 9·4	9309	13	20°0159	25°5400	6	8°7724	13°5466	
9251	12	24°2045	17°3953	7	12°6239	5°2358		9310	17	21°7606	25°2581	6	10°5014	13°1895	
9252	8	25°0915	17°8596	5	13°5285	5°6668						(62§)	3°0394	1°4432	66 1619 6·8
9253	6	16°2953	18°7493									66§	1°7088	3°2073	66 1615 8·0
9254	61§	17°7653	18°4708	42§	6°2362	6°5767	67 1547 8·0					13	2°0532	4°3718	66 1616 9·3
9255	10	19°2417	18°1396									31§	1°7940	7°7964	67 1534 8·5
9256	12	19°9546	18°9800	7	8°4409	6°9917						11	1°9103	13°4698	67 1533 6·0
9257	13	21°2625	18°9939	4	9°7511	6°9526		R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup>							
9258	29	23°5010	18°6089	17	11°9723	6°4760		Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			
9259	25	24°1682	18°0109	16	12°6145	5°8523		Plate 2333. 1894, Nov. 6.				Plate 2900. 1895, Sept. 30.			
9260	28§	14°1362	19°5588	21	2°6557	7°8026		9311	37	2°4936	14°9783	24	14°3372	2°9017	66° 1638 m.
9261	5	14°6240	19°3415					9312	19	2°7786	14°8535	5	14°6246	2°7896	9·5
9262	7†	23°5121	19°9860	4†	12°0376	7°8556		9313	10	4°3272	14°5567	6*	16°1858	2°5496	
9263	20	14°6054	20°0414	13	3°1437	8°2729		9314	24	4°7056	14°6551	13	16°5621	2°6666	
9264	7	14°7652	20°1991					9315	25	5°8549	14°0726	14	17°7308	2°1302	
9265	30	14°9141	20°1977	24§	3°4558	8°4150	67 1539 9·3	9316	16	6°5642	14°0747	9†	18°4383	2°1617	
9266	5	18°9297	20°7181	4*	7°4918	8°7715		9317	41§	8°1458	14°9006	32	19°9868	3°0506	66 1646 9·2
9267	27§	19°9991	20°0622	26§	8°5328	8°0724	67 1551 9·4	9318	50§	8°6459	14°0788	41§	20°5225	2°2471	66 1648 8·5
9268	12	20°6080	20°6393	8	9°1662	8°6247		9319	6	10°9245	14°6109				
9269	11	22°5047	20°8520					9320	27§	11°0412	14°1600	13	22°9148	2°4243	
9270	9	23°1816	20°5655	4†	11°7304	8°4448		9321	10	13°3352	14°9901				
9271	33	25°1760	20°1100	23§	13°7058	7°9087		9322	3	13°7240	14°2236				
9272	11	15°2651	21°4228	6†	3°8551	9°6239		9323	13	2°9736	15°5346	2*	14°7944	3°4757	
9273	12	16°2020	21°5150	6†	4°7950	9°6793		9324	4	4°6129	15°3183				
9274	36§	16°3364	21°7906	27§	4°9435	9°9524	67 1543 9·5	9325	12	5°9647	15°9599	6†	17°7674	4°0189	
9275	47§	17°7370	21°9857	37§	6°3505	10°0875	67 1546 9·0	9326	15	5°9865	15°2321	9	17°8194	3°2950	
9276	12	20°5451	21°2292	8	9°1243	9°2184		9327	6	6°1859	15°9387				
9277	29	20°7031	21°6007	14	9°2974	9°5835	67 1552 9·5	9328	6	6°3913	15°1045				
9278	25	21°7054	21°3797	15	10°2938	9°3202		9329	16	7°6755	15°8164	11	19°4816	3°9448	
9279	28	21°9628	21°3513	21	10°5459	9°2837	67 1556 9·5	9330	5	9°5735	15°8954				
9280	5	24°7119	21°1560					9331	6	10°0441	15°0938				
9281	8†	25°1523	21°0506	6	13°7200	8°8512		9332	5	10°0793	15°6454				
9282	21	14°4552	22°9654	15	3°1147	11°2004		9333	6	3°4597	16°5609				
9283	8	16°3157	22°1821	5*	4°9376	10°3427		9334	10	3°5491	16°5819				
9284	5	18°9949	22°4777	4*	7°6268	10°5285									
9285	40§	21°3061	22°3481	31§	9°9323	10°3036	67 1554 9·0								
9286	14	24°3758	22°3359	12	12°9971	10°1696									
9287	24	15°9109	23°1895	18	4°5750	11°3661									
9288	5	16°9717	23°4547	3*	5°6436	11°5864									

Plate 2900. B. D. 66° 1619. The 6<sup>min</sup>. image appears to coincide with a fault on the plate. The diameter given is that of the 3<sup>min</sup>. image.

1 *réseau* interval represents very nearly 5' = 51·2 of R.A. at Dec. + 67°, and 53·4 at Dec. + 68°.

## ZONE + 67°.

R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°					
Plate 2333. 1894, Nov. 6.				Plate 2900. 1895, Sept. 30.				Plate 2333. 1894, Nov. 6.				Plate 2900. 1895, Sept. 30.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
9335	18	3°57'28	16°62'64	9	15°34'95	4°59'04	66°16'40	m.	9394	6	8°27'80	20°58'55				o	m.
9336	4	5°01'48	16°57'82					9°5	9395	6	9°98'08	20°21'56					
9337	19	5°71'45	16°08'05	10	17°51'01	4°12'96			9396	11	10°05'31	20°19'34	6†	21°68'42	8°41'42		
9338	118§	5°89'46	16°98'82	110§	17°65'61	5°04'17	67°15'62	5°5	9397	7	12°95'13	20°13'20					
9339	6	6°24'44	16°86'51						9398	7	13°74'49	20°37'20					
9340	24	6°26'02	16°04'23	16	18°05'93	4°11'37			9399	10	6°01'62	21°07'42					
9341	12	6°62'49	16°68'40						9400	21	8°78'51	21°13'43	11	20°37'99	9°30'44		
9342	4	7°22'19	16°04'33						9401	4†	11°35'72	21°74'70					
9343	4	8°58'42	16°35'58						9402	18	11°45'13	21°43'99	10	23°03'40	9°67'23		
9344	9	8°75'11	16°66'77						9403	11	12°33'90	21°29'15					
9345	12	11°34'64	16°39'02						9404	6	13°22'89	21°10'38					
9346	3	12°37'15	16°22'03						9405	26§	13°68'44	21°39'22	26	25°26'30	9°75'42	67°15'75	9°5
9347	25§	12°46'25	16°49'13	14	24°23'57	4°80'86			9406	15	13°82'87	21°41'56	8*	25°40'74	9°78'57		
9348	25	13°54'04	16°56'52	13	25°31'32	4°92'47	66°16'55	9°5	9407	19	3°37'14	22°80'61	9†	14°90'21	10°75'65		
9349	31§	13°75'54	16°83'66	29	25°51'88	5°20'32	66°16'56	9°5	9408	15	4°61'95	22°19'15	8	16°17'57	10°19'37		
9350	10	2°45'69	17°10'74						9409	13	5°19'71	22°22'50					
9351	14	3°82'06	17°96'95	12	15°54'23	5°94'00			9410	27	5°44'79	22°25'50	14	17°00'08	10°29'10		
9352	27	3°92'53	17°03'10	18	15°68'56	5°00'68			9411	17	5°95'55	22°15'25	9†	17°50'96	10°20'73		
9353	22	4°53'81	17°10'28	12	16°29'42	5°10'55			9412	26	6°85'29	22°04'70	12	18°41'10	10°13'76		
9354	17	6°58'60	17°23'45	16	18°33'55	5°32'14	67°15'63	9°5	9413	5	7°92'53	22°03'03					
9355	7	7°20'00	17°56'62						9414	21	7°92'66	22°24'30	9	19°47'88	10°37'63		
9356	6	7°61'48	17°81'41						9415	17	8°76'84	22°25'01	6†	20°31'75	10°41'70		
9357	11	9°56'13	17°58'57						9416	21	10°15'70	22°01'20	14	21°71'22	10°23'54		
9358	14	10°62'95	17°22'56						9417	4	10°23'93	22°76'93					
9359	4	11°14'36	17°45'17						9418	38§	11°36'54	22°73'08	30§	22°89'13	11°00'08	67°15'71	9°0
9360	10	12°22'50	17°92'72						9419	11	5°34'20	23°06'87					
9361	4	13°14'25	17°53'98						9420	17	7°13'49	23°96'78	10	18°61'70	12°06'62		
9362	13	6°79'58	18°28'40	7†	18°50'43	6°37'57			9421	10	7°16'17	23°54'59					
9363	4	7°29'70	18°35'42						9422	6	8°46'91	23°36'21	2*	19°97'52	11°51'54		
9364	4	8°66'49	18°28'43						9423	12	9°25'18	23°52'55	6*	20°74'91	11°71'04		
9365	5	8°97'18	18°56'59						9424	16	9°54'35	23°69'21	6†	21°03'38	11°88'76		
9366	4	9°24'83	18°98'05						9425	12	9°92'07	23°62'89					
9367	10	9°65'18	18°53'09						9426	14	10°60'37	23°92'30	7†	22°08'43	12°15'75		
9368	12	11°42'92	18°05'60						9427	27	11°06'54	23°66'26	19	22°55'73	11°91'93		
9369	15	12°84'02	18°03'93						9428	42§	11°16'90	23°13'25	29§	22°68'05	11°39'58	67°15'69	8°9
9370	5	13°78'81	18°12'77						9429	9	11°47'84	23°84'91					
9371	23	2°72'59	19°67'44	12	14°37'95	7°60'46			9430	4†	12°88'35	23°39'92					
9372	15	5°47'84	19°80'19	4	17°12'68	7°83'96			9431	6	13°09'63	23°29'53					
9373	11	6°25'18	19°55'30						9432	22	4°99'30	24°24'11	13	16°46'54	12°25'57		
9374	18	6°72'91	19°35'62	12	18°39'40	7°44'58			9433	8	5°19'83	24°92'89					
9375	9	7°59'48	19°47'30						9434	25	6°09'34	24°33'55	12	17°56'19	12°39'20		
9376	6	8°57'30	19°86'10						9435	11	6°38'23	24°52'42	6†	17°84'20	12°59'15		
9377	4	8°71'52	19°36'25						9436	4	10°46'72	24°64'88					
9378	11	8°90'12	19°58'32						9437	14	10°51'43	24°20'67	6	21°98'53	12°44'25		
9379	54§	9°89'26	19°96'11	44§	21°53'16	8°17'37	67°15'67	8°5	9438	19	3°97'13	25°43'85	14	15°39'46	13°41'16		
9380	49§	11°33'48	19°87'45	46§	22°97'73	8°14'47	67°15'70	8°2	9439	12	4°63'89	25°94'63	4	16°04'25	13°94'58		
9381	30§	12°23'81	19°83'47	27	23°88'21	8°14'21			9440	15	11°96'00	25°59'85	10	23°37'27	13°88'96	67°15'73	9°5
9382	4†	12°73'48	19°37'49						9441	22	13°61'33	25°03'75	12	25°04'39	13°39'63		
9383	27§	12°82'54	19°34'91	23	24°48'56	7°67'86			R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup>								
9384	5	13°18'07	19°27'63						Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°			R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67°		
9385	6	13°70'87	19°45'06						Plate 2333. 1894, Nov. 6.			Plate 2304. 1894, Oct. 24.			Plate 2333. 1894, Nov. 6.		
9386	23	3°04'12	20°46'45	10	14°66'95	8°40'58			9442	10	18°75'21	13°98'00	20§	4°29'04	3°10'51	66°16'60	9°5
9387	6†	6°49'95	20°37'03						9443	21§	15°78'23	14°96'76	9	5°49'54	2°81'72		
9388	14	6°57'22	20°18'85	6†	18°20'51	8°27'03			9444	13	17°00'20	14°72'70	34§	5°97'74	2°54'71	66°16'63	9°3
9389	7	7°09'41	20°05'20						9445	34§	17°48'90	14°47'58					
9390	20	7°51'35	20°65'43	14	19°12'57	8°77'19											
9391	7	7°64'13	20°15'24														
9392	5†	7°77'98	20°06'81														
9393	14	7°90'36	20°97'68	9	19°50'28	9°11'03											

1 réseau interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.



## ZONE + 67°.

R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2333. 1894, Nov. 6.				R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2304. 1894, Oct. 24.				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° Plate 2333. 1894, Nov. 6.				R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2304. 1894, Oct. 24.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.
9446	45§	17°6327	14°0486	50§	6°1019	2°1117	66°1664 8·7	9505	21	16°8559	19°9886	9	5°5648	8°0797	° m.
9447	18	17°9830	14°8417	12	6°4854	2°8919		9506	23	17°5133	19°3501	15	6°1925	7°4166	
9448	21	18°4017	14°0609	12	6°8723	2°0953	66 1666 9·5	9507	5	17°6888	19°3310				
9449	4	18°6400	14°0837					9508	25	17°6887	19°2898	16	6°3673	7°3494	
9450	9	18°6891	14°3550					9509	2	17°7230	19°3253				
9451	4	19°6281	14°2997					9510	2	18°8547	19°6718				
9452	12	19°6772	14°1777					9511	28	19°0581	19°6876	15	7°7523	7°6903	67 1584 9·5
9453	9	19°9370	14°5534					9512	5	19°7873	19°5519				
9454	5	20°2917	14°9114					9513	7	19°8120	19°5563	2*	8°4993	7°5325	
9455	21	22°3382	14°2330	14	10°8134	2°1071		9514	4	21°5052	19°8288				
9456	10	22°6489	14°1504					9515	4	17°6621	20°3713				
9457	10	22°8995	14°2806	7*	11°3716	2°1371		9516	30	22°3437	20°9856	13	11°0854	8°8556	
9458	19	14°4772	15°0093					9517	12	23°1361	20°7509	5†	11°8691	8°5905	
9459	18	14°7620	15°3566					9518	7	23°7081	20°6607	5	12°4353	8°4755	
9460	4	16°8770	15°0078					9519	41§	24°8464	20°6483	31§	13°5746	8°4193	
9461	6	19°7121	15°9332					9520	7	14°3282	21°6106				
9462	5†	22°3114	15°2703					9521	5	14°9006	21°6111				
9463	23	22°4276	15°8389	18	10°9661	3°7111		9522	4	15°0753	21°7444				
9464	5	22°6972	15°9199					9523	24	15°6847	21°0379	13	4°4357	9°1766	
9465	8	23°3868	15°6741	5*	11°9181	3°5036		9524	4	16°1392	21°8488				
9466	12	25°3608	15°1840	6*	13°8719	2°9394		9525	26§	16°2465	21°5541	11	5°0200	9°6694	
9467	10	21°2805	16°3958					9526	29§	17°4939	21°4845	18	6°2620	9°5502	
9468	15	23°8963	16°4474	14	12°4582	4°2613		9527	5	19°2461	21°0819				
9469	6†	24°1564	16°3360					9528	30	21°1957	21°4240	29§	9°9591	9°3399	67 1591 9·5
9470	8	24°4982	16°9321	2*	13°0754	4°7229		9529	21	21°9524	21°6219	12	10°7225	9°5099	
9471	17	24°8186	16°4283	10	13°3804	4°2041		9530	6	22°3851	21°5197				
9472	25	24°8610	16°9600	20	13°4417	4°7311	66 1680 9·5	9531	14	23°1061	21°0684	6	11°8526	8°9082	
9473	3	14°6602	17°3643					9532	45§	23°5854	21°2512	42§	12°3369	9°0746	67 1596 9·0
9474	22	14°7981	17°8797	21	3°4225	6°0560		9533	13	24°3044	21°7946	9†	13°0768	9°5986	
9475	3	15°3074	17°1624					9534	8	24°5049	21°4579	4*	13°2680	9°2420	
9476	34§	16°8923	17°3688	28§	5°4966	5°4613	67 1580 9·5	9535	54§	24°8743	21°7199	42§	13°6432	9°4889	67 1598 8·8
9477	15	18°2385	17°3213	9†	6°8381	5°3587		9536	8	14°2963	22°6124				
9478	4	19°1674	17°7359	3*	7°7813	5°7416		9537	29	16°3387	22°2847	15	5°1392	10°3972	67 1579 9·5
9479	3†	19°5324	17°5021					9538	4	16°3651	22°4564				
9480	29§	19°5509	17°5401	28§	8°1603	5°5245	67 1585 9·4	9539	6	17°0362	22°4063				
9481	21	20°0444	17°2837	17	8°6417	5°2503		9540	22	17°5888	22°9411	5	6°4154	11°0008	
9482	62§	20°0647	17°5159	56§	8°6704	5°4788	67 1586 7·9	9541	14	18°0657	22°4675	4	6°8702	10°5100	
9483	23	20°4246	17°2577	12	9°0200	5°2081		9542	21	18°3669	22°3003	5	7°1661	10°3296	
9484	3†	20°4361	17°6957					9543	40§	20°0864	22°2960	35§	8°8829	10°2592	67 1587 8·8
9485	8	21°2306	17°5589					9544	12	21°9491	22°5087	5	10°7530	10°3948	
9486	12	22°8785	17°5520	6	11°4848	5°4046		9545	23	21°9850	22°3234	12	10°7818	10°2078	
9487	2†	22°9698	17°1892					9546	5	22°1244	22°7165	3*	10°9392	10°5940	
9488	19	23°2731	17°4176	12	11°8735	5°2505		9547	10	23°3832	22°2583				
9489	32§	14°9754	18°3272	27§	3°6178	6°4953	67 1576 9·5	9548	5	14°8293	23°3533				
9490	29§	15°3634	18°9382	23	4°0305	7°0903	67 1578 9·5	9549	4	15°2893	23°8094				
9491	28§	15°9132	18°3964	19	4°5582	6°5261		9550	9	15°6122	23°0616				
9492	14	15°9462	18°5524					9551	4	15°9097	23°0812				
9493	6	17°5612	18°8747					9552	47§	18°7891	23°8763	44§	7°6540	11°8874	67 1583 8·3
9494	8	18°1794	18°1017	4*	6°8101	6°1394		9553	20	19°2803	23°3745	16	8°1213	11°3647	
9495	4†	21°8755	18°6249					9554	17	20°9923	23°6651	6†	9°8444	11°5888	67 1590 9·5
9496	7	23°4490	18°0463	4*	12°0712	5°8742		9555	12	21°9801	23°0561				
9497	9	24°0441	18°5669	5†	12°6924	6°3716		9556	43§	23°2779	23°0881	22	12°1049	10°9194	67 1594 9·5
9498	4†	24°2155	18°7685					9557	7†	24°0613	23°6281	4	12°9069	11°4284	
9499	6†	24°3356	18°2398	4*	12°9713	6°0313		9558	8	24°8455	23°5103	5	13°6881	11°2786	
9500	35	24°8045	18°5255	27§	13°4470	6°2998		9559	19	15°0985	24°7630				
9501	17	25°2383	18°2898	7*	13°8731	6°0457		9560	8	15°8924	24°0038				
9502	23	25°2457	18°6993	15	13°8950	6°4524		9561	23	17°0356	24°9363	19	5°9447	13°0169	67 1581 9·5
9503	26§	14°9356	19°6381	14	3°6325	7°8080	67 1577 9·5	9562	4	17°4402	24°5813	2*	6°3299	12°6453	
9504	8	15°7292	19°2847					9563	4	19°8949	24°0264				

1 new interval represents very nearly 5' = 51°2 of R.A. at Dec. + 67°, and 53°4 at Dec. + 68°.

## ZONE + 67°.

No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	
							No.	Mag.								No.	Mag.
R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>									R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°									Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 67° R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°								
Plate 2333. 1894, Nov. 6. Plate 2304. 1894, Oct. 24.									Plate 2333. 1894, Nov. 6. Plate 2304. 1894, Oct. 24.								
9564	4	20°0430	24°5022				o	m.	9577	4†	19°3226	25°3914				o	m.
9565	64§	20°4867	24°8019	62§	9°3842	12°7437	67 1588	7·9	9578	15	19°8738	25°2559	4	8°7916	13°2227		
9566	27	20°6957	24°9938	22§	9°6027	12°9279			9579	8	20°4487	25°8019	4	9°3868	13°7454		
9567	5	21°2903	24°5076	3*	10°1739	12°4198			9580	7	20°4671	25°5975	4	9°3988	13°5384		
9568	6	21°7980	24°4482						9581	50§	20°7063	25°2993	33§	9°6272	13°2340	67 1589	8·0
9569	18	22°8367	24°0394	12	11°7017	11°8869			9582	50§	21°2060	25°1024	28§	10°1155	13°0154	67 1592	9·0
9570	30	23°1418	24°8146	16	12°0358	12°6500			9583	5†	21°6218	25°9023	2*	10°5625	13°7957		
9571	59§	23°5576	24°1690	35§	12°4279	11°9871	67 1597	8·8	9584	3	22°0435	25°0082					
9572	6	24°2534	24°6920						9585	59§	23°0133	25°6504	31§	11°9439	13°4890	67 1593	9·1
9573	6	14°1366	25°1942						9586	5†	24°4157	25°5836	6	13°3419	13°3678		
9574	4	14°9900	25°4519														
9575	24	15°8205	25°8288	14†	4°7641	13°9571											
9576	4	16°8695	25°8316							70§	25°4204	17°5537	48§	5°3217	1°9757	66 1661	8·7
																67 1599	7·7

1 réseau interval represents very nearly 5' = 51<sup>s</sup>.2 of R.A. at Dec. + 67°, and 53<sup>s</sup>.4 at Dec. + 68°.



ZONE + 68°.

R.A. $\alpha^h \alpha^m$ to $\alpha^h 10^m$							R.A. $\alpha^h \alpha^m$ to $\alpha^h 10^m$ —contd.						
Centre		R.A. $\alpha^h \alpha^m$ Dec. + 68°		R.A. $\alpha^h \alpha^m$ Dec. + 69°		Centre		R.A. $\alpha^h \alpha^m$ Dec. + 68°		R.A. $\alpha^h \alpha^m$ Dec. + 69°			
Plate 2304. 1894, Oct. 24.		Plate 2839. 1895, Sept. 10.		Plate 2304. 1894, Oct. 24.		Plate 2839. 1895, Sept. 10.		Plate 2304. 1894, Oct. 24.		Plate 2839. 1895, Sept. 10.			
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
1	6	18°05'67	14°10'26	7*	6°82'52	2°21'14							
2	148	22°88'10	14°9'062	17	11°6'772	2°8'120							
3	288	23°42'80	15°03'07	388	12°22'74	2°9'132	67	8					
4	348	15°30'20	14°87'38	458	4°10'41	3°09'23	67	1600					
5	258	16°9'295	15°7'023	368	5°76'04	3°85'51	67	1					
6	9	20°32'37	15°88'42	12	9°16'11	3°89'66							
7	12	20°47'90	15°20'52	15	9°28'87	3°21'18							
8	3*	15°15'42	15°85'65	4	3°99'72	4°08'27							
9	4	20°19'72	16°09'68	5	9°04'28	4°11'65							
10	8	20°9'145	16°28'08	12	9°76'81	4°26'78							
11	4	21°28'32	16°52'22	5	10°14'98	4°49'30							
12	3	22°60'94	16°78'24	5	11°48'41	4°69'90							
13				3	13°72'84	4°13'93							
14	198	15°83'88	17°53'55	238	4°74'82	5°73'14	68	1427	9°5				
15	7	20°17'51	17°42'94	11	9°07'81	5°44'42							
16	10	23°44'99	17°71'46	12	12°36'00	5°59'42							
17	3†	24°44'48	17°63'91	6	13°34'84	5°47'77							
18	688	14°17'47	17°84'26	808	3°10'12	6°10'80	68	1426	7°0				
19	3	20°28'38	17°99'63	5	9°21'08	6°00'97							
20	148	22°20'27	18°49'24	158	11°14'79	6°42'60	68	5	9°5				
21				4	11°44'88	6°54'08							
22				7	12°96'49	6°22'12							
23	2†	24°89'84	18°31'50	5	18°33'48	6°13'20							
24	9	15°34'09	19°16'48	12	4°32'12	7°38'17							
25				4	4°34'53	7°41'89							
26	3	15°94'40	19°40'91	6	4°93'50	7°60'09							
27	3	16°55'50	19°00'15	4	5°52'11	7°16'95							
28	198	17°47'22	19°78'92	248	6°47'31	7°9'144	68	1	9°2				
29	8	19°22'44	19°77'90	12	8°22'39	7°83'45							
30				2†	11°14'65	7°75'62							
31	3	23°71'20	20°06'41	9	12°7'192	7°93'26							
32	388	16°48'49	20°20'77	448	5°50'33	8°37'76	68	1429	7°9				
33	17	19°04'67	20°53'24	188	8°08'05	8°59'39	68	2	9°5				
34				8	4°64'02	9°15'41							
35	5	17°51'22	21°80'66	8	6°59'80	9°92'89							
36	178	23°98'50	21°79'65	188	13°06'80	9°65'31							
37	9	14°23'32	21°74'90	14	3°31'97	10°00'73							
38	4*	16°32'29	22°55'68	6	5°44'60	10°72'91							
39	318	16°36'22	22°82'59	348	5°49'32	10°99'70	68	1428	8°9				
40				4	5°54'42	10°90'93							
41				4	6°12'07	10°26'10							
42	6	18°36'22	22°05'44	8	7°45'81	10°14'39							
43	8	23°68'49	22°79'16	9	12°8'125	10°65'89							
44	11	15°20'42	22°80'23	13	4°33'70	11°01'85							
45	4*	17°44'92	23°53'14	7	6°60'81	11°65'75							
46	13	17°86'72	23°52'17	13	7°02'60	11°62'72							
47	5*	21°20'42	23°75'13	9	10°36'95	11°71'93							
48	10	22°03'64	23°12'16	12	11°17'69	11°05'56							

R.A. $\alpha^h \alpha^m$ to $\alpha^h 10^m$ —contd.							
Centre		R.A. $\alpha^h \alpha^m$ Dec. + 68°		R.A. $\alpha^h \alpha^m$ Dec. + 69°		Centre	
Plate 2304. 1894, Oct. 24.		Plate 2839. 1895, Sept. 10.		Plate 2304. 1894, Oct. 24.		Plate 2839. 1895, Sept. 10.	
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	No.
B. D.							
No.							
Mag.							
49	178	14°32'43	23°79'31	16	3°49'70	12°04'72	
50	2	14°76'58	24°17'36	4	3°95'68	12°40'71	
51	2*	15°10'81	24°31'70	5	4°30'66	12°53'60	
52				7	11°99'30	12°12'90	
53	4*	16°68'31	25°14'93	6	5°90'76	13°30'36	
				458	5°07'00	1°50'18	67
				458	10°09'89	1°08'56	67
				548	1°41'78	6°09'11	68
							68
488	22°14'98	26°48'37					

R.A. $\alpha^h \alpha^m$ to $\alpha^h 20^m$							
Centre		R.A. $\alpha^h \alpha^m$ Dec. + 68°		R.A. $\alpha^h \alpha^m$ Dec. + 69°		Centre	
Plate 2921. 1895, Oct. 17.		Plate 2839. 1895, Sept. 10.		Plate 2921. 1895, Oct. 17.		Plate 2839. 1895, Sept. 10.	
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	No.
B. D.							
No.							
Mag.							
54	13	5°89'16	14°9'182	10	17°05'55	2°88'29	
55	288	9°48'92	14°57'47	358	20°66'39	2°68'31	67
56	11	10°27'73	14°68'00	14	21°44'84	2°82'14	25
57	278	3°90'06	15°11'94	268	15°05'87	3°00'32	12
58	14	4°12'53	15°74'40	13	15°25'90	3°63'93	9°5
59	448	5°63'79	15°32'85	478	16°78'70	3°28'10	67
60	20	8°12'31	15°55'69	23	19°25'84	3°60'99	15
61	14	9°92'54	15°62'27	19	21°05'79	3°74'81	
62	6	6°39'25	16°82'38	6	17°48'20	4°80'49	
63	308	6°55'32	16°73'16	348	17°64'56	4°71'80	67
64	288	7°15'38	16°17'56	318	18°26'78	4°18'62	17
65	3	7°95'55	16°75'76	3*	19°04'40	4°80'66	21
66	9	9°03'30	16°70'70	10	20°12'21	4°79'55	
67	378	13°54'55	16°96'27	508	24°62'35	5°23'05	67
68	6	3°29'46	17°75'11	7	14°34'81	5°60'90	34
69	668	8°29'79	17°48'54	638	19°35'52	5°54'59	9°2
70	10	9°06'28	17°48'19	13	20°12'05	5°57'02	67
71	6	10°56'35	17°77'11	8	21°60'78	5°92'34	14
72	16	10°74'42	17°38'28	19	21°80'56	5°54'19	
73	6	12°55'79	17°14'08	8	23°62'93	5°37'20	
74	208	13°06'27	17°45'53	28	24°11'76	5°70'65	
75	17	13°26'27	17°39'02	25	24°32'22	5°64'74	
76	6	3°86'54	18°52'13	6	14°88'54	6°40'16	
77	268	5°29'66	18°63'95	248	16°30'98	6°57'83	68
78	24	5°71'24	18°41'00	238	16°73'55	6°36'43	10
79	16	9°08'58	18°78'13	16	20°09'23	6°87'08	11
80	6	10°08'35	18°54'86	9	21°09'77	6°67'96	
81	25	13°96'13	18°24'64	338	24°98'52	6°53'37	68
82	8	5°37'00	19°85'05	8	16°33'68	7°79'05	19
83	16	8°91'53	19°02'15	17	19°91'18	7°10'28	
84	2*	8°97'34	19°63'80	4*	19°94'11	7°72'54	
85	6	9°04'68	19°62'20	8	20°01'82	7°70'81	

1 *réseau* interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .

## ZONE + 68°.

R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 20 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 2921. 1895, Oct. 17.				Centre R.A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. +69° Plate 2839. 1895, Sept. 10.				Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +68° Plate 2921. 1895, Oct. 17.				Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. +69° Plate 531. 1892, Aug. 30.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
86	12	9.1647	19.7244	16	20.1331	7.8158		136	17	24.6606	15.9385	19	13.3838	3.7083	
87	8	10.2964	19.6184	9	21.2702	7.7550		137	22	14.0872	16.2972	38§	2.8342	4.4958	67 35 9.5
88	3*	11.2898	19.8820	4	22.2510	8.0586		138	9	15.6031	16.4323	15	4.3566	4.5685	
89	3*	11.9488	19.5733	3	22.9212	7.7795		139	8	16.5005	16.8864	12	5.2711	4.9867	
90	6*	6.0724	20.9734	6	16.9907	8.9420		140	12	18.7003	16.8969	14	7.4694	4.9090	
91	8	7.4826	20.2866	8	18.4284	8.3118		141	16	20.3103	16.3406	19	9.0520	4.2852	
92	20	7.7993	20.8121	19§	18.7234	8.8503		142	5	20.5520	16.3572	6	9.2976	4.2940	
93	4*	9.3277	20.7266	4*	20.2583	8.8242		143	16	20.8265	16.7393	18	9.5849	4.6634	67 48 9.4
94	19	11.4836	20.3027	17	22.4283	8.4883		144	15	22.2669	16.2119	20	11.0017	4.0790	
95	4*	11.5550	20.0638	5	22.5076	8.2543		145	7	22.6647	16.5071	10	11.4119	4.3574	
96	6	12.2638	20.8037	6	23.1851	9.0183		146	10	23.9465	16.3185	14	12.6895	4.1169	
97	8	12.9975	20.5097	10	23.9298	8.7556		147	24	25.0162	16.0607	24§	13.7439	3.8159	
98	26	13.1118	20.4045	32§	24.0509	8.6546	68 18 9.5	148	14	14.1717	17.9965	23	2.9907	6.1919	
99	6*	4.2298	21.6851	7	15.1205	9.5765		149	10	17.2422	17.7925	13	6.0460	5.8620	
100	5*	5.9899	21.9050	4	16.8714	9.8734		150	6	18.2145	17.4280	6	7.0017	5.4604	
101	6*	6.1538	21.9574	5	17.0355	9.9262		151	5	18.2367	17.7812	7	7.0394	5.8109	
102	5*	9.5765	21.1577	5*	20.4867	9.2659		152	27	20.0935	17.6275	27§	8.8882	5.5839	68 30 9.4
103	13	11.5954	21.4246	15	22.4935	9.6156		153	13	21.6276	17.1197	14	10.4018	5.0135	
104	23	12.0008	21.8553	24§	22.8814	10.0602		154	3	23.4352	17.9475	4	12.2413	5.7659	
105	7	10.3853	22.5987	8	21.2393	10.7371		155	5	23.4962	17.5564	6	12.2862	5.3725	
106	29§	5.1074	23.0027	21§	15.9476	10.9308		156	4†	24.0610	17.6654	6	12.8539	5.4573	
107	7	6.0796	23.3406	8	16.9024	11.3097		157	3	25.1880	17.2638	6	13.9712	5.0128	
108	28§	12.9083	23.6348	27§	23.7176	11.8732	68 17 9.5	158	11	14.8833	18.2911	17	3.7104	6.4569	
109	8	13.2934	23.9547	9	24.0877	12.2093		159	38§	16.5155	18.4262	40§	5.3469	6.5256	68 24 8.7
110	7	13.9990	23.0010	7	24.8339	11.2864		160	8	18.3046	18.0566	12	7.1202	6.0855	
111	18	4.3457	24.8409	16	15.1132	12.7372		161	19	18.3138	18.3729	20§	7.1414	6.3986	68 25 9.4
112	40§	6.5419	24.3880	30§	17.3253	12.3706	68 12 9.1	162	2	19.1079	18.8066	4	7.9497	6.8006	
113	11	7.3226	24.6162	9	18.0959	12.6316		163	4†	19.9913	18.6801	5	8.8280	6.6383	
114	15	7.3659	24.4402	14	18.1473	12.4582		164	42§	20.9349	18.9346	47§	9.7816	6.8533	68 32 8.7
115	34§	8.9472	24.6533	29§	19.7167	12.7332	68 15 9.1	165	7	15.5404	19.6448	11	4.4236	7.7824	
116	3*	9.0279	24.4929	4	19.8049	12.5767		166	4	15.7626	19.8688	4	4.6543	7.9972	
117				3	20.5601	12.5215		167	3*	17.5417	19.0170	5	6.3997	7.0769	
118				4	21.1764	12.5653		168	27§	18.5538	19.4761	28§	7.4269	7.4896	68 27 9.3
119	39	4.5030	25.7046	29§	15.2359	13.6061	68 9 9.5	169	4	21.9597	19.2245	6	10.8180	7.1045	
120	29	4.7549	25.1283	23§	15.5071	13.0420		170	4*	22.1018	19.1505	4	10.9575	7.0240	
121	14	4.8929	25.2883	15	15.6387	13.2065		171	6	22.1696	19.5923	6	11.0412	7.4636	
122	22	6.8240	25.8540	20§	17.5476	13.8494		172	24	24.6609	19.6249	24§	13.5329	7.3942	68 36 9.5
123	10	8.4760	24.9530	8	19.2348	13.0147		173	20	15.2523	20.6422	24§	4.1753	8.7893	68 21 9.5
124	3*	8.9215	25.7842	4	19.6472	13.8659		174	2†	15.6021	20.3967	4	4.5159	8.5294	
				53§	17.7655	1.3431	67 18 8.1	175				3	5.1674	8.9895	
								176	6	16.2884	20.8200	9	5.2184	8.9247	
								177	4	18.3439	20.0589	4	7.2409	8.0810	
								178	43§	18.5073	20.2602	48§	7.4140	8.2740	68 26 8.4
								179	23§	18.9251	20.6807	25§	7.8471	8.6773	68 28 9.1
								180	5	20.5992	20.1060	6	9.4946	8.0365	
								181				2	10.0562	8.3051	
								182				4†	10.5151	8.5481	
								183	4*	23.4623	20.8975	5	12.3876	8.7144	
								184	6	15.6721	21.7474	8	4.6386	9.8762	
								185	4	15.8495	21.6960	6	4.8125	9.8218	
								186	17	15.9750	21.1335	20§	4.9165	9.2530	68 23 9.5
								187	11	16.3998	21.0462	16	5.3391	9.1475	
								188	3*	18.8786	21.8606	4	7.8464	9.8613	
								189	3*	24.3676	21.6248	6	13.3233	9.4018	
								190				3	13.6892	9.3222	
								191	14	18.0260	22.7568	14	7.0332	10.7921	
								192	2†	18.5410	22.3758	4	7.5308	10.3880	
								193	2*	20.4502	22.1737	3	9.4309	10.1130	
								194	6	20.5768	22.6660	5	9.5797	10.6003	

† réseau interval represents very nearly 5' = 53.84 of R.A. at Dec. + 68°, and 55.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 0 <sup>h</sup> 20 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°						
Plate 2921. 1895, Oct. 17.				Plate 531. 1892, Aug. 30.					Plate 561. 1892, Sept. 15.				Plate 531. 1892, Aug. 30.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
195	12	24'2822	22'3890	15	13'2674	10'1671			241	6	11'2652	18'6529	13	22'3175	6'8671				
196	6	24'5724	23'0100	10	13'5813	10'7777			242	15	11'7626	17'9539	22§	22'8363	6'1808				
197	6	13'9995	23'0007	6	3'0190	11'1984			243	6	12'1299	18'5527	10	23'1855	6'7958				
198	4	15'4422	23'4750	6	4'4801	11'6148			244	9	9'6958	18'8743	13	20'7375	7'0290				
199	6	15'7904	23'2761	8	4'8209	11'4011			245	15	12'2878	19'1420	20§	23'3207	7'3907				
200	2*	19'3919	24'0045	4	8'4462	11'9838			246	7	11'6900	20'6296	10	22'6654	8'8569				
201	40§	20'6547	23'2251	45§	9'6743	11'1541	68	31	247	13	12'0636	19'7790	18	23'0687	8'0205	68	44		
202	52§	20'9218	23'1937	64§	9'9407	11'1109	68	33	248	33§	13'2613	19'8950	36§	24'2643	8'1771	68	46		
203	4†	16'3316	24'4742	6	5'4069	12'5784			249				7	16'1144	9'5056				
204				5	8'1697	12'4858			250	6	6'2150	21'1910	9	17'1753	9'2138				
205	14	19'3501	24'0617	16	8'4077	12'0420			251	23§	7'0557	21'6446	23§	17'9995	9'7004	68	40		
206	13	23'0981	24'8245	15	12'1818	12'6519			252	7	8'3558	21'3985	10	19'3072	9'5009				
207	48§	23'4680	24'7332	48§	12'5474	12'5458	68	34	253	12	8'5532	21'5415	14	19'4982	9'6529				
208	3*	14'2746	25'7211	4	3'4016	13'9062			254	11	10'6168	21'1910	14	21'5757	9'3761				
209	4	14'5720	24'9725	8	3'6723	13'1470			255	42§	13'3260	21'6112	45§	24'2670	9'8948	68	47		
210	3*	20'2348	25'3403	3	9'3427	13'2881			256	7*	3'5744	22'6900	13	14'4847	10'6194	68	38		
211	5*	22'5405	25'9635	4	11'6721	13'8128			257	59§	3'6799	22'7908	63§	14'5843	10'7207				
212				5	12'5278	13'2443			258	7	6'2346	22'6662	12	17'1393	10'6913				
				49§	12'2703	1'1715	67	54	259	7	7'2260	22'4496	14	18'1416	10'5125				
				40§	2'3198	5'1839	67	34	260	10	9'1171	22'1990	15	20'0400	10'3292				
	53§	26'1376	16'0810				67	57	261	11	9'9052	22'6249	17	20'8121	10'7870				
	68§	25'5802	22'9930				68	38	262	15	11'4291	22'5837	19	22'3353	10'7985				
R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup>									R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup>										
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 561. 1892, Sept. 15.				Plate 531. 1892, Aug. 30.					Plate 561. 1892, Sept. 15.				Plate 2298. 1894, Oct. 22.						
213	19	2'8266	14'9482	21	14'0153	2'8515			273										
214	17	2'8453	14'9354	20	14'0363	2'8418			274	17	11'0470	24'1233	19	21'8962	12'3250				
215	21	3'5978	14'4602	22	14'8051	2'3919			275	24	12'8991	23'8164	28§	23'7592	12'0825	68	45		
216	14	5'5955	14'2157	19	16'8103	2'2239			276	41§	4'4130	25'2221	31§	15'2258	13'1797	68	39		
217	13	10'5446	14'6620	25	21'7416	2'8480			277				9	18'2781	13'4330				
218	8	12'1565	14'1261	13*	23'3681	2'3708			278	21§	11'0155	25'5092	24§	21'8144	13'7059				
219	5	12'6659	14'5942	5*	23'8648	2'8600			279	21§	11'7218	25'4928	24§	22'5188	13'7174				
220	10	12'8748	14'4311	15	24'0817	2'7021													
221	62§	3'7088	15'8525	61§	14'8655	3'7903	67	57					68§	26'2379	2'2485	67	69		
222				6	15'6455	4'7226							50§	25'8837	7'8504	68	52		
223	7	4'8647	16'7090	9	15'9890	4'6875							27§	25'5162	10'6297	68	50		
224	36§	5'1486	16'5381	36§	16'2779	4'5266	67	59					97§	25'2266	11'5545	68	49		
225	16	7'7339	16'5193	16	18'8641	4'6014			58§	1'7121	24'6856					68	34		
226	21§	7'8094	16'5531	22§	18'9362	4'6399	67	61											
227	22§	9'3206	16'7402	27§	20'4418	4'8794	68	42											
228	8	10'8528	16'6831	14	21'9752	4'8790													
229	15	9'4347	17'5121	19	20'5249	5'6581	68	43											
230	13	9'7478	16'8444	18	20'8635	5'0002													
231	6	3'2956	18'0915	10	14'3738	6'0128													
232	11	3'6948	18'2654	13	14'7644	6'2009													
233	22§	4'1150	18'3839	22§	15'1766	6'3367													
234	14	4'2539	18'2682	13	15'3222	6'2245													
235	10	5'8494	18'7409	13	16'9002	6'7545													
236	3*	5'9017	18'9109	9	16'9450	6'9270													
237	15	6'0712	18'9109	15	17'1150	6'9320													
238	11	8'0525	18'5223	16	19'1079	6'6164													
239	8	10'5356	18'1126	16	21'6049	6'2980													
240	17	10'7932	18'5600	21	21'8467	6'7509													
R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup>									R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup>										
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 561. 1892, Sept. 15.				Plate 2298. 1894, Oct. 22.					Plate 561. 1892, Sept. 15.				Plate 2298. 1894, Oct. 22.						
280	14	19'0796	14'0959	6*	7'8286	2'0383			280	14	19'0796	14'0959	6*	7'8286	2'0383				
281	7	19'3456	14'8585						281	7	19'3456	14'8585							
282	8	19'3890	14'7204						282	8	19'3890	14'7204							
283	4	20'2140	14'0599						283	4	20'2140	14'0599							
284	11	20'4533	14'0588						284	11	20'4533	14'0588	4*	9'1983	1'9356				
285	39§	22'1320	14'5699						285	39§	22'1320	14'5699	37§	10'8947	2'3708	67	75		

No. 251, B. D. 68° 40'. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 53".4 at Dec. + 68°, and 55".8 at Dec. + 69°.

ZONE + 68°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>									R.A. 0 <sup>h</sup> 50 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup>										
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 561. 1892, Sept. 15.				Plate 2298. 1894, Oct. 22.					Plate 633. 1892, Oct. 25.				Plate 2298. 1894, Oct. 22.						
286	36§	22.1627	14.6192	35§	10.9277	2.4181	°	m.	339	30§	5.9176	14.6333	37	17.1060	2.5643	67°	84	m.	
287	10	22.4479	14.9195	4*	11.2303	2.7095			340	19	6.7157	14.2397	16	17.9167	2.2001			9.4	
288	34§	16.6938	15.8030	32	5.5189	3.8462	67	70	9.5	341	6	9.1825	14.8564						
289	4	21.6253	15.8688						342	36§	10.9775	14.3173	55	22.1761	2.4357	67	93	9.2	
290	11	23.3270	15.3775	5*	12.1253	3.1255			343	8	11.1258	14.4780							
291	13	15.3521	16.7014	6†	4.2218	4.8059			344	8*	3.4476	15.2520	5	14.6122	3.0953				
292	17	16.0770	16.3979	7†	4.9314	4.4687			345	6†	5.9201	15.1102	3*	17.0890	3.0430				
293	36§	19.0677	16.2633	28§	7.9122	4.1971	67	73	9.4	346	6	7.4963	15.6548	3*	18.6482	3.6412			
294	30§	21.3867	16.5682	27§	10.2424	4.4032	67	74	9.4	347	4†	7.8841	15.1677	3*	19.0831	3.1987			
295	6	24.0023	16.7969						348	56§	9.0348	15.5864	61§	20.1850	3.6307	67	89	8.0	
296	31§	24.4312	16.5931	46§	13.2820	4.2909	67	78	9.5	349	14	9.2250	15.0120	12	20.3972	3.0635			
297	22§	16.5851	17.8157	21	5.5007	5.8646	68	55	9.5	350	7	9.4086	15.8076	5*	20.5533	3.8684			
298	6	17.4218	17.5396						351	87§	3.3835	16.8404	92§	14.4906	4.6787	67	81	6.7	
299	9	20.4792	17.2106	6	9.3644	5.0850			352				6†	15.3706	4.6401				
300	85§	21.0973	17.9008	77§	10.0117	5.7454	68	57	7.4	353	12	6.1735	16.9446	12	17.2745	4.8833			
301	6	22.7787	17.9930	4	11.6978	5.7605			354	36§	7.8352	16.2025	42§	18.9644	4.2028	67	88	9.2	
302	42§	14.8342	18.2225	43§	3.7691	6.3475	68	51	9.1	355	6	10.6206	16.6016	3*	21.7336	4.7046			
303	5	15.6326	18.0333				68	53	9.5	356	24§	11.0127	16.5322	45§	22.1265	4.6492	67	92	9.3
304	6	15.7513	18.7827						357	16	8.1564	17.2878	15	19.2460	5.2986				
305	11	16.6529	18.1390	5*	5.5857	6.1841			358	8	13.8967	17.6776							
306	14	20.9675	18.6022	9	9.9138	6.4536			359	5	3.0147	18.4818	8	14.0608	6.3072				
307	12	22.5395	18.1374	5	11.4621	5.9169			360	6	8.6040	18.1038	5*	19.6617	6.1348				
308	34§	14.8657	19.5112	35§	3.8586	7.6330	68	52	9.0	361	42§	8.6736	18.5420	48§	19.7139	6.5716	68	66	9.0
309	5	16.0250	19.0368						362	5	13.5400	18.2976							
310	64§	19.8035	19.3126	58§	8.7819	7.2125	68	56	8.2	363	6	13.9468	18.6376						
311	28	24.0350	19.1734	19	13.0020	6.8861			364	7	8.7654	19.5552	6	19.7699	7.5879				
312	22§	17.1381	20.6428	21	6.1804	8.6626			365	60§	12.4975	19.3288	69§	23.5106	7.4982	68	70	8.5	
313	6	17.2874	20.1500						366	28§	3.4178	20.1277	32§	14.4108	7.9640	68	60	9.1	
314	34§	22.6996	20.1554	29§	11.7133	7.9273	68	58	9.0	367	17	5.8815	20.3174	17	16.8594	8.2444			
315	24§	22.7235	20.1652	20§	11.7335	7.9345			368	4	6.9656	20.9278	5	17.9212	8.8954				
316	15	23.2609	20.7937	8	12.3017	8.5385			369	42§	13.7735	20.6660	59§	24.7347	8.8809	68	71	9.0	
317	20§	14.0140	21.5367	24	3.0965	9.6954	68	48	9.5	370	14	5.5917	21.3491	17	16.5309	9.2656			
318	6	17.4370	21.1537						371	15	6.3649	21.0883	16	17.3161	9.0300				
319	18	19.6161	21.1162	13	8.6762	9.0255			372	40§	6.4939	21.7678	40§	17.4194	9.7174	68	62	9.3	
320	7	19.8352	21.1980	3*	8.9014	9.0982			373	13	6.8567	21.9587	15	17.7757	9.9207				
321	33§	22.6013	21.9421	22§	11.6910	9.7154			374	60§	9.9060	22.2139	60§	20.8158	10.2859	68	67	8.1	
322	19	14.6038	22.3006	17	3.7220	10.4315	68	50	9.4	375	45§	6.1094	23.3622	40§	16.9792	11.2946	68	61	9.0
323	16	20.0970	22.3170	10	9.2127	10.2023			376	4	6.6002	23.8045	9	17.4496	11.7575				
324	7	23.3265	22.2350	6*	12.4317	9.9766			377	58§	7.1647	23.4382	60§	18.0285	11.4093	68	63	8.5	
325	92§	14.3476	23.2347	85§	3.5102	11.3764	68	49	6.4	378	85§	8.4552	23.7481	94§	19.3095	11.7653	68	64	7.0
326	12	16.2746	23.4915	9	5.4443	11.5485			379	23§	8.6677	23.2767	25§	19.5369	11.3021	68	65	9.2	
327	42§	23.4022	23.3869	23§	12.5573	11.1238	68	59	9.3	380	6*	10.5970	23.1689	6	21.4714	11.2676			
328	7	23.4532	23.9633	7	12.6363	11.6960			381	5	10.7093	23.4980	6	21.5719	11.5998				
329	25§	14.1824	24.9235	23	3.4199	13.0702			382	7	11.3039	23.4492	8	22.1651	11.5714				
330	8	14.7758	24.4199	6	3.9947	12.5454			383	9	11.3230	23.1864	8	22.1947	11.3108				
331	11	16.5617	24.4295	7*	5.7739	12.4696			384				6†	19.6814	12.5694				
332	11	16.5848	24.6590	5*	5.8090	12.6961			385	13	9.9852	24.5880	16	20.8045	12.6623				
333	8*	23.3743	24.9316	6*	12.6019	12.6679			386	9	10.3233	24.3602	10	21.1505	12.4491				
334	37§	16.0882	25.8018	32§	5.3612	13.8633	68	54	8.8	387	20	11.6119	24.3006	20	22.4423	12.4352			
335	15	18.2142	25.0684	13	7.4510	13.0360			388	9	6.0233	25.2633	15	16.8219	13.1942				
336	28	20.9515	25.4595	20	10.2041	13.3011			389	21	6.2851	25.2760	22§	17.0852	13.2130				
337	40§	21.8032	25.6881	25§	11.0647	13.4910			390	5	6.3992	25.4205	11	17.1921	13.3643				
338	39§	22.6763	25.4280	24§	11.9252	13.1920			391	7	9.3235	25.3015	11	20.1153	13.3538				
									392				8	20.5475	13.9582				
				47§	3.7572	2.0200	67	69	9.0	393	44§	11.0355	25.7125	47§	21.8128	13.8236	68	68	9.0
				44§	2.4177	9.7981	68	47	9.2	394	8	12.2024	25.1310	9	23.0000	13.2887			
							67	81	6.7					69§	25.2173	2.2670	67	95	9.0
	100§	25.6226	17.0362				68	60	9.1					74§	25.3924	5.6907	68	72	8.6
	42§	25.3886	20.3172																

1 *réseau* interval represents very nearly  $5' = 53^{\text{m}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{m}}.8$  at Dec.  $+ 69^{\circ}$ .



## ZONE + 68°.

R. A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 10 <sup>m</sup>								R. A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R. A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 633. 1892, Oct. 25.				R. A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1636. 1893, Dec. 1.				Centre R. A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2377. 1894, Nov. 21.				R. A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1636. 1893, Dec. 1.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
395	33§	14°0092	14°0395	48	2°7377	2°3595	67° 95 9°0	440	9	3°5843	16°3901	10	14°7113	4°3494	
396	13	14°0560	14°8524	10	2°8221	3°1707	67° 96 9°1	441	5	4°0910	16°3616	4*	15°2207	4°3426	
397	5*	23°9207	14°8379	7	12°6746	2°6996		442	7†	5°2132	16°5332	5	16°3339	4°5509	
398	10	16°4943	15°7670	(9)	5°3001	3°9698		443	10	6°1472	16°9770	8*	17°2509	5°0306	
399	12	17°1082	15°3726	10	5°8954	3°5485	67° 97 9°5	444	6	6°9915	16°3267	4*	18°1222	4°4092	
400	7	20°3163	15°3386	6†	9°0966	3°3699		445	27§	8°6460	16°9044	27	19°7517	5°0495	68° 95 9°5
401	12	20°8595	15°1128	13	9°6314	3°1190	67° 100 9°5	446	15	9°0005	16°5288	18	20°1220	4°6866	
402	38	24°9627	15°9535	42§	13°7643	3°7671	67° 104 9°0	447	11	10°2645	16°8626	7	21°3717	5°0670	
403	8	17°2525	16°1083	6	6°0749	4°2772		448	16	4°5220	17°4008	11	15°6121	5°3934	
404	108§	18°3360	16°9082	142§	7°1906	5°0215	68° 77 6°0	449	17	11°2082	17°7749	17	22°2809	6°0133	68° 100 9°3
405	12	19°6017	16°8552	11	8°4542	4°9178	68° 80 9°5	450	6	13°9043	17°4412				
406	43§	14°3112	17°4552	72§	3°1944	5°7583	68° 72 8°6	451	3*	4°5014	18°1760	3	15°5648	6°1714	
407	6	15°3271	17°8084	4*	4°2289	6°0643		452	44§	6°0207	18°9145	45§	17°0533	6°9587	68° 90 8°4
408	6	16°1240	17°3867					453	20	7°1904	18°5768	23	18°2371	6°6661	
409	7	16°3774	17°1710	5*	5°2472	5°3783		454	28§	7°3213	18°2431	35	18°3795	6°3364	68° 92 9°1
410	4	21°8181	17°1424	5†	10°6826	5°0995		455	12	7°4703	18°3655	13	18°5235	6°4646	
411	8	15°2313	18°1056	5†	4°1461	6°3661		456	50§	7°4688	19°8449	54§	18°4674	7°9423	68° 93 8°4
412	6	16°9034	18°4681	5	5°8328	6°6490		457	8	7°4901	19°4780	8	18°5043	7°5785	
413	13	18°7552	19°4391	16	7°7266	7°5350	68° 79 9°5	458	37§	11°1876	19°3436	46§	22°2037	7°5791	68° 101 9°0
414	3*	20°5350	19°8960	5	9°5251	7°9110		459	23§	12°9054	19°6658	19*	23°9082	7°9643	68° 103 9°4
415				9	13°1551	7°4555		460	44§	3°5227	20°6818	43§	14°4940	8°6321	68° 86 8°9
416	9	14°6909	20°3395	5	3°7108	8°6241		461	13	3°6914	20°0924	14	14°6841	8°0509	
417	4*	23°2173	20°8025	7	12°2469	8°6908		462	10	4°0063	20°3193	7	14°9912	8°2885	
418	14	16°2580	21°0819	17	5°3113	9°2913		463	5*	4°3524	20°2854	5	15°3356	8°2703	
419	10	17°4724	22°7565	14	6°5990	10°9079		464	5*	4°7500	20°4631	5	15°7271	8°4621	
420				8	11°8907	10°7440		465	4†	5°7925	20°6378	5	16°7644	8°6744	68° 91 9°0
421	35§	24°1026	22°6721	32§	13°2208	10°5190	68° 84 9°4	466	44§	6°4491	20°8358	50§	17°4134	8°8963	
422	21	18°3649	23°0619	27	7°5055	11°1726	68° 78 9°5	467	4*	7°9415	20°1373	5*	18°9337	8°2537	
423	26§	19°4331	23°9740	31§	8°6141	12°0355	68° 81 9°0	468	5	8°8032	20°0424	4†	19°7949	8°1927	
424	3	23°2862	23°4033	9	12°4379	11°2892		469	10	12°8093	20°9484	8	23°7632	9°2475	68° 102 9°5
425	23	24°2656	23°5382	27	13°4201	11°3738	68° 85 9°4	470	8	13°3395	20°0260	6*	24°3279	8°3426	
426	9	17°2155	24°6214	10	6°4304	12°7816		471	21	3°1378	21°4009	24	14°0827	9°3393	
427	12	17°7998	24°4894	15	7°0052	12°6270		472	23	7°0544	21°5729	23	17°9910	9°6563	
428				4	10°9567	12°5197		473	5*	8°4176	21°1667	5	19°3676	9°3006	
429	4*	15°7898	25°1309	7	5°0265	13°3589		474	17	12°7528	21°9935	17	23°6695	10°2851	
430	7	21°3068	25°7447	13	10°5654	13°7146		475	36	4°1972	22°0873	33§	15°1162	10°0646	68° 88 9°5
431	43§	21°4612	25°6823	41§	10°7175	13°6474	68° 82 9°3	476	5†	5°4051	22°0758	7	16°3232	10°0994	
				80§	1°4667	7°7107	68° 70 8°5	477	37§	8°2210	22°4751	44§	19°1239	10°6001	68° 94 8°3
				52§	2°8052	8°9913	68° 71 9°0	478	20	10°7012	22°5027	21	21°6011	10°7189	68° 99 9°5
	48§	25°4645	20°8492				67° 106 8°9	479	16	13°0913	22°9797	19	23°9718	11°2834	
	35	15°5519	26°7927				68° 73 8°9	480	31§	13°3886	22°6954	44§	24°2807	11°0102	68° 104 9°3
	19	17°0244	26°9368				68° 75 9°0	481	10	4°0900	23°0235	14	14°9748	10°9960	
								482	28	5°5636	23°8618	28	16°4178	11°8870	
								483	12	6°2771	23°6367	15	17°1375	11°6909	
								484	24	7°7029	23°7054	24	18°5621	11°8103	
								485	5	11°7577	23°4246	4†	22°6221	11°6770	
								486	24	12°4568	23°6260	30	23°3148	11°9077	
								487	5†	13°5358	23°6662				
								488	8	13°9725	23°3154	6*	24°8397	11°6498	
								489				8	14°0855	12°4012	
								490	35	3°7674	24°8680	32	14°5853	12°8287	
								491	36§	10°4271	24°6195	38§	21°2484	12°8239	68° 98 9°3
								492	4*	10°7898	24°4992	4*	21°6157	12°7160	
								493	13	11°6796	24°2274	12	22°5139	12°4798	
								494	18	6°4161	25°3095	20	17°2143	13°3690	
								495	6*	7°3226	25°2832	9	18°1217	13°3735	
								496	8*	8°3949	25°6450	12	19°1825	13°7740	
								497	6*	10°3685	25°2453	7	21°1671	13°4467	
								498	6*	10°4258	25°2105	8	21°2256	13°4175	
R. A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup>															
Centre R. A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2377. 1894, Nov. 21.				R. A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1636. 1893, Dec. 1.											
432	10	11°7987	13°9885												
433	20	7°3273	14°4249	17	18°5249	2°5245									
434	62§	9°1402	14°4074	82§	20°3385	2°5703	67° 116 8°2								
435	9	10°0175	14°9262												
436	31§	11°0052	14°2361	40	22°2102	2°4691	67° 120 9°4								
437	28§	6°6265	15°4236	32§	17°7869	3°4914	67° 111 9°4								
438	9	10°0193	15°1765	5*	21°1892	3°3723									
439	38§	13°0345	15°6676	50	24°1838	3°9735	67° 125 9°0								

Plate 1636. No. 398. The 6<sup>min</sup>. image is on a *réseau* line. The diameter given is that of the 3<sup>min</sup>. image.

1 *réseau* interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>									R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								
Centre		R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre		R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2377. 1894, Nov. 21.					Plate 1636. 1893, Dec. 1.				Plate 2377. 1894, Nov. 21.					Plate 3297. 1896, Nov. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
499	11*	10°6304	25°3779	10	21°4255	13°5895			549	14	19°5170	20°7451	19§	8°5226	8°8049		
500	24	11°5491	25°2879	32	22°3449	13°5343			550	34§	21°3645	20°9837	24§	10°3798	8°9608		
									551	4*	14°0242	20°8543	9	3°0445	9°1735		
	41§	2°6174	15°8437	15	26°0522	3°1364	67	128	552	35§	16°8067	21°2215	37§	5°8390	9°4065	68	107
							67	104	553	18	16°9014	21°5087	23§	5°9484	9°6917	68	108
									554	7	18°6030	21°5456	16	7°6488	9°6481		
									555	5*	20°1463	21°8157	12	9°2005	9°8472		
									556	3*	22°0507	21°3368	6	11°0832	9°2767		
									557				5	11°1521	9°9895		
									558				3	11°5004	9°9428		
									559				4	11°8188	9°0510		
									560	2*	23°8719	21°2274	7	12°8962	9°0847		
									561	2*	14°3536	22°4379	5	3°4483	10°7378		
									562	4*	15°9477	21°9937	7	5°0185	10°2220		
									563	11	16°7136	22°5483	18	5°8094	10°7380		
									564				2	6°2264	10°3741		
									565				3	7°5007	10°5776		
									566				3	7°6252	10°6157		
									567	5*	18°8555	22°8985	12	7°9658	10°9890	68	109
									568	6*	20°0277	22°0176	10	9°0925	10°0545		
									569	6*	20°0363	22°0277	11	9°1048	10°0634		
							67	135	570	36§	20°2262	22°0913	31§	9°2958	10°1167	68	112
									571	4	20°4898	22°5474	7	9°5803	10°5629		
									572				4	12°5385	10°3633		
									573	2*	24°5083	22°8611	9	13°6099	10°6870		
									574	25	14°0023	23°1345	33§	3°1280	11°4495	68	105
							67	143	575	2*	14°4340	23°0994	6	3°5600	11°3968		
									576	16	16°0263	23°9725	21§	5°1880	12°1943		
									577	19	17°0763	23°8048	22§	6°2297	11°9745		
									578				3	6°9625	11°4345		
									579	2*	18°4617	23°7066	5	7°6082	11°8149		
									580	3*	19°4372	23°1088	6	8°5571	11°1736		
									581	9*	19°4818	23°7471	14	8°6286	11°8052		
									582	13	20°9818	23°4593	18	10°1132	11°4493		
									583				2	10°5284	11°7132		
									584				6	10°5897	11°7201		
									585				6	10°8145	11°4020		
									586	4*	21°9062	23°3833	11	11°0324	11°3261		
									587				10	11°5237	11°8607		
									588	8*	23°2919	23°0323	16	12°4006	10°9148		
									589				5	12°8852	11°2495		
									590				7	13°3149	11°8791		
									591				2	13°9442	11°4821		
									592				4	13°9767	11°8418		
									593				2	13°9912	11°5495		
									594				4	5°2774	12°6844		
							68	111	595				4	7°1767	12°4131		
									596	2*	18°6993	24°6197	6	7°8864	12°7133		
									597				2	7°9692	12°5988		
							68	113	598	14	19°0262	24°8752	19§	8°2277	12°9542		
									599	2*	20°7217	24°1722	8	9°8874	12°1741		
									600	3*	21°3384	24°5392	11	10°5201	12°5134		
									601	5*	21°3945	24°2404	15	10°5614	12°2086		
							68	115	602				2†	11°7997	12°9344		
									603				4	3°5080	13°8569		
									604	25	14°7653	25°1642	23§	3°9835	13°4415	68	106
									605	25	14°9533	25°1709	25§	4°1726	13°4397		
									606				4	5°4780	13°0594		
									607				4	7°4775	13°1370		

No. 574, B. D. 68° 105. The declination given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2377. 1894, Nov. 21.				R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.				Centre R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2322. 1894, Nov. 5.				R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
608				6	8.0507	13.4001	° m.	656	14	5.5840	20.3898	16	16.5965	8.4164	° m.
609				3	10.0317	13.1352		657	30§	5.6977	20.4251	30§	16.7087	8.4561	68 119 9.1
610				13	11.5056	13.2058		658				5	16.7579	8.2718	
611				8	11.5517	13.2678		659	7	6.0950	20.6863	11	17.0979	8.7340	
612	28	23.0030	25.9264	27§	12.2464	13.8142		660	14	6.1408	20.3540	17	17.1519	8.4023	
613	11*	23.1389	25.9237	21	12.3843	13.8101		661				5	17.2796	8.4760	
614				2	12.8737	13.5476		662	58§	7.9510	20.8626	60§	18.9454	8.9740	68 122 8.0
				63§	1.8106	4.0355	67 125 9.0	663	16	8.2746	19.9125	19§	19.3010	8.0350	
				65§	10.7380	1.3627	67 137 8.5	664	2*	8.4117	20.6397	5	19.4119	8.7687	
	84§	25.4075	25.4100				68 117 8.5	665	4†	8.4317	20.5866	8	19.4358	8.7150	
								666	8	8.9195	20.5962	12	19.9205	8.7436	
								667	6	9.0654	20.0637	10	20.0867	8.2147	
								668	6	9.2393	20.7147	11	20.2383	8.8735	
								669	5	10.1522	19.8417	8*	21.1805	8.0319	
								670	6	11.8634	20.7459	8	22.8585	8.9932	
								671	3*	12.5923	20.0911	6*	23.6121	8.3668	
								672	18	13.4346	20.0407	28§	24.4561	8.3479	
								673	7	13.7127	20.6138	9	24.7111	8.9292	
								674	5*	3.8834	21.9897	8	14.8379	9.9555	
								675	4*	3.9759	22.0127	9	14.9309	9.9845	
								676	13	4.1930	21.7509	17	15.1592	9.7305	
								677	7	5.1391	21.8270	10	16.0999	9.8374	
								678	5	6.7032	21.7329	9	17.6676	9.7987	
								679	2*	7.3503	21.2622	6	18.3296	9.3487	
								680	9	7.3727	21.2457	15	18.3523	9.3374	
								681				3	18.8191	9.5282	
								682	20	8.7838	21.1496	21§	19.7675	9.2922	
								683	14	12.7835	20.7228	22	23.7799	9.0048	
								684	14	13.1926	21.5683	26	24.1596	9.8643	
								685	16	13.5459	20.7830	25	24.5404	9.0919	
								686	9	3.9022	22.0643	15	14.8565	10.0323	68 118 9.5
								687	8	6.8613	22.0759	15	17.8112	10.1473	
								688				6	18.5717	10.8161	
								689				6	19.0779	10.4892	
								690	7	11.7128	22.3019	14	22.6528	10.5454	
								691	6	11.7453	22.3733	8	22.6846	10.6194	
								692	6	12.0617	21.7534	9	23.0200	10.0105	
								693	4†	12.1521	22.2183	7	23.0977	10.4744	
								694	4*	12.1566	21.8911	7	23.1112	10.1509	
								695	27§	12.9912	21.8449	39§	23.9487	10.1341	68 126 9.4
								696	6*	13.2072	22.0356	8	24.1555	10.3281	
								697				8	15.0085	11.4450	
								698	14	4.1223	23.7413	19	15.0160	11.7153	
								699				5	15.9119	11.3382	
								700	5*	9.7105	23.7462	11	20.5983	11.9207	
								701	20	12.7671	23.0248	23	23.6812	11.3048	
								702	24§	13.1758	23.9892	28§	24.0559	12.2845	68 127 9.5
								703	4*	13.4565	23.9072	9	24.3392	12.2118	
								704	2*	13.5852	23.7049	6*	24.4745	12.0144	
								705				6	14.3572	12.5738	
								706				9	16.1785	12.6660	
								707				5	16.2984	12.4369	
								708	22	5.8556	24.0885	20§	16.7377	12.1248	
								709				5	16.7510	12.0648	
								710				6	17.3312	12.7761	
								711	6*	7.9524	24.8272	8	18.8060	12.9350	
								712	15	11.7906	23.9645	19	22.6711	12.2090	
								713	7*	11.9100	24.3878	(4)	22.7764	12.6363	
								714	64§	3.7802	25.2275	51§	14.6220	13.1876	68 117 8.5

Plate 3297. No. 713. The 6<sup>min</sup>. image of this star is not measurable. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

B. D.								B. D.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	
R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2322. 1894, Nov. 5.				Plate 3297. 1896, Nov. 4.				Plate 2322. 1894, Nov. 5.				Plate 4097. 1898, Aug. 19.			
715				4	15°8451	13°3732		763	3	15°4979	21°6421	2*	4°5388	9°9778	
716				12	17°1210	13°7355		764	31§	16°0757	21°4197	24§	5°1069	9°7287	68 130 9'3
717	4*	8°0149	25°3445	10	18°8461	13°4569		765	3	16°9043	21°3789	2*	5°9326	9°6530	
718	13	8°8493	25°7943	18	19°6673	13°9343		766	20§	17°3366	21°6487	15§	6°3774	9°8995	68 131 9'5
719	31§	9°0520	25°3588	29§	19°8846	13°5050	68 123 9'0	767	2*	17°7773	21°1547	2*	6°7928	9°3833	
720				6†	21°4730	13°3131		768	6	17°8412	21°7811	5	6°8877	10°0100	
721	2*	13°4269	25°5310	4*	24°2515	13°8364		769	5	19°1473	21°2634	4*	8°1686	9°4331	
722	2*	13°3944	25°0597	7	24°2320	13°3622		770	2*	20°0132	21°4157	2*	9°0405	9°5462	
723	10	13°8411	24°7264	15	24°6930	13°0437		771	22§	17°9646	22°2455	19§	7°0288	10°4687	
								772	47§	21°0727	22°2649	46§	10°1360	10°3478	68 134 8'0
	31§	2°6624	16°5662				67 143 9'0	773				6	13°5615	10°9510	
	66§	11°1016	25°8583				68 125 7'3	774	21§	15°7784	23°2066	19§	4°8895	11°5272	
R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup>								775	15	18°7079	23°4203	12	7°8273	11°6082	
Centre R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				776	20	22°4034	23°7721	13	11°5337	11°7935	68 135 9'5
Plate 2322. 1894, Nov. 5.				Plate 4097. 1898, Aug. 19.				777	5	15°7594	24°9548	6*	4°9501	13°2733	
724	4	18°3140	14°0025	3*	7°0080	2°2185		778	6	16°0445	24°6563	4	5°2224	12°9648	
725	7	14°6528	15°0619	5*	3°4004	3°4431		779	6	16°3607	24°1610	6*	5°5145	12°4551	
726	4	17°9219	15°4157	3*	6°6792	3°6518		780	5†	19°1043	24°5508	4*	8°2680	12°7228	
727	5	22°6022	15°2760	4*	11°3485	3°2937		781	5*	20°8252	24°3712	4*	9°9835	12°4623	
728	9	22°7521	15°2776	8	11°4974	3°2914		782	17	15°0283	25°1540	14	4°2304	13°5100	
729	15	23°6401	15°0774	16	12°3773	3°0525		783	7	18°3767	25°6530	6	7°5998	13°8549	
730	3	15°7299	16°2146					784	24	19°7664	25°6679	19	8°9850	13°8048	
731	14	17°5656	16°1104	16	6°3558	4°3586		785	7*	24°2150	25°6188	7	13°4283	13°5536	
732	12	20°1447	16°1896	13	8°9358	4°3203			50§	25°6884	14°7515	51§	2°4312	3°3455	67 155 8'8
733	2†	20°4639	16°3207	2*	9°2589	4°4388			73§	25°0897	25°6199				67 173 8'5
734	129§	23°1381	16°3804	124§	11°9314	4°3739	67 169 5'2								68 137 9'0
735	12	23°5304	16°9958	7†	12°3522	4°9718		R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup>							
736	6	14°4089	17°9621	8†	3°2845	6°3525		Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
737	6	15°4157	17°3171	5*	4°2636	5°6618		Plate 2381. 1894, Nov. 21.				Plate 4097. 1898, Aug. 19.			
738	4	20°9451	17°2764	4*	9°7870	5°3725		786	50§	3°3584	14°7155	45§	14°4067	2°6344	67° 173. 8'5
739	3†	21°1150	17°2998	3*	9°9555	5°3835		787	13	5°2483	14°0363	9	16°3209	2°0235	
740	4	23°8646	17°0437	4*	12°6884	5°0043		788	9	5°6205	14°3582	7	16°6805	2°3595	
741	19§	14°5790	18°9346	20	3°4988	7°3153		789	8	6°6554	14°4788	6	17°7097	2°5178	
742	12	15°0297	18°3222	10	3°9208	6°6822		790	6	7°5331	14°0150	5*	18°6016	2°0881	
743	12	16°1362	18°8083	12	5°0500	7°1177	68 129 9'5	791	6	11°2175	14°4834	3*	22°2679	2°6873	
744	4	16°9106	18°0198	4*	5°7881	6°2932		792	9	13°6012	14°3475	7*	24°6592	2°6391	
745	4	17°9219	18°4051	3*	6°8159	6°6330		793	4	3°5574	15°1175	3*	14°5918	3°0416	
746	12	18°0993	18°6615	9*	7°0040	6°8829	68 132 9'5	794	7	3°7542	15°3697	9*	14°7777	3°3041	67 175 9'5
747	6	18°4470	18°2192	4*	7°3329	6°4233		795	18	6°4726	15°3687	17	17°4943	3°4012	67 177 9'5
748	3	19°6509	18°2000	3*	8°5322	6°3526		796	3	6°7960	15°5605	2*	17°8128	3°6016	
749	24§	20°1140	18°6955	20§	9°0175	6°8233		797	3	11°1015	15°9248				
750	13	20°4887	18°4500	11	9°3794	6°5626		798	64§	11°1873	15°4507	61§	22°2046	3°6510	67 181 8'4
751	4	14°2232	19°3369	4*	3°1611	7°7320		799	6	12°8223	15°6406	5*	23°8292	3°9047	
752	4	14°2441	19°1755	3*	3°1777	7°5739		800	16	9°7234	16°7994	15	20°6911	4°9486	
753	4	14°8175	19°2371	3*	3°7506	7°6059		801	6	9°7828	16°4212	4*	20°7648	4°5738	
754	4	16°8144	19°3164	3*	5°7481	7°5935		802	4	10°1124	16°5869	3*	21°0890	4°7489	
755	9	21°3435	19°1088	8	10°2645	7°1824		803	7	11°0660	16°3977	6*	22°0482	4°5945	
756	8	14°5150	20°9384	7*	3°5280	9°3210		804	13	12°4747	16°5020	12*	23°4514	4°7522	
757	3	14°8147	20°7378	3*	3°8176	9°1033		805	4	13°0441	16°3306				
758	24§	15°8084	20°6017	23§	4°8020	8°9244	68 128 9'5	806	3	5°2251	17°1211	2*	16°1867	5°1075	
759	4	16°4400	20°0932	2*	5°4116	8°3868		807	31§	7°1747	17°5142	29§	18°1182	5°5724	68 141 9'0
760	6	18°2050	20°1868	5*	7°1772	8°4029		808	21§	10°2648	17°2852	27§	21°2157	5°4535	68 147 9'5
761	13	22°8532	20°2375	12	11°8237	8°2421		809	23§	10°5400	17°6084	23§	21°4786	5°7860	68 148 9'4
762	24	24°4180	20°6475	20	13°4025	8°5814	68 136 9'5								

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°



## ZONE + 68°.

R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup> —contd.										R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 2381. 1894, Nov. 21.					Plate 4097. 1898, Aug. 19.					Plate 2381. 1894, Nov. 21.					Plate 3298. 1896, Nov. 4.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
810	13	3.9908	18.5826	9	14.8984	6.5228	°	m.	862	13	19.0323	16.1887	18	7.7593	4.2290	°	m.		
811	16	6.5374	18.0839	15	17.4601	6.1165			863	8	19.6774	16.5433	9	8.4194	4.5549				
812	5	9.6291	18.9880	4*	20.5177	7.1311			864	4*	20.7003	16.9912	4	9.4597	4.9550				
813	3	12.3256	18.3838						865	7	21.3771	16.4774	9	10.1141	4.4110				
814	64§	9.3948	19.5449	57§	20.2641	7.6770	68	145	866				3	10.6316	4.8912				
815	25§	9.6672	19.7180	23§	20.5289	7.8623	68	146	867	6	22.3241	16.8230	9	11.0766	4.7127				
816	4	9.9462	19.4829	2*	20.8146	7.6386			868	10	15.7448	17.9800	11	4.5576	6.1684				
817	11	10.2261	19.5751	10	21.0947	7.7407			869	4	15.9957	17.9512	6	4.8052	6.1306				
818	14	11.0293	19.4231	12	21.9010	7.6179			870	27§	16.8669	17.6865	33§	5.6625	5.8230	68	150		
819	4	11.2153	19.2814	4*	22.0956	7.4836			871	4*	21.7227	17.6757	8	10.5102	5.5928				
820	40§	3.9433	20.5468	30§	14.7829	8.4819	68	138	872	3*	24.1336	17.1272	10	12.9000	4.9342				
821	14	6.9095	20.7983	8	17.7327	8.8423			873				4	13.6082	5.8975				
822	16	7.7442	20.8705	9	18.5644	8.9438			874	12	15.9527	18.4015	16	4.7818	6.5807				
823	3	13.0937	20.4070	2*	23.9282	8.6721			875	12	19.1465	18.3603	13	7.9700	6.3933				
824	28§	4.4692	21.2023	22§	15.2805	9.1575	68	139	876	24§	19.6460	18.0626	25§	8.4581	6.0737				
825	14	4.7309	21.1032	8	15.5468	9.0688			877	5	22.4566	18.3100	9	11.2737	6.1942				
826	12	8.7757	21.6278	12	19.5679	9.7404			878	3	16.7062	19.0160	4	5.5679	7.1584				
827	7	9.8797	21.2325	6*	20.6860	9.3841			879	12	17.4411	19.9495	15	6.3395	8.0571				
828	4	6.7161	22.3013						880	28§	20.0344	19.1403	30§	8.8911	7.1338	68	154		
829	28§	8.4325	22.3481	23§	19.1993	10.4454	68	142	881	7	21.6444	19.6464	11	10.5238	7.5637				
830	4	13.4829	22.6788						882	4*	17.0931	20.8974	5	6.0352	9.0243				
831	10	13.9373	22.2192	8*	24.7027	10.5174			883	11	21.5372	20.0255	9	10.4351	7.9465				
832	15	5.7946	23.0060	8	16.5370	11.0073			884	9	22.1583	20.7727	11	11.0891	8.6650				
833	11	8.4593	23.9663	6*	19.1638	12.0641			885	7	22.5880	20.4074	11	11.5015	8.2818				
834	12	10.5018	23.6462	8	21.2204	11.8201			886	11	22.7132	20.7206	12	11.6392	8.5882				
835	7	6.5512	24.1633	5*	17.2502	12.1931			887	9	16.6475	21.0047	12	5.5973	9.1503				
836	7	7.6651	24.6187	6*	18.3480	12.6883			888	7	18.2349	21.4203	9	7.1991	9.4814				
837	12	8.8508	24.8519	6	19.5236	12.9643	68	143	889	2*	19.6665	21.7491	5	8.6419	9.7573				
838	8	3.5646	25.5957	8	14.2129	13.5149			890	6	14.5617	22.4666	12	3.5793	10.7037				
839	64§	3.6484	25.5952	45§	14.2990	13.5144	68	137	891				5†	6.0408	10.1300				
840	12	7.0353	25.4702	7*	17.6863	13.5136			892	9	19.5890	22.1569	14	8.5873	10.1651				
841	4*	8.1328	25.7264	3*	18.7782	13.8116			893	17	21.0760	22.2507	19§	10.0764	10.1946	68	155		
										894	2*	23.2491	22.1557	12	12.2482	10.0042			
										895	4	15.7119	23.3603	8	4.7678	11.5447			
										896	5	18.4070	23.3049	9	7.4589	11.3670			
										897	27	21.5655	23.6490	25§	10.6274	11.5650	68	157	
										898	40§	22.7490	23.1849	29§	11.7883	11.0465	68	158	
										899	24	19.1485	24.9835	22§	8.2754	13.0090	68	152	
										900	63§	19.5576	24.7993	62§	8.6731	12.8036	68	153	
										901	4*	14.0615	25.4554	9	3.2144	13.7113			
										902	25	15.7146	25.3840	24§	4.8626	13.5650			
										903	9	18.8017	25.8992	16	7.9702	13.9382			
										904				5	11.1251	13.3727			
										905				3	11.5321	13.1364			
										906	6*	22.5126	25.0923	9	11.6386	12.9615			
											45§	19.0577	26.3710				68	151	

## ZONE + 68°.

R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 615. 1892, Oct. 10.				R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3298. 1896, Nov. 4.				Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 615. 1892, Oct. 10.				R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2955. 1895, Nov. 17.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
912	33§	13°0250	14°0656	56§	24°2178	2°2889	67° 205 9°1	961	38§	16°6203	15°4703	41§	5°4413	3°5961	67° 208 9°0
913	24§	4°0549	15°6190	28§	15°1921	3°5225		962	4*	16°6668	15°4794	6	5°4895	3°6062	
914	20	5°2991	15°3057	22	16°4494	3°2541		963	4*	21°4622	15°5067	4*	10°2841	3°4323	
915	6	6°5579	15°8228	6	17°6893	3°8153		964	20§	21°7125	15°6764	22§	10°5423	3°5914	
916	16	6°6026	15°8076	19	17°7335	3°8014		965	7	22°0200	15°5193	7	10°8406	3°4198	
917	42§	6°6923	15°0035	52§	17°8546	2°9977	67 196 8.8	966				5	13°0302	3°8643	
918	37§	10°6919	15°3271	45§	21°8381	3°4665	67 202 8.9	967	9	15°6691	16°5498	14	4°5388	4°7142	
919	29§	12°3869	15°1418	46§	23°5426	3°3406		968	7	16°4537	16°8026	13	5°3340	4°9361	
920	7	5°3752	16°4228	10	16°4854	4°3741		969	5*	20°8079	16°7707	4	9°6810	4°7232	
921				4†	18°4307	4°4024		970	2*	15°7449	17°5491	5*	4°6584	5°7071	
922	6	8°3371	16°5776	4	19°4398	4°6328		971	29§	15°7952	17°7813	34§	4°7136	5°9384	68 170 9°3
923	5	9°0250	16°0788	6	20°1433	4°1614		972	6	18°2118	17°9648	9	7°1399	6°0245	
924	24§	12°1743	16°1368	34§	23°2921	4°3272		973	7	19°6692	17°3911	10	8°5701	5°3881	
925	39§	13°8348	16°4043	60§	24°9436	4°6552	68 168 8.5	974	20§	20°2004	17°4009	21§	9°1011	5°3760	68 172 9°4
926	22§	4°7687	17°1112	25§	15°8547	5°0387	68 161 9°5	975	2†	20°4866	17°4520	5	9°3895	5°4148	
927	60§	7°9046	17°6291	65§	18°9703	5°6677	68 166 7°5	976	4	20°7522	18°0230	6	9°6804	5°9773	
928	11	11°8189	17°6191	13	22°8840	5°7986		977	8	23°2713	17°5847	10	12°1771	5°4330	
929	7	4°4695	18°9647	12	15°4886	6°8788		978	11	15°8826	19°1633	15	4°8599	7°3158	
930	28§	4°6538	18°8223	31§	15°6781	6°7446	68 160 9°5	979	15§	18°7175	19°0607	18§	7°6899	7°0963	
931	14	8°8424	18°0484	16	19°8926	6°1229		980	4*	19°3900	19°6965	5	8°3846	7°7018	
932	24	11°8063	18°5225	33§	22°8375	6°7003	68 167 9°3	981	18§	20°1740	19°8153	19§	9°1752	7°7935	
933	3*	4°4670	19°1489	5	15°4815	7°0637		982	15	21°7258	19°2440	16	10°7012	7°1554	
934	33§	7°3811	19°9330	36§	18°3650	7°9533	68 163 9°0	983	3*	23°8220	19°7029	6	12°8141	7°5264	
935	4	10°9569	20°3819	6	21°9223	8°5271		984	5	16°4360	20°9945	7	5°4891	9°1250	
936	19	4°4649	21°1480	18	15°4068	9°0609		985	6	18°2422	20°6537	10	7°2796	8°7086	
937	6	6°4600	21°2703	7	17°3941	9°2566		986	41§	21°0150	20°3960	44§	10°0395	8°3357	68 174 8°2
938	38§	7°9743	21°1527	42§	18°9123	9°1929	68 165 9°0	987	5*	21°1024	20°3261	5	10°1288	8°2644	
939	13	10°8638	21°1586	18	21°7998	9°3029		988				6	11°9443	8°3174	
940	4†	11°3338	21°0762	3	22°2716	9°2381		989	13	24°3252	20°0628	14§	13°3325	7°8645	
941	6	13°3339	21°6046	8	24°2530	9°8361		990	4*	16°5422	21°5639	6	5°6179	9°6897	
942	20§	6°3367	22°3989	19§	17°2314	10°3787		991	5*	17°0649	21°7262	6	6°1497	9°8268	
943	21§	6°5360	22°8182	21§	17°4156	10°8054		992	8	17°1945	21°0582	8	6°2508	9°1570	
944				4	18°8794	10°8452		993	8	21°1560	21°1738	9	10°2128	9°1087	
945	16	9°1690	22°4412	18	20°0614	10°5238		994	4*	22°4300	21°0416	6	11°4793	8°9225	
946	5	13°6560	22°9820	7	24°5266	11°2241		995	56§	23°6938	21°5853	62§	12°7668	9°4145	68 176 7°5
947				6	15°3166	11°8656		996	3*	23°7250	21°6697	3	12°7977	9°4957	
948	9	5°7936	23°4993	10	16°6495	11°4594		997				3†	13°7307	9°5975	
949	13	6°1169	23°1309	14§	16°9875	11°1036		998	11	17°7021	22°1612	12	6°8025	10°2358	
950	40§	7°5618	23°4009	40§	18°4185	11°4247	68 164 8°7	999	3*	18°4366	22°3301	5	7°5438	10°3761	
951	8	9°1865	23°2519	8	20°0489	11°3353		1000	12	20°9652	22°3432	11	10°0712	10°2854	
952	5*	7°1216	24°4334	7	17°9415	12°4415		1001	18	21°7360	22°8861	18§	10°8644	10°7938	
953	8	7°5698	24°7943	10	18°3769	12°8192		1002	9	22°4396	22°7802	9	11°5647	10°6608	
954	18	12°7131	24°9987	21§	23°5101	13°2061		1003	6	18°0440	23°6520	6	7°2058	11°7129	
955	20	5°3093	25°3581	20	16°0976	13°3025		1004	6	18°3877	23°6369	7	7°5506	11°6835	
956	28	6°3646	25°7195	24§	17°1404	13°6990		1005	5	18°8251	23°4678	6	7°9807	11°4948	
957	17	12°4489	25°2583	19	23°2380	13°4554		1006				5	8°7228	11°4836	
				56§	18°7946	1°5971	67 199 9°0	1007	43§	20°2176	23°4769	46 §	9°3712	11°4473	68 173 8°4
								1008	9	20°3722	23°1913	8	9°5176	11°1574	
								1009	7	21°4145	23°5756	7	10°5702	11°4946	
								1010	6	22°0493	23°5126	7	11°2055	11°4076	
								1011	24§	14°1342	24°6702	26§	3°3414	12°8916	68 169 9°5
								1012	6†	17°0114	24°4083	6	6°2051	12°5153	
								1013	12	19°1701	24°4843	12	8°3678	12°4973	
								1014	20	20°0005	24°5945	20§	9°2006	12°5745	
								1015	19	20°0415	24°9377	19§	9°2544	12°9151	
								1016	28§	20°7938	24°3964	23§	9°9865	12°3431	
								1017	16	20°8563	24°4269	15§	10°0502	12°3712	
								1018	19	22°8091	24°3129	17§	11°9980	12°1754	
								1019	8	16°1157	25°1969	9	5°3432	13°3361	
R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup>															
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 615. 1892, Oct. 10.				R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2955. 1895, Nov. 17.											
958	8	14°7692	14°4680	8	3°5527	2°6727	° m.								
959	8	24°3489	14°6003	10	13°1309	2°4063									
960	3	15°3259	15°2212	6	4°1376	3°3994									



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R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				
Plate 615. 1892, Oct. 10.				Plate 2955. 1895, Nov. 17.					Plate 706. 1892, Dec. 25.				Plate 2955. 1895, Nov. 17.				
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.		No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D.	
</																	

## ZONE + 68°.

R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>									R.A. 2 <sup>h</sup> 50 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup>										
Centre		R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre		R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 706. 1892, Dec. 25.				Plate 3740. 1897, Dec. 2.					Plate 720. 1893, Jan. 2.				Plate 3740. 1897, Dec. 2.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.									No.	Mag.	
1113	3	17°47'28	19°14'47	7	6°45'93	7°27'33	°	m.	1166				7	14°61'76	2°99'55	°	m.		
1114				6	7°64'38	7°74'39			1167				10	17°36'55	2°20'97				
1115	8	19°68'82	19°05'05	14	8°67'36	7°08'62			1168				10	17°71'60	2°71'04				
1116				5	8°82'02	7°73'13			1169	8	6°71'50	14°10'32	248	17°97'37	2°25'63				
1117	288	20°04'44	19°49'51	338	9°04'59	7°51'18	68	204	9.5	1170			5	23°47'23	2°80'02				
1118	6	22°41'33	19°33'21	10	11°40'74	7°24'08			1171	9	3°79'62	15°66'38	248	15°00'37	3°71'97				
1119	548	22°65'19	19°27'19	728	11°64'07	7°17'06	68	208	8.6	1172	238	8°22'31	15°29'75	498	19°43'96	3°49'90	67	239	9.0
1120				5	4°37'59	8°42'24			1173	8	9°17'67	15°27'51	228	20°39'15	3°51'15	67	241	9.3	
1121	14	15°67'49	20°77'96	22	4°73'54	8°98'25			1174	208	9°42'25	15°57'89	458	20°63'10	3°81'92	67	242	9.0	
1122	5	17°85'69	20°47'42	11	6°90'08	8°58'76			1175				4	20°65'11	3°91'67				
1123	17	19°95'95	20°21'07	208	8°99'08	8°23'11			1176				4	14°46'89	4°05'87				
1124	448	21°69'01	20°89'91	578	10°75'12	8°84'82	68	206	8.5	1177			4	18°33'87	4°05'17				
1125				6	10°86'01	8°88'72			1178				4	19°20'15	4°85'61				
1126				4	10°93'01	8°93'41			1179				6	20°61'40	4°89'61				
1127	20	23°87'69	20°73'09	268	12°92'98	8°58'56			1180				8	20°80'50	4°75'07				
1128				8	13°46'94	8°02'27			1181				6	22°01'97	4°68'81				
1129	8	14°01'37	20°87'13	16	3°08'06	9°14'85			1182				5	22°10'99	4°46'13				
1130	8	15°87'47	21°69'45	18	4°97'80	9°89'02			1183				3	22°79'85	4°53'71				
1131	4	17°58'44	21°36'92	9	6°67'20	9°48'91			1184	218	4°67'00	17°09'57	408	15°82'83	5°17'99	68	213	9.0	
1132	20	17°70'61	21°13'35	268	6°78'12	9°24'89			1185				4	16°07'77	5°05'57				
1133				7	8°09'94	9°40'37			1186				6	16°09'27	5°57'05				
1134				4	8°27'01	9°26'53			1187	5*	7°00'09	17°62'35	16	18°14'07	5°78'74				
1135				3	9°21'58	9°46'34			1188	8	8°86'58	16°79'32	238	20°03'47	5°01'53				
1136	5*	21°20'41	21°30'96	12	10°28'06	9°27'99			1189				5	20°19'27	5°81'25				
1137				5	11°96'62	9°82'76			1190	8	9°90'40	16°84'80	248	21°07'07	5°10'28				
1138				11	12°34'47	9°63'35			1191	4*	10°32'53	17°09'77	14	21°48'77	5°37'10				
1139				6	13°12'21	9°34'05			1192				4	16°34'67	6°24'23				
1140				6	13°23'86	9°05'84			1193				5	17°21'61	6°92'12				
1141				5	5°31'17	10°10'69			1194				8	22°47'84	6°07'74				
1142				5	5°56'36	10°01'00			1195				8	22°94'67	6°78'41				
1143				5	7°97'15	10°09'40			1196	4*	11°93'18	18°53'90	15	23°04'02	6°86'36				
1144	368	19°21'14	22°30'28	468	8°33'15	10°35'24	68	202	9.0	1197	208	13°69'97	18°26'81	508	24°81'82	6°65'05	68	218	9.5
1145	5	20°04'32	22°29'76	8	9°16'70	10°31'56			1198				5	15°20'81	7°80'06				
1146	12	20°10'53	22°37'77	188	9°22'81	10°39'08			1199	3	5°42'54	19°83'04	9	16°49'26	7°93'91				
1147				5	10°43'26	10°39'89			1200	4	10°82'08	19°62'94	17	21°89'60	7°91'68				
1148				5	10°97'78	10°59'25			1201				6	22°01'65	7°86'12				
1149	30	22°57'37	22°62'49	368	11°70'65	10°53'29	68	207	9.5	1202			8	22°90'11	7°26'23				
1150				5	6°32'06	11°84'74			1203				6†	24°39'78	7°03'00				
1151				9	9°12'82	11°16'21			1204				4	14°53'15	8°56'71				
1152				5	10°54'40	11°32'81			1205				4	16°86'18	8°95'95				
1153	748	23°78'05	23°66'40	738	12°95'73	11°51'77	68	209	7.8	1206			3	19°64'07	8°44'74				
1154	21	24°06'05	23°60'25	288	13°23'53	11°44'64	68	210	9.5	1207			12	20°00'97	8°60'01				
1155	18	15°12'29	24°60'17	288	4°34'83	12°82'81			1208				7	20°21'19	8°42'88				
1156				8	7°49'93	12°86'91			1209	208	9°77'80	20°63'73	398	20°82'10	8°88'85	68	217	9.2	
1157	27	19°92'63	24°20'58	318	9°13'35	12°22'33			1210				3†	22°18'12	8°25'98				
1158				4	10°59'36	12°56'57			1211				4	14°77'87	9°18'71				
1159	3*	21°66'15	25°05'17	10	10°89'88	12°99'15			1212				6	15°89'78	9°37'98				
1160	20	22°81'15	25°05'07	278	12°04'69	12°94'68			1213				3	18°50'42	9°86'65				
1161				6	12°98'95	12°91'59			1214				2	19°39'98	9°66'24				
1162	7	14°19'44	24°83'06	13	3°43'10	13°09'53			1215				4	19°44'85	9°37'94				
1163				6	7°01'17	13°74'30			1216	18	9°76'98	21°25'00	388	20°79'06	9°50'05	68	216	9.4	
1164	19	18°73'31	25°80'91	248	8°00'90	13°88'01			1217				4	20°88'79	9°52'20				
1165	8	20°30'92	25°39'61	14	9°56'48	13°40'00			1218	3†	11°84'13	21°56'67	10	22°85'32	9°88'71				
									1219	5	7°07'10	22°74'90	16	18°04'10	10°91'45				
				498	2°89'34	7°60'78	68	193	9.2	1220			15	18°06'26	10°34'08				
	388	26°91'54	17°45'12				68	213	9.0	1221	15	9°26'60	22°01'00	348	20°26'10	10°24'42	68	215	9.4
	14	25°50'99	23°58'06				68	211	9.1	1222			4	21°34'78	10°68'15				
	458	15°81'36	26°47'41				68	197	9.3	1223			2	21°75'50	10°11'64				
									1224				7	21°86'91	10°70'20				

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 2 <sup>h</sup> 50 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 10 <sup>m</sup> —contd.										
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.				R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3740. 1897, Dec. 2.					Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1697. 1893, Dec. 16.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
1225				15	22°5407	10°4111		m.	1271	4*	21°9757	17°2975	13	10°8939	5°2595		m.		
1226				8	23°5346	10°1958			1272	3*	22°8857	18°0551	10	11°8409	5°9748				
1227	3*	13°3876	22°4631	9	24°3636	10°8347			1273				12	13°2513	5°4150				
1228				5	24°4909	10°2105			1274				6	11°8009	6°8094				
1229	5*	13°5639	22°2048	19	24°5489	10°5805			1275	14	14°0450	19°0592	26§	3°0525	7°3831	68	219		
1230				3	24°6936	10°4815			1276	13	14°0698	19°0513	26§	3°0777	7°3749		9'4		
1231	7	3°7282	23°3143	23§	14°6810	11°3636	68	211	1277	8*	15°4762	19°6712	12	4°5139	7°9316				
1232				8	14°7095	11°8427			1278				14	4°5650	7°4239				
1233				3	16°5298	11°4530			1279				7	5°4238	7°9892				
1234				4	17°4905	11°5400			1280				10	6°5760	7°4930				
1235	5*	8°3931	23°3666	22§	19°3448	11°5719			1281	18	17°5840	19°4199	15	6°6050	7°5805	68	225		
1236				7	19°4286	11°9867			1282	8	18°6811	18°9068	19	7°6760	7°0192		9'5		
1237				10	19°8493	11°3157			1283	4*	19°4476	19°4442	15	8°4660	7°5212				
1238				5	20°9021	11°6864			1284				8	11°5865	7°8109				
1239				4	15°4680	12°6463			1285				9	11°6962	7°7589				
1240	8	5°7533	23°8886	23§	16°6876	12°0070			1286				12	12°9217	7°2481				
1241				3	16°7515	12°5811			1287				7†	4°8154	8°7085				
1242	26§	6°8050	23°8733	46§	17°7400	12°0258	68	214	1288	15	16°1595	20°4203	25§	5°2296	8°6497				
1243				6	20°0274	12°8619			1289	4*	16°7038	20°2806	13	5°7725	8°4801				
1244				4	14°5892	13°5708			1290	9†	20°0722	20°8610	19	9°1611	8°9084				
1245				4	14°7663	13°1212			1291	4*	24°2028	20°5499	16	13°2704	8°4021				
1246	5*	4°7928	25°1766	18§	15°6875	13°2569			1292	17	14°8317	20°8759	27§	3°9230	9°1672				
1247				3	15°9410	13°4200			1293				12	9°7564	9°8483				
1248				5	17°4985	13°4803			1294	4*	20°9572	21°9297	16	10°0957	9°9339				
1249	7*	6°6409	25°7988	24§	17°5097	13°9465			1295				7	12°8999	9°7804				
1250				3	18°6461	13°7210			1296	12	18°4812	22°1687	23§	7°6278	10°2857	68	226		
1251				6	19°9126	13°4389			1297	6*	18°7047	22°3705	16	7°8661	10°4800		9'5		
1252				6	20°7159	13°9820			1298				7	9°4245	10°3372				
1253				6	20°8985	13°8788			1299	13	21°5347	22°6200	24§	10°7010	10°5971	68	228		
1254				3	23°0998	13°4681			1300	15	23°0150	22°1215	25§	12°1598	10°0307	68	231		
				85§	26°4894	2°0527	67	246	1301				16	12°7672	10°2699				
				57§	26°3598	6°1111	68	220	1302				7	5°8574	11°6197				
	19	1°6027	15°6568				67	235	1303				8	9°4604	11°4814				
	62§	2°0040	23°5262				68	209	1304				8	9°6446	11°3880				
	10*	2°2835	23°4428				68	210	1305				6	11°0342	11°9227				
R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 10 <sup>m</sup>									R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1697. 1893, Dec. 16.										
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1697. 1893, Dec. 16.					Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 720. 1893, Jan. 2.				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1697. 1893, Dec. 16.						
1255	9	15°7767	14°4332	19	4°5702	2°6840		m.	1313				15	4°7427	13°4272				
1256	19	20°9284	14°0287	35§	9°6992	2°0398	67	251	1314	17	16°4783	25°1313	27§	5°7688	13°3421	68	223		
1257	20	22°2621	14°1858	40§	11°0360	2°1323	67	253	1315	6*	18°3260	25°0060	15	7°6070	13°1297		9'4		
1258				12	13°3648	2°0020			1316	15	19°2643	25°2135	29§	8°5503	13°2925	68	227		
1259	10	14°9174	15°2807	12	3°7532	3°5683			1317	37§	21°4937	25°5500	52§	10°7948	13°5230	68	229		
1260	8	15°5673	14°8888	16	4°3812	3°1488			1318				20§	12°8734	13°9441		9'0		
1261	36§	19°1581	15°7307	59§	8°0067	3°8203	67	250	1319	24	24°0018	26°0997	38§	13°3275	13°9584	68	232		
1262	4*	20°2843	15°7587	14	9°1336	3°7956							76§	3°9670	1°8942	67	246		
1263	6*	14°5762	16°1810	13	3°4527	4°4881							61§	5°5919	2°0820	67	248		
1264	6*	14°6563	16°1489	11	3°5304	4°4439				18	25°1093	23°8003				68	235		
1265				14	8°4495	4°6785											8'8		
1266				11	10°9075	4°9376											8'9		
1267	19	24°5411	16°9247	32§	13°4408	4°7679	68	233									8'8		
1268	22§	15°2232	17°6815	49§	4°1644	5°9523	68	220									8'9		
1269	20	16°0137	16°8423	42§	4°9160	5°0806	68	222									9'5		
1270				5	10°0957	5°2449													

1 Réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup>								R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 715. 1892, Dec. 30.				Plate 1697. 1893, Dec. 16.				Plate 715. 1892, Dec. 30.				Plate 1697. 1893, Dec. 16.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.										

No. 1399, B. D. 67° 280. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 3 <sup>h</sup> 20 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			Centre R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°								
Plate 715. 1892, Dec. 30.			Plate 1698. 1893, Dec. 16.			Plate 2992. 1896, Feb. 3.			Plate 1698. 1893, Dec. 16.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
1426	7	14°2927	21°2827	8	3°4309	9°5821	°	m.	1476	15	10°9688	17°1550	378	22°1155	5°3452	68° 277	m.
1427	7	15°4212	21°5027	8	4°5670	9°7482			1477	10	5°8419	18°1863	188	16°9521	6°1699		9°5
1428	7	17°1971	21°5305	11	6°3427	9°6909			1478	238	6°1191	18°0600	358	17°2345	6°0545	68 269	9°1
1429	4*	17°9720	21°0081	5*	7°0903	9°1353			1479	2*	9°1776	18°1322	4*	20°2865	6°2485		
1430	188	20°9845	21°3391	308	10°1167	9°3224	68 259	9°1	1480	8	11°2905	18°5846	18	22°3790	6°7862		
1431	12	23°6185	21°4599	19	12°7540	9°3227			1481	18	12°0210	18°1761	358	23°1248	6°4068	68 278	9°0
1432	12	16°3615	22°3797	198	5°5476	10°5800	68 255	9°4	1482	5	12°0375	18°2305	9	23°1378	6°4623		
1433	14	16°4976	22°5804	218	5°6913	10°7714			1483	10	12°0459	18°3981	25	23°1418	6°6313		
1434	12	16°9858	22°6107	16	6°1823	10°7810			1484	3	12°6879	18°5604	4*	23°7785	6°8166		
1435	4*	20°1402	22°3955	8	9°3240	10°4189			1485	5	13°7701	18°1028					
1436	17	21°9955	22°9910	188	11°2030	10°9248			1486	7	5°5079	19°7078	12	16°5565	7°6759		
1437	20	23°0705	22°9028	318	12°2748	10°7894	68 261	9°3	1487	3	8°6878	19°5326	6	19°7405	7°6301		
1438	3*	23°2638	22°9981	8	12°4696	10°8745			1488	6	13°8857	19°4698	8	24°9375	7°7767		
1439	4*	23°7325	22°3842	8	12°9098	10°2423			1489				6	14°3828	8°6710		
1440	4*	24°3192	22°4786	8	13°4964	10°3040			1490	11	3°5343	20°2900	18	14°5598	8°1814		
1441	4*	24°5263	22°9242	9	13°7273	10°7398			1491	20	3°8689	20°8559	248	14°8706	8°7567		
1442	188	14°7753	23°2637	298	4°0055	11°5360	68 251	9°3	1492	288	8°3322	20°4846	408	19°3484	8°5660	68 272	9°2
1443	4*	17°3933	23°5470	4	6°6328	11°6994			1493	278	8°5889	19°9993	418	19°6214	8°0925	68 273	8°3
1444	8	20°3081	23°1933	10	9°5287	11°2070			1494	8	9°5792	20°6664	16	20°5853	8°7990		
1445	4*	20°8079	23°6000	6	10°0458	11°5879			1495	12	10°4994	20°5115	24	21°5104	8°6807	68 276	9°5
1446				4†	10°0772	11°7863			1496	6	10°4994	20°5357	14	21°5102	8°7041		
1447	4*	20°9896	23°9466	6	10°2422	11°9325			1497	7	4°2562	21°1339	11	15°2459	9°0508		
1448	178	14°3505	24°2924	278	3°6297	12°5847			1498				7	15°3147	9°5999		
1449	208	15°9535	24°8938	258	5°2571	13°1125	68 254	9°5	1499				6	15°3550	9°9476		
1450	2*	16°4375	24°6211	6	5°7284	12°8150			1500	7	5°0861	21°1693	10	16°0750	9°1218		
1451				6	11°7596	12°4287			1501	10	5°1468	21°1028	17	16°1391	9°0575		
1452	5†	23°0023	24°8455	11	12°2955	12°7325			1502	5	7°0277	21°5357	9	17°9990	9°5637		
1453	5*	19°8171	25°3893	8	9°1380	13°4254			1503	17	7°2081	21°6933	21	18°1745	9°7298		
1454	5	19°8499	25°4727	10	9°1752	13°5055			1504	4†	8°2673	21°6051					
1455	13	20°5996	25°9220	17	9°9469	13°9189			1505	3	10°2068	21°3963	5	21°1845	9°5512		
1456	5*	21°5098	25°7584	11	10°8486	13°7141			1506	10	12°2065	21°1213	21	23°1938	9°3575		
1457	17	22°8212	25°1319	258	12°1286	13°0277	68 260	9°5	1507	30	3°7234	22°9908	338	14°6398	10°8847	68 266	9°3
1458	228	23°2359	25°5589	298	12°5603	13°4331	68 263	9°4	1508				4	17°3793	10°2042		
1459				5	13°5856	13°0853			1509				4	17°9100	10°9576		
				778	2°4481	13°4111	68 249	7°0	1510	23	6°7822	22°4350	268	17°7197	10°4538	68 270	9°4
									1511	6*	8°3165	21°9407	9	19°2734	10°0215		
									1512	5	9°7932	22°0170	8	20°7455	10°1575		
									1513	19	12°4411	22°3903	35	23°3764	10°6358		
									1514	6	13°4492	22°3083	7	24°3871	10°5943		
									1515	5*	7°4364	23°5424	10	18°3281	11°5871		
									1516				5	18°3367	11°6345		
									1517	3*	9°4478	22°9708	5	20°3596	11°0983		
									1518	10	11°6724	22°8077	19	22°5916	11°0225		
									1519	18	13°3859	23°2115	31	24°2868	11°4941	68 281	9°5
									1520	10	13°6043	23°5413	19	24°4885	11°8321	68 282	9°5
									1521	29	4°4497	24°3759	298	15°3092	12°2983	68 267	9°5
									1522				6	15°3997	12°3529		
									1523				3	17°4263	12°1916		
									1524				4	18°9530	12°1615		
									1525	6	11°8541	24°0901	14	22°7203	12°3127		
									1526	398	13°1744	24°6229	538	24°0180	12°8958	68 280	8°0
									1527				10	14°1466	13°6559		
									1528				3	14°2592	13°1935		
									1529				10	15°7341	13°1610		
									1530				8	16°2465	13°7749		
									1531				3	18°3508	13°6350		
									1532	308	8°1791	25°2859	308	19°0027	13°3570	68 271	9°4
									1533	21	9°1232	25°8493	268	19°9209	13°9585		
									1534				3	20°3231	13°4644		

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>									R.A. 3 <sup>h</sup> 40 <sup>m</sup> to 3 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			Centre R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°																
Plate 2992. 1896, Feb. 3.			Plate 1698. 1893, Dec. 16.			Plate 2992. 1896, Feb. 3.			Plate 1793. 1894, Feb. 13.																
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
								No.									No.								
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1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup> —contd.										
Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°							
Plate 1749. 1894, Jan. 18.			Plate 1793. 1894, Feb. 13.						Plate 1749. 1894, Jan. 18.			Plate 1794. 1894, Feb. 13.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
								No.	Mag.									No.	Mag.
1631	17	9°3498	23°3851				°	m.	1680	18	17°3079	20°5877	8*	6°3672	8°6230	°	m.		
1632	24	12°8434	23°4725	8†	23°8246	11°7301	68	304	9°5	1681	19	21°0824	20°6412	12	10°1388	8°4953			
1633	7	4°2483	24°4883						1682	8	17°1535	21°3239	2*	6°2523	9°3687				
1634	58§	6°4355	24°7687	26§	17°3735	12°7785	68	301	8°8	1683	5	19°0825	21°0673						
1635	8†	6°9612	24°1000						1684	39§	16°0606	22°6534	34§	5°2215	10°7482	68	306	9°0	
1636	25§	10°7284	24°4639	12	21°6732	12°6403			1685	35§	19°1662	22°3625	21§	8°3101	10°3082	68	311	9°5	
1637	9	7°8929	25°0322						1686	42§	20°6343	22°6239	26§	9°7885	10°4968	68	312	9°3	
1638	20	8°5366	25°4401	6	19°4465	13°5274			1687	7†	22°7838	22°2921	3*	11°9199	10°0617				
1639	10	12°4355	25°5213						1688	9	16°4733	23°3098	2*	5°6650	11°3815				
									1689	16	18°1273	23°3398	6	7°3199	11°3332				
	68§	1°3561	14°9216	79§	25°3257	3°4769	67	310	7°4	1690	7	18°7043	23°3721	2*	7°8968	11°3391			
							67	299	8°4	1691	23	22°4931	23°0498	8	11°6650	10°8327			
									1692	8	23°2293	23°2325	6*	12°4094	10°9797				
									1693	23§	16°2723	24°3837	14	5°5169	12°4664	68	308	9°5	
									1694	30§	16°2847	24°3383	19	5°5275	12°4219				
									1695	34§	17°7333	24°0677	19	6°9610	12°0792				
									1696	23	18°4446	24°8377	12	7°7085	12°8136				
									1697	42§	21°0687	24°7784	22	10°3256	12°6296	68	313	9°5	
									1698	9	21°3375	24°7558	4*	10°5956	12°5945	68	314	9°5	
									1699	7†	21°7337	24°4677	3*	10°9745	12°2826				
									1700	9*	24°4787	24°4193	7	13°7149	12°1011				
									1701	33§	17°6165	25°0388	19	6°8918	13°0575				
										80§	26°7116	21°9818				68	317	9°0	
										80§	26°8554	22°0995				68	318	9°0	
										50§	16°2102	26°0507				68	307	8°9	
R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup>									R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup>										
Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 1749. 1894, Jan. 18.			Plate 1794. 1894, Feb. 13.						Plate 1675. 1893, Dec. 7.			Plate 1794. 1894, Feb. 13.							
1640	6	15°4176	14°1015				°	m.	1702	11	7°7846	14°2398	10	19°0766	1°9820	°	m.		
1641	48§	17°3203	14°7277	44§	6°0990	2°7706	67	312	9°0	1703	4	6°1916	15°9918	4	17°4296	3°6797			
1642	18§	17°4844	14°8886	7	6°2711	2°9245			1704	23§	10°8881	15°3811	24	22°1466	3°2209	68	325	9°2	
1643	33§	18°6291	14°5238	30	7°3968	2°5042			1705	14	10°8902	15°5597	15	22°1413	3°3998				
1644	6	18°7178	14°4103						1706	3*	4°2640	16°8040	4*	15°4753	4°4298				
1645	7	19°0193	14°9039						1707	11	7°3192	16°3025	11	18°5463	4°0293				
1646	5	21°1803	14°7717						1708	10	9°3070	16°1603	11	20°5388	3°9508				
1647	30§	22°2499	14°9380	25§	11°0305	2°7430	67	316	9°5	1709	6	3°9148	17°7462	8	15°0978	5°3607			
1648	7	23°9167	14°4831						1710	20	5°7960	17°1869	25	16°9980	4°8611	68	319	9°0	
1649	6	23°9520	14°8477						1711	25§	8°1777	17°5235	28§	19°3678	5°2752	68	322	9°1	
1650	80§	14°0193	15°1681	80§	2°8209	3°3667	67	310	7°4	1712	19§	10°8635	17°2056	20	22°0621	5°0433	68	323	9°5
1651	4	15°6811	15°6915						1713	7	11°2896	17°5625	7*	22°4776	5°4139				
1652	15	16°7586	15°3326						1714	2*	4°7083	18°4133	6	15°8707	6°0527				
1653	8	16°8666	15°4654						1715	6	6°0773	18°1294	9	17°2461	5°8119				
1654	4	17°7408	15°2007						1716	11	9°2420	18°8595	12	20°3860	6°6456				
1655	24	17°9618	15°3316	15	6°7670	3°3439			1717	9	11°5363	18°3107	8*	22°6989	6°1737				
1656	10	22°3346	15°1951						1718	19§	11°5604	18°4005	23	22°7196	6°2615	68	326	9°5	
1657	13	22°3562	15°5033						1719	4	9°1555	19°7483	6*	20°2735	7°5323				
1658	5†	22°3963	15°9004						1720	18§	10°6715	20°3472	19	21°7687	8°1786	68	324	9°5	
1659	72§	17°1258	16°7899	60§	6°0025	4°8366	68	310	6°5	1721	38§	4°7749	21°9199	29§	15°8243	9°5600	68	317	9°0
1660	6	18°9008	16°6186						1722	10	9°5159	21°4274	11	20°5792	9°2212				
1661	29	24°3724	16°4386	14	13°2236	4°1387			1723	12	10°1513	21°2441	12	21°2196	9°0569				
1662	12	16°0853	17°7772	6*	5°0135	5°8773			1724	36§	4°9280	22°0253	25§	15°9743	9°6693	68	318	9°0	
1663	14	17°1864	17°5254	7*	6°1009	5°5724			1725	5	10°9176	22°8215	6	21°9348	10°6606				
1664	4	17°2551	17°5696						1726	44§	6°7898	24°8197	36§	17°7442	12°5249	68	320	8°1	
1665	6	17°2648	17°2120						1727	3*	8°9840	24°8423	7	19°9353	12°6203				
1666	7	20°7265	17°2160																
1667	12	21°1183	17°1316																
1668	5	23°5222	17°9858																
1669	15	14°9182	18°8168	5*	3°8970	6°9773													
1670	6†	16°2061	18°3471																
1671	11	18°3079	18°5274	4*	7°2682	6°5193													
1672	6	18°6319	18°1352																
1673	16	21°1722	18°0865	5*	10°1060	5°9402													
1674	45§	23°6673	18°3967	26§	12°6126	6°1273	68	315	9°3										
1675	36§	16°9683	19°9853	24§	5°9985	8°0383	68	309	9°2										
1676	2	17°5633	19°7246																
1677	11	18°8862	19°4079																
1678	18	21°2423	19°2499	8	10°2334	7°0975													
1679	6*	24°9522	19°2226	4*	13°9345	6°8935													

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

ZONE + 68°.

R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup> —contd.											
Centre		R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°		R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		Plate 1675. 1893, Dec. 7.		Plate 1794. 1894, Feb. 13.		Centre		R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		Plate 2988. 1896, Feb. 2.		Plate 3354. 1897, Feb. 7.	
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.							No.	Mag.		
1728	17	7.7980	25.6955	19	18.7230	13.4305	68° 321	m.	1763	7	8.4994	15.8917							
1729	8	7.8808	25.7061	14	18.8053	13.4453			1764	4	6.6264	16.3234							
1730	4	10.7123	25.9408	9	21.6291	13.7705			1765	5	10.8014	16.5910							
1731	12	13.7351	25.1080	16	24.6752	13.0360	68 328	9.5	1766	16	13.7142	16.3688	5*	24.8254	4.5993				
1732	17	4.0533	26.2061	178	14.9643	13.8208	68 316	9.3	1767	10	3.0125	17.5545	6	14.0886	5.3918				
									1768	20	3.0313	17.5391	10	14.1087	5.3754	68 341	9.5		
	23	12.4343	26.5832				68 327	9.1	1769	3	5.3398	17.3271							
									1770	3	11.2010	17.4373							
									1771	9	13.3425	17.5569							
									1772	5	3.3158	18.8298	3*	14.5414	6.6827				
									1773	12	5.1613	18.8078	4	16.1891	6.7212				
									1774	6	6.4395	18.5782	2†	17.4753	6.5410				
									1775	5	6.9209	18.9417	2†	17.9420	6.9216				
									1776	4	9.6416	18.2742							
									1777	17	4.1937	19.9319	6	15.1804	7.8076				
									1778	3	8.4685	19.2783	3*	19.4735	7.3131				
									1779	3	8.6763	19.8694	2*	19.6602	7.9126				
									1780	338	11.2262	19.3798	278	22.2294	7.5158	68 346	9.0		
									1781	11	11.5315	19.8452	4	22.5133	7.9940				
									1782	2	12.3615	19.3197							
									1783	10	13.5123	19.0749							
									1784	4†	3.4702	20.9130	2†	14.4167	8.7641				
									1785	3	5.1493	20.0719	2*	16.1301	7.9836				
									1786	4	5.9592	20.2293	2*	16.9308	8.1710				
									1787	5	9.6270	20.6285	2*	20.5836	8.7073				
									1788	8	9.6700	20.9152	3	20.6161	8.9938				
									1789	3	9.8872	20.8364							
									1790	4	10.7123	20.7752							
									1791	3	13.7214	20.9793							
									1792	5	4.6533	21.8133	3*	15.5691	9.7067				
									1793	288	8.6197	21.3728	22	19.5508	9.4124	68 345	9.1		
									1794	2	8.9711	21.8022							
									1795	4†	9.5543	21.7947							
									1796	5	9.7567	21.4549	3*	20.6822	9.5355				
									1797	16	9.9006	21.7210	8	20.8147	9.8058				
									1798	6	10.7571	21.1384	2*	21.6935	9.2573				
									1799	18	12.4025	21.9748	13	23.3060	10.1526				
									1800	18	8.1109	22.9813	8	18.9802	11.0010				
									1801	288	10.1038	22.5181	13	20.9905	10.6113				
									1802	4	11.4780	22.2191	3*	22.3755	10.3632				
									1803	5	7.6421	23.6046	3*	18.4892	11.6076				
									1804	23	7.7950	23.4717	9	18.6464	11.4782	68 344	9.5		
									1805	5	8.3139	23.5785	4	19.1617	11.6042				
									1806	2	9.0423	23.1918							
									1807	618	4.8160	24.8593	288	15.6180	12.7547	68 342	7.5		
									1808	2*	4.8268	24.6878	2†	15.6340	12.5876				
									1809	438	6.7777	24.8006	228	17.5823	12.7703	68 343	8.5		
									1810	288	11.9234	24.1933	198	22.7455	12.3519	68 348	9.3		
									1811	3	13.3333	24.3029							
									1812	12	7.5999	25.4125	7	18.3797	13.4135				
									1813	10	8.4326	25.7500	7	19.2004	13.7797				
									1814	3†	9.4190	25.8464	2	20.1797	13.9123				

1 *réseau* interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .



## ZONE + 68°.

R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup>									R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup> —contd.															
Centre R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			Centre R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			Centre R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°									
Plate 2988. 1896, Feb. 2.			Plate 1699. 1893, Dec. 16.			Plate 2988. 1896, Feb. 2.			Plate 1699. 1893, Dec. 16.			Plate 2988. 1896, Feb. 2.			Plate 1699. 1893, Dec. 16.									
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.								
								No.																
								No.																
1815	368	16°0909	14°4839	718	5°6710	2°6043	67° 351	8°8	1874	13	16°5349	22°4686	19	5°6243	10°6043		m.							
1816	478	17°8632	14°5847	788	6°6291	2°6683	67° 353	7°0	1875				7	10°0413	10°6203									
1817	9	20°8089	14°3036	7*	9°5639	2°2699			1876				7	12°1997	10°1446									
1818	268	22°5380	14°7583	378	11°3075	2°6545	67° 358	9°4	1877				8	13°2567	10°0440									
1819	21	22°9580	14°9383	26	11°7353	2°8143	67° 359	9°3	1878				10	13°8768	10°9973									
1820	5	24°2262	14°3608						1879	8*	17°3658	23°4103	12	6°4937	11°5095									
1821	4*	24°9806	15°1688	7	13°7613	2°9618			1880	12	18°2152	23°0785	15	7°3288	11°1427									
1822	10	14°3848	15°3361	5*	3°1892	3°5669			1881				6	8°6432	11°7493									
1823	10	17°1767	15°5591	8	5°9868	3°6742			1882	10	19°9903	23°6527	17	9°1228	11°6430									
1824	7	17°3022	15°5647	3*	6°1129	3°6745			1883	16	20°8049	23°3561	20	9°9285	11°3171	68 351	9°5							
1825	8	18°4411	15°7370	5*	7°2567	3°7970			1884				6	12°6580	11°3505									
1826	6	20°3552	15°4507	4*	9°1548	3°4350			1885				12	13°1356	11°0177									
1827	8	21°3526	15°5007	8†	10°1545	3°4447			1886	18	15°9055	24°3534	21	5°0738	12°5144									
1828	12	24°2374	15°6789	15	13°0425	3°5034			1887	5	16°3737	24°0481	10	5°5283	12°1907									
1829				9	13°6354	3°7963			1888	248	16°8342	24°0195	308	5°9883	12°1413	68 350	9°3							
1830	11	14°2973	15°9725	13*	3°1254	4°2042	68 349	9°5	1889	8*	17°5786	24°4002	14	6°7466	12°4900									
1831	228	14°7770	16°1147	538	3°6077	4°3244			1890				6	6°2781	12°6910									
1832	10	18°2626	16°8083	11	7°1212	4°8770			1891				8	9°0807	12°6371									
1833	11	18°6586	15°9733	12	7°4841	4°0250			1892	14	20°6609	24°9750	20	9°8493	12°9419									
1834	13	19°3489	16°9567	15	8°2128	4°9795			1893	18*	24°2206	25°0743	20	13°4136	12°8916									
1835	18	21°5791	16°8373	208	10°4384	4°7693			1894				7	5°1512	13°0760									
1836	18	15°3819	17°3232	28	4°2617	5°5089			1895				10	8°1556	13°8134									
1837	11	17°4295	17°7868	14	6°3264	5°8888			1896	3	19°3834	25°7443	14	8°6061	13°7608									
1838	10	17°6791	17°6201	14	6°5706	5°7135			1897				8	10°5519	13°4602									
1839	6	18°8786	17°6562	6	7°7685	5°7000			1898	498	22°9141	25°5572	418	12°1238	13°4282	68 353	8°0							
1840	9	19°4765	17°5945	11	8°3650	5°6113																		
1841	15	20°9890	17°9051	228	9°8883	5°8612				368	26°5249	21°0564				68 359	9°4							
1842				6	13°3749	5°6695				1118	26°1791	26°4026				68 357	7°0							
1843	9	24°6463	18°0138	18	13°5477	5°8170			R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup>															
1844	6	19°0928	18°2354	7†	8°0049	6°2701			Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			Plate 2994. 1896, Feb. 3.									
1845	6	19°5154	18°3291	8	8°4340	6°3451			Plate 1699. 1893, Dec. 16.															
1846	15	21°1520	18°3071	19	10°0687	6°2554			1899	17	4°2843	15°0950	22	15°4795	2°9745	68° 358	9°5							
1847	21	22°2748	18°3302	228	11°1917	6°2295			1900	9	9°9965	14°0147	8	21°2299	2°1231									
1848	17	22°4350	18°4493	20	11°3575	6°3457			1901	6	11°1772	14°3325	7	22°3969	2°4883									
1849	18	23°6709	19°0475	208	12°6170	6°8906			1902	6	11°2783	13°9870												
1850	388	24°2383	19°0942	408	13°1842	6°9132	68 354	9°0	1903	8	13°8603	14°1362	8*	25°0882	2°4011									
1851	308	24°3657	18°8757	368	13°3019	6°6935	68 355	8°5	1904	6	7°1979	15°6277	7	18°3693	3°6235									
1852	18	15°5696	20°6795	21	4°5887	8°5559			1905	388	9°3887	15°5357	618	20°5626	3°6177	68 363	8°6							
1853	17	18°7204	20°5458	20	7°7307	8°5904			1906	5	10°4416	15°1411												
1854	4*	19°2090	20°6139	7	8°2214	8°6420			1907	13	10°6992	15°1351	36	21°8881	3°2692									
1855	15	19°8813	20°7852	18	8°8968	8°7837			1908	19	10°8523	15°7143	408	22°0170	3°8538									
1856	13	20°0909	20°3464	16	9°0908	8°3371			1909	228	13°4893	15°5678	568	24°6566	3°8179	68 367	8°9							
1857				6	9°5969	8°3800			1910	5	2°8618	16°3473	7	14°0055	4°1691									
1858	7*	20°9225	20°4995	14	9°9276	8°4553			1911	6	4°6508	16°3035	9	15°7948	4°1950									
1859	6†	23°1377	20°4873	18	12°1399	8°3540			1912	10	6°9150	16°1909	20	18°0633	4°1735									
1860	9*	24°1155	20°3913	18	13°1146	8°2183			1913	5	11°0105	16°5718	5*	22°1422	4°7193									
1861	9	14°8136	21°5732	9	3°8658	9°7783			1914	218	12°2273	15°8326	588	23°3854	4°0498	68 366	9°2							
1862	13	16°4201	21°8023	17	5°4835	9°9415			1915	5†	2°9466	17°4532	7	14°0463	5°2733									
1863	7	16°9885	21°3651	11	6°0330	9°4803			1916	12	4°1567	17°4969	20	15°2523	5°3670									
1864				11	10°0133	9°8761			1917				11	21°1058	5°2359									
1865	20	21°2042	22°0148	208	10°2731	9°9598	68 352	9°5	1918	18	4°1138	18°4855	238	15°1732	6°3549	68 356	9°5							
1866	15	21°3399	21°9628	198	10°4058	9°9010			1919	5	4°5715	18°6072	8	15°6241	6°4953									
1867	5*	21°9144	21°2659	10	10°9515	9°1808			1920	8	5°9031	18°8961	14	16°9437	6°8382									
1868				7	11°5649	9°7726			1921	2*	6°2008	18°5949	5	17°2542	6°5452									
1869	9*	23°0677	21°2840	16	12°1022	9°1528			1922	5	7°5493	18°8162	8	18°5898	6°8228									
1870	10	14°0911	22°3770	11	3°1808	10°6129			1923	5	8°2297	18°4664	9	19°2838	6°5013									
1871	15	14°9391	22°1657	19	4°0183	10°3659																		
1872	16	15°5316	21°9448	22	4°5997	10°1205																		
1873	15	16°1789	22°2973	18	5°2607	10°4475																		

ZONE + 68°.

R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup>										
Centre		R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			B. D.		Centre		R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			B. D.	
Plate 2994. 1896, Feb. 3.								No.	Mag.	Plate 2994. 1896, Feb. 3.					Plate 3844. 1898, Feb. 4.			No.	Mag.
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
1924	5	8.7014	18.7851	9	19.7422	6.8406		m.	1968	268	22.0840	14.0250	378	10.8904	1.9045	67	377	8.9	
1925	4	12.4494	18.4000	5*	23.5037	6.6032			1969	5*	22.9549	14.0226	7	11.7616	1.8666				
1926	8	13.8818	18.0255	14	24.9497	6.2895			1970	2*	17.9914	14.1839	4*	6.8089	2.2341				
1927	3	5.1996	19.4949	6	16.2157	7.4034			1971	198	20.0773	14.8233	248	8.9184	2.7857	68	374	8.8	
1928	9	7.9103	19.1539	13	18.9360	7.1744			1972	3	20.2300	14.6539	5*	9.0669	2.6116				
1929	14	8.7588	19.3623	21	19.7754	7.4169			1973	4*	21.5789	14.3946	7	10.4015	2.2962				
1930	238	9.1880	19.5856	408	20.1968	7.6577	68	362	9.0	1974	3*	23.7979	14.3508	6*	12.5274	2.1598			
1931	20	4.5880	20.8916	228	15.5463	8.7765	68	359	9.4	1975	208	24.3408	14.8598	258	13.1805	2.6428	67	378	9.3
1932	17	4.5897	20.8986	188	15.5481	8.7847			1976	10	24.6278	14.5665	11	13.4566	2.3390				
1933	5	7.0793	20.4683	10	18.0512	8.4558			1977				6	13.4604	2.0748				
1934	7	4.4668	21.2875	14	15.4089	9.1689			1978				6	13.7680	2.5245				
1935	5*	5.3231	21.3243	9	16.2647	9.2379			1979	2	15.0043	14.8695	4*	3.8529	3.0501				
1936				8	17.9432	9.2313			1980	4	16.7742	15.4144	7	5.6462	3.5150				
1937	208	11.0696	21.8200	388	21.9853	9.9655	68	365	9.3	1981	8	17.3813	15.8322	13	6.2704	3.9084			
1938				5	15.5352	10.2660			1982	9	17.8646	15.4367	14	6.7341	3.4933				
1939	13	6.0483	22.7363	188	16.9315	10.6798			1983	2*	21.9324	15.1731	4*	10.7884	3.0611				
1940	3	7.2417	22.2677	7	18.1446	10.2608			1984	3*	23.1099	15.4596	4	11.9798	3.2940				
1941				4	19.4398	10.8753			1985				6	13.8017	3.8875				
1942	6	8.9108	22.6405	10	19.7961	10.6999			1986	3*	14.9579	16.5945	6*	3.8789	4.7739				
1943				5	19.8912	10.6165			1987	6	16.8478	16.7873	10	5.7738	4.8853				
1944				3	19.4343	10.0655			1988	2*	16.9899	16.3857	6*	5.8994	4.4751				
1945	6	9.1599	22.5376	11	20.0483	10.6086			1989				5	6.1416	4.1256				
1946	16	10.9084	22.1558	258	21.8104	10.2965	68	364	9.4	1990			6	6.1500	4.1620				
1947	17	10.9402	22.1915	288	21.8434	10.3312			1991	2*	18.9053	16.5325	6	7.8203	4.5433				
1948	3*	3.7516	23.8900	11	14.5873	11.7423			1992	2*	20.5844	16.6075	4*	9.4994	4.5500				
1949				7	14.9065	11.8698			1993	3*	20.8669	16.9731	6	9.7971	4.8996				
1950	10	5.3598	24.0128	208	16.1928	11.9255			1994	12	23.5491	16.5921	13	12.4609	4.4065				
1951	278	8.0258	23.3013	408	18.8852	11.3235	68	360	8.8	1995	10	14.2441	17.7236	17	3.2126	5.9298			
1952	7	8.5023	23.0653	14	19.3710	11.1091			1996	18	14.2635	17.2934	268	3.2136	5.4980				
1953	2*	10.9519	23.7618	5*	21.7891	11.9052			1997	3	16.0363	17.4605	5*	4.9904	5.5887				
1954	4*	12.7209	23.7451	8	23.5592	11.9587			1998	11	16.3390	17.1806	178	5.2806	5.2982				
1955	6	12.7374	23.4811	11	23.5855	11.6926			1999	12	18.1407	17.4774	158	7.0958	5.5195				
1956	7	13.1543	23.1274	16	24.0165	11.3582			2000	2*	18.2644	17.0441	3*	7.1978	5.0772				
1957	10	13.2807	23.7511	19	24.1173	11.9860			2001	168	18.4905	17.1947	238	7.4342	5.2225	68	373	9.5	
1958	3*	13.3809	23.7071	7*	24.2211	11.9482			2002	4	19.1099	17.7686	9	8.0788	5.7730				
1959				6	15.5242	12.9343			2003	6	20.6173	17.2650	9	9.5611	5.2043				
1960	608	9.0108	23.9820	888	19.8417	12.0446	68	361	6.5	2004	9	21.9495	17.5986	148	10.9045	5.4824			
1961	10	10.6398	24.3011	17	21.4544	12.4293			2005	10	22.7805	17.7247	138	11.7413	5.5701				
1962	3*	13.2865	23.8766	7	24.1153	12.1148			2006				4	12.4020	5.6471				
1963	9†	5.2552	25.3792	19	16.0353	13.2881			2007	298	14.4072	18.6600	488	3.4118	6.8574	68	369	8.5	
1964	7*	6.0264	25.7438	14	16.7889	13.6803			2008	17	15.3071	18.3933	218	4.3015	6.5550	68	371	9.4	
1965				7	17.1460	13.5071			2009				5	6.3198	6.6180				
1966	4	13.0810	25.1582	8	23.8621	13.3874			2010				4†	7.2231	6.4084				
1967	13	13.4132	25.6874	26	24.1690	13.9387			2011	2*	18.4689	18.6931	5	7.4726	6.7190				
									2012	2*	19.8569	18.7693	5	8.8607	6.7368				
				708	25.4482	6.9432	68	369	8.5	2013	9	20.0573	18.8671	14	9.0675	6.8263			
				41	26.3566	6.7154	68	371	9.4	2014	3*	21.2056	18.2483	7	10.1893	6.1598			
				508	25.1108	8.7225	68	368	8.8	2015	178	22.1895	18.8693	208	11.1989	6.7392	68	377	9.5
	288	2.2603	18.8995				68	355	8.5	2016				5	12.6327	6.4937			
	318	2.1519	19.1252				68	354	9.0	2017				8	12.7774	6.7714			
	40	1.3556	25.6765				68	353	8.0	2018	12	23.9153	18.4584	14	12.9059	6.2544			
	718	4.6715	26.2523				68	357	7.0	2019				5	13.8442	6.6245			
										2020	6	14.5324	19.7979	10	3.5894	7.9913			
										2021				4†	5.0386	7.5946			
										2022	5	16.4361	19.1160	11	5.4598	7.2268			
										2023	3	16.8484	19.0702	7	5.8717	7.1647			
										2024	6	16.9315	19.8125	9	5.9858	7.9030			
										2025	3	17.4590	19.0155	6	6.4802	7.0838			
										2026	4	19.2395	19.4442	11	8.2748	7.4365			

1 *réseau* interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec. +  $68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec. +  $69^{\circ}$ .



## ZONE + 68°.

R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup> —contd.										R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°					R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 2994. 1896, Feb. 3.					Plate 3844. 1898, Feb. 4.					Plate 2994. 1896, Feb. 3.					Plate 3844. 1898, Feb. 4.				
No.	Diam.	$\alpha$ .	$\gamma$ .		Diam.	$\alpha$ .	$\gamma$ .			No.	Diam.	$\alpha$ .	$\gamma$ .		Diam.	$\alpha$ .	$\gamma$ .		
										B. D.									
										No. Mag.									
2027	5	20°037	19°4759		7	9°9398	7°4008			2086					4	9°5077	13°8177		
2028	17	21°1179	19°3849		24§	10°1493	7°2997			2087					6	10°3777	13°3245		
2029	5*	23°9694	19°7483		9	13°0115	7°5437			2088					4†	11°8239	13°4013		
2030					5	13°4639	7°3455												
2031	19§	14°1400	20°4519		32§	3°2232	8°6583	68	368						40§	2°3683	3°8063	68	367
2032	2*	20°5109	20°6270		6	9°5975	8°5686				51§	25°2079	20°0253					68	380
2033					4	9°6028	8°4143				21	21°6397	26°7625					68	375
2034					4	10°8610	8°4403				39	22°0441	26°3658					68	378
2035					6	11°4991	8°7483												
2036	2*	15°4589	21°4248		4	4°5814	9°5768												
2037	4*	16°8758	21°0721		6	5°9820	9°1637												
2038					4	6°3098	9°9950												
2039	17§	17°6097	21°0843		21§	6°7166	9°1451												
2040					5	10°7772	9°6025												
2041					6	11°8771	9°4595												
2042					6	12°2176	9°4782												
2043					5	12°4631	9°1995												
2044	3*	23°3905	21°4574		8	12°5094	9°2774												
2045	5	24°5903	22°1805		11	13°7362	9°9466												
2046	14	14°6105	22°6325		14	3°7848	10°8165												
2047	2*	15°4296	22°2251		6*	4°5858	10°3805												
2048	7	17°2418	22°1523		11	6°3950	10°2278												
2049					5	6°4686	10°1290												
2050	15	17°7512	22°1062		19§	6°9008	10°1627												
2051	7	18°5466	22°8967		9	7°7274	10°9188												
2052	4	18°6151	22°2456		6	7°7685	10°2647												
2053	3	19°7938	22°4452		9	8°9557	10°4125												
2054	10	22°6785	22°6093		14	11°8428	10°4570												
2055					6	11°8688	10°1032												
2056	8	15°1950	23°8273		12	4°4183	11°9903												
2057	7	15°4508	22°8651		11	4°6368	11°0158												
2058	3	15°7290	23°3962		4	4°9332	11°5375												
2059					4	7°7980	11°5394												
2060					6	8°7075	11°2571												
2061					5	10°5398	11°8303												
2062	10	21°4700	23°4640		14	10°6725	11°3628												
2063					2†	10°8311	11°5727												
2064					6	11°5670	11°3739												
2065	18	23°7795	23°7749		17	12°9935	11°5750	68	379										
2066					4	13°8081	11°4252												
2067	2	15°2003	24°0085		6	4°4319	12°1701												
2068	2*	16°5522	24°1463		6	5°7890	12°2514												
2069	4*	17°5274	23°9441		8	6°7514	12°0050												
2070	5*	20°0294	24°2645		10	9°2648	12°2218												
2071	2*	20°4499	24°7480		9	9°7075	12°6868												
2072	4	20°8713	24°3282		8	10°1106	12°2518												
2073	5	20°9058	24°3938		9	10°1471	12°3148												
2074	6	21°0327	24°6374		11	10°2846	12°5538												
2075	42§	21°7812	24°4275		40§	11°0258	12°3092	68	376										
2076	10	22°9244	24°7711		15§	12°1825	12°6062												
2077	16	14°1607	24°8642		21§	3°4293	13°0668												
2078	20	14°9283	25°6385		24§	4°2283	13°8101	68	370										
2079					6	4°4641	13°6050												
2080					4	5°8219	13°2365												
2081	24§	17°4187	25°2257		21§	6°6979	13°2932	68	372										
2082	5	18°6853	25°5561		11	7°9778	13°5741												
2083	10	18°8230	25°8351		15§	8°1287	13°8421												
2084					10	9°2666	13°7944												
2085					4	9°3511	13°5202												
										R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup>									
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°					R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 1769. 1894, Feb. 3.					Plate 3844. 1898, Feb. 4.					Plate 1769. 1894, Feb. 3.					Plate 3844. 1898, Feb. 4.				
2089	9	3°5752	14°5854		12	14°8652	2°4806			2089	9	3°5752	14°5854		12	14°8652	2°4806		
2090					6	16°6002	2°6459			2090					6	16°6002	2°6459		
2091	9	6°5145	14°9048		14	17°7909	2°9158			2091	9	6°5145	14°9048		14	17°7909	2°9158		
2092	6	7°2149	14°6848		13	18°5008	2°7222			2092	6	7°2149	14°6848		13	18°5008	2°7222		
2093	12	8°9575	14°0210		15	20°2671	2°1270			2093	12	8°9575	14°0210		15	20°2671	2°1270		
2094	3*	12°5677	14°7068		9*	23°8486	2°9517			2094	3*	12°5677	14°7068		9*	23°8486	2°9517		
2095					6	15°6827	3°0705			2095					6	15°6827	3°0705		
2096					7	18°5607	3°6586			2096					7	18°5607	3°6586		
2097	38§	9°9368	15°5633		45§	21°1886	3°7045	68	387	2097	38§	9°9368	15°5633		45§	21°1886	3°7045	68	387
2098	11	4°9750	17°0205		15	16°1715	4°9685			2098	11	4°9750	17°0205		15	16°1715	4°9685		
2099	22	6°6646	16°2558		24§	17°8901	4°2705			2099	22	6°6646	16°2558		24§	17°8901	4°2705		
2100	3*	7°0454	16°1090		7	18°2757	4°1379			2100	3*	7°0454	16°1090		7	18°2757	4°1379		
2101	3*	7°7791	16°7699		9	18°9883	4°8272			2101	3*	7°7791	16°7699		9	18°9883	4°8272		
2102					8	20°7899	4°3936												

## ZONE + 68°.

R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 1769. 1894, Feb. 3.				Plate 3844. 1898, Feb. 4.				Plate 1769. 1898, Feb. 3.				Plate 3844. 1894, Feb. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
2133				6	14.4960	8.9933	° m.	2192				6	15.9783	13.8418	° m.
2134				5	16.2522	8.9023		2193	16*	6.0525	25.8026	23§	16.9101	13.7853	
2135				5	16.2692	8.6676		2194				9	19.7854	13.6630	
2136				6	16.7173	8.7360		2195	7*	11.8582	24.9456	15	22.7423	13.1532	
2137	3*	6.6146	20.0210	7	17.6915	8.0288		2196				7	23.1326	13.6782	
2138				5	18.1125	8.4718		2197	31	12.7643	25.6492	33§	23.6225	13.8917	68 389 9.5
2139	7	8.3753	20.1729	13	19.4488	8.2504		2198	3*	13.1012	24.9146	7	23.9895	13.1741	
2140				5	19.5456	8.8726		2199	12*	13.4314	25.5203	20	24.2920	13.7856	
2141	23	8.5289	20.7717	27§	19.5792	8.8547									
2142	5	12.3063	19.9187	11	23.3876	8.1510			30§	1.8962	14.8095				67 378 9.3
2143	7	12.7833	20.7153	9	23.8319	8.9648		R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup>							
2144	3*	13.2834	20.6069	9	24.3374	8.8751		Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
2145				7	14.9395	9.7169		Plate 1769. 1894, Feb. 3.				Plate 3824. 1898, Jan. 10.			
2146				8	15.0230	9.3241		2200				6	10.8605	2.4202	° m.
2147				4	17.0505	9.4574		2201				12	12.8505	2.2070	
2148	33§	6.1646	21.1486	35§	17.2005	9.1373	68 383 8.9	2202				5	12.8810	2.7825	
2149	17	6.3311	21.7859	20§	17.3407	9.7830		2203				4	13.0382	2.8055	
2150	3	6.3554	21.1610	10	17.3894	9.1561		2204				7	6.2165	3.4734	
2151	8	7.8738	21.6844	14	18.8880	9.7441		2205				6	7.8260	3.6433	
2152				5	20.4313	9.0954		2206				7	9.4702	3.3030	
2153	25	10.0702	21.7626	26§	21.0816	9.9068	68 386 9.3	2207	40§	21.4846	15.6771	45§	10.3804	3.6418	68 395 9.2
2154	5	10.0562	21.0430	10	21.0929	9.1880		2208				5	10.4502	3.9903	
2155	5*	11.6831	21.3917	9	22.7046	9.5984		2209	10	23.5227	15.9228	17	12.4293	3.8024	
2156				9	24.8123	9.4183		2210				4	13.8187	3.2372	
2157	3*	4.2116	23.0076	11	15.1756	10.9247		2211	6†	14.2673	15.9051	14	3.1845	4.1821	
2158				6	16.8429	10.1788		2212				4†	3.5399	4.7710	
2159	39§	6.2727	22.4649	40§	17.2578	10.4609	68 384 9.0	2213	24§	15.3248	16.2923	33§	4.2548	4.5229	68 391 9.4
2160	23	9.2473	22.8130	26§	20.2176	10.9248	68 385 9.5	2214				4†	4.4986	4.8912	
2161	25	10.6049	22.0115	28§	21.6052	10.1735	68 388 9.5	2215	4*	15.5859	16.5682	9	4.5294	4.7860	
2162	7*	11.7283	21.9411	10	22.7306	10.1471		2216	5*	15.6127	17.7208	12	4.6032	5.9347	
2163	5	13.3866	21.7714	10*	24.3914	10.0428		2217	27§	16.6421	17.7606	34§	5.6334	5.9297	68 392 9.3
2164				3†	14.2581	11.3332		2218				4	6.2396	5.9818	
2165				6	15.0451	11.0090		2219	2*	17.6252	17.7048	6	6.6137	5.8344	
2166				5	15.6087	11.3008		2220	19	18.6753	17.1202	24§	7.6374	5.2034	
2167	26§	5.4863	24.0043	23§	16.4130	11.9703	68 382 9.5	2221				5	7.6817	5.5844	
2168				4	17.2703	11.2848		2222	8	20.2525	17.1487	14	9.2130	5.1647	
2169	6	7.4435	23.1188	13	18.4010	11.1589		2223				3	10.9785	5.2038	
2170				5	19.4002	11.3458		2224	17	23.6645	17.3868	23§	12.6334	5.2573	
2171	11	8.8569	23.0218	17§	19.8191	11.1150		2225				4	3.1928	6.1238	
2172				4	19.8906	11.4443		2226				3	3.3376	6.2531	
2173	13	10.5255	23.4135	16	21.4728	11.5745		2227				7	3.9187	6.2354	
2174				5	20.1595	11.6135		2228				4	8.6463	6.6459	
2175	3*	12.8295	23.4148	9	23.7748	11.6614		2229				5	9.1510	6.9597	
2176				8	14.0804	12.2475		2230	6	21.0183	18.8242	11	10.0511	6.8065	
2177				4	14.7290	12.3948		2231	3*	21.5107	18.8494	7	10.5420	6.8108	
2178				5	16.4478	12.3959		2232				7	11.1763	6.0130	
2179				4†	17.6519	12.5896		2233				4	11.4815	6.7889	
2180				5	18.4910	12.7158		2234				6	12.7747	6.1001	
2181				5	18.9593	12.3953		2235				4	3.8912	7.5023	
2182				4	20.1768	12.3548		2236				5	3.9733	7.0443	
2183	23	9.9252	24.1338	24§	20.8428	12.2677		2237				5	13.9820	7.1776	
2184	8*	10.7959	24.4280	11	21.7008	12.5981		2238				6	4.5987	7.7298	
2185	3*	11.4111	24.1568	9	22.3233	12.3509		2239				4	6.7250	7.1293	
2186				6	23.1009	12.1290		2240				5	7.9099	7.5615	
2187				5	23.4562	12.9302		2241	3*	19.1242	19.2418	9	8.1755	7.3053	
2188	19	13.2415	24.4854	23	24.1413	12.7481		2242				8	9.2002	7.6417	
2189	6*	13.8433	24.3255	21	24.7500	12.6133									
2190	4*	3.2344	25.5433	16§	14.0995	13.4208									
2191				10	14.8995	13.1161									

$\alpha$  réseau interval represents very nearly  $5' = 53''.4$  of R.A. at Dec. + 68°, and  $55''.8$  at Dec. + 69°.



## ZONE + 68°.

R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup>															
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1769. 1894, Feb. 3.				R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3824. 1898, Jan. 10.				Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1707. 1893, Dec. 22.				R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3824. 1898, Jan. 10.											
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.								
R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup>															
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1769. 1894, Feb. 3.								Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1707. 1893, Dec. 22.								R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3824. 1898, Jan. 10.							
2243				6	11°0100	7°3646	°	m.	2299	10	5°3718	14°5724	11	16°6324	2°4935	°	m.						
2244				8	12°2802	7°8366			2300	12	5°5478	14°8362	12	16°7995	2°7638								
2245				3	12°4700	7°3266			2301	5	10°8451	14°8316											
2246	4*	24°0157	19°9289	11	13°0939	7°7831			2302	24§	10°9182	14°4349	32§	22°1825	2°5654								
2247	8*	24°1453	19°6786	18	13°2098	7°5252			2303	6	11°2960	14°6486	4*	22°5517	2°7965								
2248				4	13°8463	7°2838			2304	8	11°3337	14°3095	8*	22°6024	2°4557								
2249				7	4°1724	8°8477			2305	35§	2°8640	15°2409	35§	14°1043	3°0687	68	397						
2250	22	15°3492	20°1793	28§	4°4469	8°4040	68	390	2306	4*	4°0664	15°9079	4	15°2790	3°7764	9°5							
2251	8*	16°6292	20°2058	14	5°7244	8°3760			2307	6†	5°0698	15°2465	5	16°3046	3°1579								
2252				6	6°5140	8°3402			2308	19	6°3997	15°4441	18	17°6289	3°4027								
2253				5	7°0830	8°2425			2309	6	7°4897	15°7666	7	18°7075	3°7678								
2254	7*	18°3532	20°7948	14	7°4739	8°8897			2310	14	8°1689	15°9495	15	19°3786	3°9760								
2255	4*	18°6289	20°6537	10	7°7405	8°7351			2311	12	9°2468	15°2895	14	20°4794	3°3548								
2256				4	8°2860	8°4805			2312	34§	9°3852	15°0927	41§	20°6273	3°1640	68	405						
2257				5	10°5516	8°6439			2313				7	21°2336	3°3425	9°5							
2258				4	12°1205	8°4264			2314	38§	10°7509	15°0930	43§	21°9913	3°2156								
2259	15	14°7174	21°5172	22§	3°8720	9°7655			2315	8	11°2798	15°3965	5*	22°5077	3°5394								
2260				4	5°6618	9°9595			2316	9	11°5306	15°4016	10†	22°7609	3°5533								
2261				6	5°8102	9°0986			2317	11	13°6922	15°2559	12*	24°9269	3°4867								
2262				5	7°5080	9°4938			2318	14	2°9543	16°9720	16	14°1285	4°8027								
2263				5	11°1839	9°8675			2319	13	4°1115	16°5758	12	15°3003	4°4503								
2264				6	11°1893	9°5084			2320				6	15°4015	4°3845								
2265				3	11°4974	9°1097			2321	22	6°2597	16°7795	22§	17°4386	4°7332								
2266				4†	13°6345	9°0640			2322	11	7°0672	16°0787	10	18°2733	4°0637								
2267				4	5°6825	10°8446			2323	20	9°2961	16°4354	19	20°4878	4°5037								
2268	2*	16°6410	22°2245	8	5°8282	10°3937			2324	7	9°5467	16°6251	7	20°7294	4°7028								
2269				3†	7°7847	10°1127			2325	16	9°6366	16°6043	14	20°8200	4°6832								
2270				8	8°2802	10°9080			2326	7*	11°5780	16°1532	5*	22°7788	4°3101								
2271				7	8°8255	10°0706			2327	6*	12°3261	16°6644	8*	23°5047	4°8453								
2272				4	9°3405	10°8342			2328	19	12°5094	16°7269	19	23°6870	4°9156								
2273				4	10°4697	10°3989			2329	7	3°0627	17°8640	7	14°2029	5°6997								
2274	31	21°3967	22°1162	31§	10°5729	10°0786	68	394	2330	8*	3°4496	17°5843	9	14°5999	5°4326								
2275				3	11°1268	10°0486			2331				7	15°5240	5°7009								
2276	12†	23°0811	22°5958	20§	12°2726	10°4889			2332				5	16°1127	5°2454								
2277				4	13°5462	10°0605			2333	6*	5°5389	17°6679	5	16°6832	5°5950								
2278				4	4°6804	11°1291			2334	4*	7°0453	17°4504	4	18°1996	5°4330								
2279				3	5°1573	11°5941			2335	9	8°0752	17°5090	8	19°2279	5°5314								
2280				3	5°2164	11°4867			2336	4*	8°7314	17°2479	3	19°8935	5°2948								
2281				5	6°7966	11°8534			2337	10	8°8700	17°7342	8	20°0145	5°7842								
2282				5	6°8974	11°9935			2338	15	9°9428	17°0283	19	21°1104	5°1209								
2283				9	8°8047	11°9910			2339	11	10°7412	17°0093	13	21°9088	5°1341								
2284				7	8°9425	11°6692			2340	23§	10°8467	17°8905	33§	21°9815	6°0158	68	407						
2285				5	11°3461	11°3784			2341	5*	11°6802	17°0461	4*	22°8462	5°2007	9°5							
2286				6	11°9732	11°5150			2342	21§	12°5903	17°9004	26§	23°7244	6°0899								
2287				6	12°6627	11°6839			2343	20	3°8099	18°5673	20§	14°9223	6°4298								
2288				13	13°6091	11°2463			2344				8	14°9786	6°9840								
2289				6	5°5731	12°3061			2345	3*	4°1259	18°5046	4	15°2398	6°3836								
2290				5	6°7412	12°2983			2346	27§	5°3635	18°4181	27§	16°4804	6°3355								
2291				9	9°5062	12°3239			2347	17	6°9116	18°4529	14	18°0303	6°4307								
2292				7	5°6865	13°8105			2348	20	7°6968	18°7693	20§	18°8002	6°7751								
2293				7	6°3594	13°8097			2349	19	8°1420	18°0893	17	19°2700	6°1143								
2294				7	8°8875	13°9318			2350	15	11°8368	18°7843	13	22°9373	6°9462								
2295				8	9°2236	13°4553			2351	31§	13°1161	18°3998	46§	24°2334	6°6089								
2296				13	9°4469	13°2725			2352	12	4°1118	19°9953	14	15°1720	7°8667								
2297				4	9°6797	13°8859			2353	18	5°8577	19°4380	15	16°9386	7°3745								
2298				5	10°5665	13°5058			2354	60§	7°0607	19°3788	62§	18°1435	7°3590	68	402						
									2355	12	7°5793	19°5439	10	18°6538	7°5447	8°3							
									2356	11	8°0510	19°3181	8	19°1354	7°3387								
									2357	7†	8°3621	19°9914	6	19°4207	8°0243								
	72§	19°9470	26°3803	80§	5°6003	1°3955	67 390 68 393	7°0 8°3															

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1707. 1893, Dec. 22.				R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3824. 1898, Jan. 10.				Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1707. 1893, Dec. 22.				R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3824. 1898, Jan. 10.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
2358	11	9°5411	19°4399	10	20°6203	7°5133	68 406 9°3	2417	40	7°0779	25°0332	368	17°9483	13°0118	68° 400 9°1
2359	278	10°3716	19°4722	308	21°4483	7°5789		2418	458	8°0737	25°3992	398	18°9306	13°4143	68 403 9°7
2360	7	11°3730	19°9740	7	22°4314	8°1169		2419	6*	8°1094	25°9164	7	18°9453	13°9323	
2361	8	12°0435	19°1350	8	23°1308	7°3045		2420	7*	9°9224	25°0793	7*	20°7903	13°1608	
2362	6	12°3450	19°1675	5	23°4337	7°3461		2421				5	22°2957	13°9181	
2363	11	13°8350	19°4353	11	24°9089	7°6739		2422	4*	13°0318	25°0423	5	23°8937	13°2455	
2364	9*	3°4824	20°5116	10	14°5350	8°2966		2423	16	13°0445	25°2302	15	23°9043	13°4342	
2365				5	15°9840	8°3858		2424	6*	13°2953	25°6397	9	24°1380	13°8539	
2366				3	16°0313	8°7365									
2367	6*	6°2281	20°6477	6	17°2669	8°5969						738	18°9645	1°2131	67 396 8°5
2368	7	10°6244	20°4698	9	21°6620	8°5846						498	26°2165	13°6842	68 410 8°8
2369	13	10°8948	20°7599	12	21°9217	8°8848									
2370	19	12°4499	20°2550	18	23°4963	8°4395									
2371	5*	13°1547	20°4881	3*	24°1908	8°6975									
2372	13	13°6199	20°7463	10	24°6433	8°9730									
2373	4*	3°6572	21°8990	5	14°6478	9°7538									
2374	11	4°1769	21°0790	10	15°1979	8°9525									
2375	9	4°6921	21°7483	10	15°6877	9°6400									
2376	288	5°5863	21°4613	19	16°5915	9°3853									
2377	12	5°6736	21°6965	9	16°6693	9°6236									
2378	5*	6°4476	21°4292	4	17°4518	9°3852									
2379	4*	9°0717	21°5209	6	20°0705	9°5772									
2380	508	11°5456	21°7702	528	22°5355	9°9189	68 408 8°5	2425	20	14°0625	14°2948	23	2°8919	2°5246	
2381	7	12°5261	21°5448	7	23°5236	9°7313		2426	11	15°8580	14°7317	8	4°7059	2°8851	
2382	4*	12°7235	21°6890	4	23°7181	9°8824		2427	4	15°9875	14°2566				
2383	6*	5°1944	22°5559	7	16°1594	10°4655		2428	12	16°3998	13°9685	14	5°2135	2°1033	
2384	218	11°3710	22°3100	20	22°3397	10°4501		2429	4	16°8855	14°6896				
2385	20	11°6559	22°1022	18	22°6319	10°2559		2430	2	16°9392	14°5854				
2386	6	12°1329	22°4425	5	23°0970	10°6111		2431	12	19°3514	14°6410	6*	8°1873	2°6488	
2387	9	13°0432	22°4220	7	24°0087	10°6264		2432	6	19°7672	14°0973	5*	8°5833	2°0880	
2388	13*	3°1408	23°1526	12	14°0858	10°9853		2433	568	21°4314	14°7108	478	10°2708	2°6282	68 415 8°4
2389	8*	3°3695	23°0297	14	14°3185	10°8719	68 398 9°3	2434	6	23°6699	14°4930	4*	12°4974	2°3177	
2390	11	4°4597	23°3272	11	15°3988	11°2083		2435	17	24°6744	14°8319	8	13°5147	2°6179	
2391	13	4°7030	23°2676	14	15°6411	11°1576		2436	17	24°7329	14°8093	9	13°5708	2°5919	
2392	16	4°8145	23°2600	15	15°7536	11°1561		2437	24	24°7587	14°5358	15	13°5887	2°3167	
2393	5*	5°0398	23°8906	4	15°9568	11°7928		2438	6	14°1033	15°7802				
2394	698	7°0595	23°8995	678	17°9750	11°8750	68 401 8°4	2439	8	14°2530	15°8796	5	3°1504	4°0995	
2395				4	18°7731	11°9026		2440	4	14°3469	15°5559				
2396	598	8°2661	23°7924	578	19°1803	11°8135	68 404 8°5	2441	10	21°2943	15°9973	6	10°1902	3°9232	
2397	6	8°7641	23°9260	3*	19°6736	11°9649		2442	10	21°8133	15°9313	9	10°7030	3°8351	
2398	11	9°8125	23°7563	11	20°7275	11°8381		2443	11	23°1829	15°0557	8	12°0370	2°9035	
2399	238	12°6176	23°4111	268	23°5433	11°5984	68 409 9°3	2444	528	23°9610	15°7976	398	12°8423	3°6113	68 417 8°8
2400	7*	4°3337	24°0502	7	15°2421	11°9302		2445	14	14°5856	16°7683	8	3°5208	4°9753	
2401	9	4°6662	24°5776	9	15°5553	12°4637		2446	6	16°2154	16°9211				
2402	218	8°6657	24°2643	208	19°5636	12°3024		2447	5	17°0080	16°6359	3*	5°9355	4°7391	
2403	13	9°7273	24°2782	14	20°6233	12°3563		2448	8	17°1244	16°3999	6	6°0393	4°4993	
2404	7*	10°3359	24°4971	7	21°2219	12°6013		2449	4	17°5400	16°3850				
2405				5	22°2367	12°6934		2450	10	18°7232	16°5285	5	7°6414	4°5604	
2406	298	11°3638	24°9840	248	22°2341	13°1222		2451	15	20°3064	16°6619	14	9°2305	4°6276	
2407	5	11°3680	24°6719	7	22°2474	12°8124		2452	7	21°2405	16°2242	2	10°1482	4°1725	
2408	16	11°4832	24°8506	17	22°3540	12°9945		2453	9	24°0824	16°7454	5	13°0080	4°5540	
2409	13	13°5101	24°1144	12	24°4103	12°3355		2454	4†	24°7852	16°4655	4*	13°6976	4°2410	
2410	18	13°9985	24°5403	21	24°8801	12°7761		2455	5	14°3111	17°6728	4*	3°2850	5°8886	
2411				4	14°3456	13°5569		2456	5	15°5122	17°6265				
2412	6*	3°5500	25°8690	8	14°3888	13°7167		2457	15	18°0867	17°9526	12	7°0649	6°0085	
2413	8*	4°9195	26°0494	11	15°7516	13°9448		2458	208	18°6844	17°2254	208	7°6316	5°2567	
2414	408	5°6029	25°5127	258	16°4551	13°4351	68 399 9°4	2459	3	19°3527	17°8518				
2415				6	16°6885	13°9571		2460	15	14°8296	18°6827	11	3°8436	6°8763	
2416	18	5°8762	25°4034	19	16°7325	13°3351		2461	6	15°2599	18°6643	3*	4°2712	6°8380	
								2462	8	16°7067	18°3028	6	5°7023	6°4166	
								2463	18	16°8287	18°5497	18	5°8338	6°6589	

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 5 <sup>h</sup> 40 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 1707. 1893, Dec. 22.				Plate 2997. 1896, Feb. 4.				Plate 2417. 1894, Dec. 18.				Plate 2997. 1896, Feb. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
2464	218	18°7646	18°2717	208	7°7561	6°3002	° m.	2513	378	13°2002	14°2725	408	24°5275	2°6789	68° 424 m.
2465	208	19°2406	18°7221	19	8°2484	6°7317		2514	13	13°3934	14°1024	9*	24°7247	2°5181	9°5
2466	268	22°1921	18°7488	18	11°2017	6°6344		2515	4*	3°2088	15°1708	4*	14°5066	3°1891	
2467	3	22°3047	18°6779	2*	11°3118	6°5569		2516	6	5°6608	15°8967	4*	16°9308	4°0137	
2468	5	14°6711	19°2025	4*	3°7043	7°4043		2517	6*	9°5607	15°5153	3*	20°8406	3°7795	
2469	208	15°1014	19°7226	19	4°1582	7°9032		2518	8	10°1270	15°8644	6*	21°3981	4°1528	
2470	828	16°4219	19°3161	788	5°4589	7°4421	68 412 6.2	2519	6	10°7588	15°7793				
2471	5	17°0155	19°7147	3*	6°0680	7°8171		2520	10	13°4391	15°1491				
2472	5	17°9935	19°4251	3*	7°0304	7°4858		2521	6	13°6624	15°3354				
2473	208	18°4480	19°0020	20	7°4713	7°0435		2522	16	3°6869	16°0446	11	14°9525	4°0862	
2474	288	20°3440	19°0857	248	9°3676	7°0468	68 414 9.3	2523	7*	4°5155	16°0413	4*	15°7830	4°1135	
2475	19	21°4325	19°7461	16	10°4811	7°6626		2524	4*	6°2532	16°7363	4*	17°4894	4°8722	
2476	8	22°5482	19°3614	5	11°5812	7°2325		2525	5*	7°5310	16°1773	3*	18°7902	4°3632	
2477	3	23°5530	19°9251	6	12°6083	7°7495		2526	7*	7°5870	16°2542	4*	18°8408	4°4451	
2478	12	15°5787	20°1871	7	4°6526	8°3473		2527	6	8°4354	16°6210	5*	19°6739	4°8449	
2479	4†	18°1238	20°6378	2*	7°2158	8°6898		2528	4*	8°8595	16°0958	2*	20°1222	4°3357	
2480	5*	18°7468	20°0359	2	7°8132	8°0592		2529	238	12°4200	16°9397	23	23°6441	5°3158	
2481	6	22°4215	20°2807	3*	11°4924	8°1538		2530	298	6°0483	17°9301	21	17°2400	6°0589	
2482	7	22°5914	20°7824	4	11°6847	8°6494		2531	4	6°9975	17°1270	4*	18°2179	5°2952	
2483	5	14°4819	21°7019	3*	3°6208	9°9061		2532	7	9°6513	17°2479	4	20°8664	5°5152	
2484	12	14°9066	21°0522	10	4°0218	9°2410		2533	6	10°8708	17°5593	3	22°0715	5°8756	
2485	8	15°3906	21°8595	8	4°5374	10°0285		2534	4	12°7717	17°8753	2*	23°9594	6°2677	
2486	4*	21°2213	21°5421	2	10°3535	9°4653		2535	12	13°3563	17°9170	7	24°5460	6°3263	
2487	7	21°7682	21°3426	4	10°8836	9°2402		2536	8	12°9466	18°7424				
2488	2*	23°0942	21°2198	3	12°2074	9°0663		2537	12	13°1371	18°7724	7*	24°2894	7°1762	
2489	218	16°5002	22°7994	18	5°6833	10°9173		2538	658	13°8604	18°9883	668	25°0100	7°4177	68 425 7.6
2490	15	16°6525	22°3678	13	5°8187	10°4813		2539	6	3°5017	19°5492	6	14°6319	7°5806	
2491	8	18°5328	22°8099	4	7°7135	10°8442		2540	458	4°7910	19°5985	368	15°9190	7°6757	68 418 8.3
2492	3*	18°5864	22°6204	3*	7°7584	10°6563		2541	8*	5°2086	19°8072	4	16°3279	7°9043	
2493	21	18°8936	22°8418	17	8°0760	10°8607		2542	8	7°5287	19°4086	6*	18°6627	7°5940	
2494	24	20°1059	22°0360	19	9°2541	10°0073	68 413 9.4	2543	10	8°1089	19°5181	7	19°2397	7°7262	
2495	4*	21°0676	22°6399	2*	10°2384	10°5686		2544	10	8°5143	19°6422	7	19°6372	7°8652	
2496	12	14°6842	23°4546	8	3°8983	11°6503		2545	10	8°5571	19°4231	6*	19°6890	7°6469	
2497	5*	15°4243	23°1079	2*	4°6202	11°2720		2546	12	9°2062	19°0626	10	20°3503	7°3134	
2498	20	17°3824	23°1286	14	6°5794	11°2105		2547	368	9°9233	19°1752	298	21°0645	7°4517	68 421 9.4
2499	5	18°4533	23°0077	4†	7°6463	11°0449		2548	4	9°9893	19°4851	4*	21°1189	7°7632	
2500	25	24°3694	23°6849	13	13°5819	11°4749		2549	12	10°7377	19°5034	11	21°8650	7°8100	
2501	21	15°4014	24°3929	16	4°6519	12°5554		2550	13	11°8503	19°4335	11*	22°9824	7°7834	
2502	348	15°9655	24°7824	248	5°2319	12°9221	68 411 9.5	2551	218	12°1594	19°2350	20	23°2980	7°5968	
2503	24	21°5512	24°4269	14	10°7971	12°3311		2552	6	12°2043	19°7542	5*	23°3213	8°1183	
2504	8	21°9531	24°9075	6	11°2258	12°7954		2553	278	12°4090	19°6350	27	23°5314	8°0070	
2505	328	22°1024	24°1186	228	11°3357	12°0025	68 416 9.5	2554	17	13°1581	19°3909	14	24°2886	7°7921	
2506	428	15°3670	25°3962	328	4°6615	13°5589	68 410 8.8	2555	4*	3°6466	20°5250	3*	14°7410	8°5623	
2507	16	16°3786	25°4290	16	5°6718	13°5508		2556	5*	4°8809	20°2650	4	15°9858	8°3465	
2508	7†	17°6544	25°1168	6	6°9340	13°1853		2557	188	9°6107	20°4907	14	20°7020	8°7546	
	608	26°8646	19°9870				68 418 8.3	2558	19	10°0995	20°9650	15	21°1701	9°2476	
	32	22°8142	26°6279				69 354 9.4	2559	288	13°5665	20°6330	31	24°6480	9°0478	
								2560	358	6°2666	21°5759	208	17°3178	9°7133	68 419 9.4
								2561	19	7°1347	21°6543	10	18°1824	9°8228	
								2562	9	8°4398	21°5552	6	19°4889	9°7737	
								2563	10	8°6952	21°1944	6	19°7597	9°4220	
								2564	4*	8°7181	21°1193	3*	19°7837	9°3467	
								2565	4*	9°1694	21°4693	3*	20°2225	9°7157	
								2566	19	9°9653	21°3669	17	21°0210	9°6452	
								2567	5*	11°9995	21°8863	4*	23°0344	10°2407	
								2568	10	12°5977	21°8478	4	23°6330	10°2256	
								2569	7*	3°3480	22°6378	5	14°3614	10°6620	
								2570	4*	6°3595	22°6376	3*	17°3702	10°7786	
								2571	5*	8°4987	22°5319	4†	19°5101	10°7532	

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.															
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°											
Plate 2417. 1894, Dec. 18.				Plate 2997. 1896, Feb. 4.					Plate 2417. 1894, Dec. 18.				Plate 2975. 1896, Jan. 15.											
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								No.																
								No.																
2572	9	10°3562	22°4664	5†	21°3688	10°7563	°	m.	2618	6	16°9657	17°7777	4*	5°9834	5°9948	°	m.							
2573	60§	11°5531	22°4934	51§	22°5664	10°8295	68 423	7·8	2619	17	20°6920	17°2112	12	9°6816	5°2693									
2574	11	11°7197	22°5984	6*	22°7276	10°9417			2620	6	22°3614	17°1080	3	11°3429	5°0970									
2575	4*	12°3985	22°6981	3*	23°3996	11°0692			2621	30	23°2049	17°5708	22	12°2073	5°5203									
2576	4*	6°5295	23°1852	4†	17°5180	11°3307			2622	8	14°5598	18°4692	5*	3°6089	6°7924									
2577	8	8°2160	23°4848	6	19°1915	11°6939			2623	5	15°6700	18°5436	4*	4°7231	6°8154									
2578	40§	9°8658	23°5373	28§	20°8402	11°8087	68 420	9·2	2624	10	15°7035	18°6277	6	4°7602	6°9000									
2579	6	12°1202	23°5753	4*	23°0904	11°9317			2625	8	16°2531	18°6228	5*	5°3068	6°8715									
2580	9	13°6903	23°0557	5*	24°6799	11°4772			2626	7	17°2958	18°2384	4*	6°3349	6°4429									
2581	40§	3°3194	24°2624	17§	14°2705	12°2828			2627	27§	19°1460	18°8836	23	8°2071	7°0063									
2582	40§	5°0688	24°2864	22§	16°0195	12°3750			2628	22	22°1461	18°3250	13	11°1819	6°3211									
2583	6*	5°6595	24°9953	5	16°5800	13°1066			2629	75§	22°3227	18°2087	60§	11°3535	6°1965	68 435	8·1							
2584	19	6°1677	24°4263	10	17°1104	12°5546			2630	6	22°3569	18°5806	3	11°4027	6°5687									
2585	16	9°3633	24°8603	9	20°2860	13°1126			2631	13	23°9240	18°0653	8	12°9452	5°9838									
2586	3*	11°0195	24°4553	3*	21°9604	12°7701			2632	14	14°7551	19°0295	10	3°8287	7°3420									
2587	6*	11°1025	24°8902	4*	22°0224	13°2101			2633	7	17°3741	19°3408	6	6°4587	7°5418									
2588	12	11°1283	24°1044	7	22°0800	12°4247			2634	21	18°5027	19°5394	18	7°5943	7°6892									
2589	8*	3°4393	25°2182	5*	14°3555	13°2371			2635	24	20°4850	19°4459	19	9°5690	7°5102									
2590	16	5°5108	25°7236	8	16°4013	13°8265			2636	29§	20°5032	19°2348	26§	9°5789	7°2990									
2591	5*	6°0020	25°5363	4*	16°9024	13°6567			2637	8	21°1183	19°4661	4	10°2018	7°5048									
2592	6*	7°6074	25°5716	6	18°5020	13°7524			2638	22	21°1883	19°8598	17	10°2885	7°8940									
									2639	10	21°8037	19°9948	7	10°9101	8°0025									
				35§	25°8531	2°1861	67 414	9·3	2640	4	14°5400	20°6661	4*	3°6857	8°9857									
				71§	26°1455	3°0859	68 426	9·0	2641	8	16°2215	20°2723	6	5°3462	8°5201									
				48§	26°7428	13°5857	68 427	8·9	2642	3	16°6836	20°6467												
	57§	1°5609	15°6511				68 417	8·8	2653	11	18°1913	20°2471	10	7°3121	8°4073									
	40	1°2900	26°5392				69 354	9·4	2644	27§	18°2850	20°5166	21	7°4199	8°6730									
R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup>									R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.															
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°											
Plate 2417. 1894, Dec. 18.				Plate 2975. 1896, Jan. 15.					Plate 2417. 1894, Dec. 18.				Plate 2975. 1896, Jan. 15.											
2593	51§	14°8291	14°6203	58§	3°7109	2°9305	68 426	9·0	2646	10	22°0570	20°2552	7	11°1755	8°2516									
2594	49§	16°1593	14°2140	48§	5°0235	2°4674	68 429	8·9	2647	44§	22°1090	20°1518	34§	11°2211	8°1466	68 433	9·2							
2595	10	20°3771	14°8468	5*	9°2679	2°9242			2648	43§	22°1576	20°2904	30§	11°2765	8°2820	68 434	9·4							
2596	15	20°9933	14°7538	12	9°8788	2°8025			2649	22	24°1365	20°8568	14	13°2774	8°7666									
2597	14	15°1564	15°1724	7	4°0650	3°4704			2650	10	14°9213	21°2872	8	4°0890	9°5912									
2598	20	15°9998	15°6338	16	4°9265	3°8949			2651	21	15°2282	21°5667	19	4°4094	9°8575									
2599	24§	16°8919	15°3425	22	5°8048	3°5666			2652	4*	16°1695	21°5717	4*	5°3492	9°8193									
2600	31§	18°8892	15°2744	32§	7°7968	3°4100	68 431	9·5	2653	20	17°1506	21°4328	15	6°3249	9°6408									
2601	3*	19°3097	15°9081	3*	8°2410	4°0347			2654	20	17°2581	21°2349	17	6°4243	9°4382									
2602	37§	21°7742	15°4018	32§	10°6848	3°4141	68 432	9·5	2655	7	18°0700	21°4695	4	7°2441	9°6377									
2603	12	22°2033	15°4850	8	11°1183	3°4801			2656	22	18°2466	21°3986	17	7°4172	9°5587									
2604	25	22°3087	15°0624	22	11°2053	3°0524			2657	6	19°4938	21°3595	4	8°6627	9°4668									
2605	6	22°7683	15°1966	4	11°6671	3°1687			2658	35§	22°2192	21°8236	24§	11°4028	9°8120									
2606	5*	23°2727	15°4532	3*	12°1852	3°4002			2659	7	16°2012	22°9965	6	5°4437	11°2460									
2607	17	23°7844	15°5520	13	12°6994	3°4792			2660	37§	16°7145	22°6743	32§	5°9436	10°8970	68 430	9·4							
2608	6	14°1075	16°5759	4*	3°0755	4°9212			2661	3*	20°5586	22°1037	3*	9°7545	10°1649									
2609	3*	16°0721	16°4311	2*	5°0358	4°6903			2662	3*	20°9950	22°3029	3*	10°2020	10°3453									
2610	11	22°1150	16°3731	6	11°0663	4°3694			2663	9	22°3741	22°5796	10	11°5915	10°5602									
2611	24	22°1295	16°4020	18	11°0843	4°3994			2664	3*	23°2860	22°2095	3	12°4856	10°1529									
2612	26	22°5732	16°7250	22	11°5412	4°7034			2665	92§	23°5911	22°5964	76§	12°8085	10°5264	68 436	7·2							
2613	5*	22°8123	16°2719	3*	11°7580	4°2394			2666	6	14°8713	23°6240	4	4°1413	11°9253									
2614	23	14°1583	17°2151	25	3°1540	5°5553			2667	8	19°2594	23°2204	7	8°5089	11°3374									
2615	31§	14°7826	17°0589	36§	3°7704	5°3716			2668	25	22°4898	23°4236	16	11°7448	11°3984									
2616	27§	15°3390	17°6282	28	4°4023	5°9151			2669	66§	24°4164	23°0140	35§	13°6492	10°9066	68 437	9·5							
2617	5	16°2625	17°9475	4*	5°2897	6°1955			2670	17	14°0972	24°7163	13	3°4162	13°0514									
									2671	4*	15°0706	24°8282	3*	4°3936	13°1235									
									2672	9	16°1919	24°2855	7	5°4890	12°5313									
									2673	14	23°9145	24°2354	14	13°2025	12°1459									
									2674	53§	15°8313	25°0870	42§	5°1636	13°3456	68 427	8·9							
									2675	52§	16°1077	25°2573	42§	5°4452	13°5028	68 428	9·0							
									2676	11	17°7735	24°8924	8	7°0980	13°0694									



## ZONE + 68°.

R. A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.								R. A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R. A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R. A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R. A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R. A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 2417. 1894, Dec. 18.				Plate 2975. 1896, Jan. 15.				Plate 2423. 1895, Feb. 25.				Plate 2975. 1896, Jan. 15.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
2677	5*	18.4056	25.2742	5	7.7429	13.4210		2722	4	13.1358	23.4266	6	24.1758	11.6533	
2678	24	18.6217	25.1027	20	7.9529	13.2424		2723	9	13.8252	23.6297	15	24.8556	11.8863	
2679	11	21.4209	25.2886	14	10.7564	13.3055		2724				4	15.0230	12.1778	
								2725				6	15.0880	12.6431	
				51§	13.4084	1.1701	67 422 8.5	2726	49§	4.5665	25.0258	32§	15.5443	12.8936	68 439 9.0
				25	3.3519	2.0558	67 414 9.3	2727	6*	9.9965	24.9015	10	20.9742	12.9983	
				66§	2.9324	7.3378	68 425 7.6	2728	2*	13.4331	24.0403	4	24.4461	12.2912	
83§	26.2253	25.0833					68 439 9.0	2729	10	5.6228	25.5279	13	16.5796	13.4427	
44	23.5657	26.5733					69 374 9.3	2730				6	20.9256	13.1681	
53	26.6878	26.7003					69 378 9.4	2731	2*	10.9106	25.3743	6	21.8661	13.5066	
								2732	6	11.9353	25.5420	8	22.8868	13.7174	
R. A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup>								R. A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup>							
Centre R. A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R. A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R. A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R. A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2423. 1895, Feb. 25.				Plate 2975. 1896, Jan. 15.				Plate 2423. 1895, Feb. 25.				Plate 2976. 1896, Jan. 15.			
2680				4	14.3360	2.9111		2733	27§	21.3353	14.0401	33§	10.1961	1.9221	68 444 9.3
2681	12	4.0643	14.9238	19	15.4648	2.7821	68 438 9.5	2734	8	20.6731	14.7300	8†	9.5599	2.6372	
2682	8	5.6955	14.2207	14	17.1258	2.1457		2735	15	22.1638	14.8608	18	11.0555	2.7051	
2683	6	6.4984	14.5642	8	17.9126	2.5218		2736	9	23.0105	14.5480	15	11.8898	2.3585	
2684	14	8.2068	14.9635	24	19.6013	2.9945		2737	7	23.3759	15.0133	12	12.2703	2.8071	
2685	4	11.3294	14.8197					2738				4	12.3076	2.9188	
2686	6	3.0580	15.6653	11	14.4271	3.4806		2739	5	23.9953	14.7167	10	12.8677	2.4864	
2687				2	16.5032	3.3217		2740	12	24.5585	15.1956	18	13.4609	2.9448	
2688	4	10.7278	15.2646	7	22.7097	3.7162		2741	8	14.7810	15.8480	12	3.7179	3.9848	
2689	4	11.3421	15.5552	6*	23.0102	3.3118		2742	14	20.2430	15.2840	18	9.1520	3.2053	
2690	6	11.6180	15.1426	21	24.8277	3.5384		2743	17	20.2744	15.2005	21	9.1796	3.1253	
2691	14	13.4489	15.2902	7	15.2218	4.4490		2744	14	21.4449	15.9525	20	10.3805	3.8248	
2692	4†	3.8895	16.5982	33§	18.2531	4.6748	68 440 9.2	2745	10	22.1977	15.3307	14	11.1086	3.1741	
2693	27§	6.9290	16.6989	4	19.4595	4.9539		2746	6	22.3258	16.0675	11	11.2660	3.9055	
2694	4*	8.1468	16.9261	23	24.9845	4.1028		2747	17	15.0078	15.8879	26	3.9463	4.0150	
2695	15	13.6291	15.8484	6	16.0583	5.5704		2748	6	18.1367	16.9833	8	7.1161	4.9843	
2696	4*	4.7744	17.6836	5	19.9252	5.4520		2749	9	19.6653	16.1235	12	8.6082	4.0666	
2697	4*	8.6319	17.4060	7*	21.0102	5.8747		2750	20	21.0645	16.9192	23§	10.0367	4.8046	
2698	6	9.7324	17.7842	35§	22.9022	5.1633	68 441 9.3	2751				6	11.9093	4.9362	
2699	23§	11.5940	16.9948	6	15.4108	6.8025		2752				4	11.9640	4.3811	
2700	5*	4.1787	18.9431	10	16.1937	6.9580		2753	5	24.4608	16.9860	16	13.4368	4.7381	
2701	6	4.9675	19.0693	4	18.0645	6.0143		2754				4	13.8836	4.0911	
2702				5	19.3582	6.0716		2755	14	14.8225	17.6471	19	3.8311	5.7822	
2703	4*	8.0915	18.0461	5†	21.3230	6.1954		2756				3	12.7787	5.1970	
2704	2†	10.0601	18.0931	16	22.9157	7.7062		2757	16	24.0238	17.5887	20	13.0200	5.3558	
2705	8	11.7120	19.5347	8	20.2347	8.9245		2758	6	14.7105	18.3960	9	3.7502	6.5358	
2706	4	13.1987	18.9200	5	24.4257	7.1563		2759	7	21.2184	18.5679	14	10.2580	6.4452	
2707				6	14.6954	8.8760		2760	33§	22.2470	18.6166	34§	11.2884	6.4554	68 445 9.3
2708	6	5.3695	21.0130	10	16.5144	8.9193		2761	17	23.8969	18.7767	21	12.9421	6.5483	
2709	7	7.8035	20.2416	8	18.9786	8.2486		2762	14	14.6560	19.1098	17	3.7236	7.2516	
2710	6	9.0843	20.8640	7	21.8747	8.8690		2763	5	14.7601	19.3508	8	3.8387	7.4867	
2711	7	10.7207	20.7409	5†	22.7138	8.0160		2764	23§	17.2895	19.5149	31§	6.3695	7.5456	
2712	3*	11.5232	19.8529	6	23.4802	8.6248		2765	4*	17.4916	19.8155	6	6.5834	7.8441	
2713	4	12.3135	20.4267	11	14.6564	9.9713		2766	10	15.1062	20.7504	11	4.2377	8.8721	
2714	8	3.5566	22.1393	3	19.7314	9.7101		2767	3	21.7433	21.0620	7	10.8794	8.9161	
2715	4*	8.6148	21.6696	4*	21.9706	9.7405		2768	8	22.7758	20.6868	14	11.8973	8.5034	
2716	2*	10.8514	21.6081	11	15.9722	10.5942		2769				5	13.3620	8.7343	
2717	6	4.8961	22.7099	12	21.0904	10.2497		2770	6	17.3332	21.8367	11	6.5079	9.8698	
2718	8	9.9970	22.1515	5	16.8100	11.3011									
2719				5	18.4297	11.6968									
2720				5	21.8606	11.8330									
2721	3*	10.8320	23.7027	6											

1 réseau interval represents very nearly 5' = 53.4 of R.A. at Dec. + 68°, and 55.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				
Plate 2423. 1895, Feb. 25.				Plate 2976. 1896, Jan. 15.				Plate 725. 1893, Jan. 4.				Plate 2976. 1896, Jan. 15.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
2771	9	20°1860	21°7359	17	9°3517	9°6553		2821	24§	11°8313	21°3193	37§	22°7638	9°4434	68° 452	m.
2772				10	11°8299	9°6431		2822	3	13°1033	21°3406	5	24°0342	9°5187		
2773				10	11°9175	9°7692		2823	41§	3°9290	22°9790	43§	14°7970	10°7704	68 447	8°0
2774	6†	16°9368	22°1074	13	6°1219	10°1542		2824	19	10°6207	22°5503	22§	21°5019	10°6257		
2775				6	7°0857	10°4352		2825	9	11°4913	22°2419	13	22°3851	10°3519		
2776	47§	19°7445	22°3686	53§	8°9323	10°3046	68 442	2826	4*	11°9976	22°2009	10	22°8858	10°4330		
2777	2*	20°2594	22°8283	7	9°4661	10°7463		2827	6*	13°9886	22°5364	8	24°8652	10°7519		
2778	22§	20°8498	22°8203	23§	10°0565	10°7139	68 443	2828	4	3°1574	23°3793	10	14°0050	11°1399		
2779	18	23°0874	23°1604	19	12°3094	10°9605		2829	8	9°1746	23°6394	13	20°0093	11°6545		
2780	9	23°2247	22°3601	15	12°4159	10°1606		2830	13	12°8585	22°9660	19	23°7211	11°1345		
2781	10	14°8873	22°8865	16	4°1060	11°0145		2831	4*	12°0471	24°5767	6	22°8421	12°7079		
2782				5	6°2217	11°3702		2832	8	5°8023	25°5137	16	16°5620	13°3791		
2783	4	17°9195	23°8201	8	7°1714	11°8247						62§	25°6615	6°1662	68 453	8·4
2784	31	22°3746	23°8834	38§	11°6262	11°7141	68 446									
2785	19	23°5893	23°9425	32	12°8406	11°7200										
2786				8	7°1108	12°6402										
2787	23	20°9347	24°3223	24§	10°2012	12°2077										
2788	3*	19°3083	25°7710	12	8°6386	13°7238										
2789				5	9°8253	13°5267										
	70§	25°5822	23°0677				68 447	8°0								
R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup>								R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup>								
Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				
Plate 725. 1893, Jan. 4.				Plate 2976. 1896, Jan. 15.				Plate 725. 1893, Jan. 4.				Plate 1785. 1894, Feb. 12.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
2790	6	3°3839	14°2487	10	14°6171	2°0238		2833	8	16°0740	14°2446	11	4°8621	2°3197		m.
2791	19§	8°6308	14°5372	34§	19°8493	2°5323		2834	12	23°5647	15°0815	16	12°3797	2°8524		
2792	13	10°3325	14°7016	23	21°5433	2°7710		2835	11	23°8682	14°1324	15	12°6446	1°8946		
2793	11	11°9807	14°1579	19	23°2140	2°2950		2836	4*	19°7534	15°4993	4*	8°5900	3°4242		
2794	10	3°9903	15°4625	19	15°1723	3°2630	68 448	2837	6	20°8924	16°0836	8	9°7516	3°9588		
2795	17	5°5524	15°1566	24	16°7446	3°0228		2838	6*	22°0717	15°8180	9	10°9155	3°6509		
2796	3*	8°0536	15°8998	7	19°2188	3°8707		2839	4*	22°6895	15°9622	5	11°5431	3°7704		
2797	7	8°1753	15°1264	15	19°3699	3°1035		2840	6	22°7113	15°6643	4	11°5508	3°4696		
2798	7*	13°2311	15°1748	20	24°4218	3°3618		2841	6	15°6474	16°3014	6*	4°5195	4°3879		
2799	19§	3°6184	16°5038	31§	14°7570	4°2863		2842	10	20°5154	16°4241	14	9°3870	4°3160		
2800	2*	5°2889	16°6845	5†	16°4198	4°5397		2843	31§	24°8456	16°9437	33§	13°7335	4°6629		
2801	8	7°3513	16°8018	18	18°4763	4°7407		2844	7	18°3342	17°7593	10	7°2599	5°7382		
2802	10	9°8843	16°5895	18	21°0155	4°6368		2845	42§	21°0958	17°8894	54§	10°0220	5°7571	68 456	8·5
2803	26§	10°0083	16°4474	38§	21°1473	4°5003	68 451	2846	38§	14°5878	17°9227	52§	3°5217	6°0498	68 453	8·4
2804	2†	10°1832	16°6377	6	21°3147	4°6977		2847	40§	18°5513	18°4620	60§	7°5041	6°4320	68 454	8·2
2805	17§	12°6623	16°8321	40§	23°7810	4°9975		2848	7	19°6683	18°5928	12	8°6265	6°5196		
2806	13	3°3941	17°5724	18§	14°4902	5°3435		2849	10	18°3644	19°4772	17	7°3578	7°4537		
2807	7	4°9975	17°3641	12	16°0975	5°2057		2850	9	17°4818	20°6877	11	6°5243	8°7006		
2808	2*	5°2187	18°3667	6	16°2807	6°2149		2851	31§	22°2734	20°0153	39§	11°2846	7°8360	68 457	8·2
2809	9	9°6454	18°1849	19	20°7106	6°2206	68 450	2852	24§	24°2270	20°0730	30§	13°2409	7°8162	68 459	9°0
2810	7	9°6963	18°3032	16	20°7553	6°3399		2853	6	17°0668	21°3290	6	6°1366	9°3581		
2811	16§	7°7048	19°0993	26§	18°7339	7°0540	68 449	2854	11	18°5109	21°1033	13	7°5705	9°0716		
2812	2*	7°9856	19°2305	6	19°0088	7°1671		2855	8	22°1619	21°4879	9	11°2339	9°3118		
2813	2*	10°3971	19°9188	7	21°3854	7°9825		2856				4	13°0478	9°4379		
2814	14§	13°6668	18°9780	31§	24°6945	7°1828		2857	8	14°5183	21°9628	15	3°6151	10°0915		
2815	19	4°4064	20°9407	22	15°3601	8°7531		2858	6	15°0478	22°2884	9	4°1554	10°3977		
2816	3*	6°5016	21°0565	8	17°4485	8°9573		2859	4*	22°5784	22°4117	6	11°6855	10°2201		
2817				6	18°3382	8°1858		2860	40§	24°6746	22°5053	40§	13°7836	10°2281	68 460	9·2
2818	8	11°3982	20°1564	20§	22°3808	8°2651		2861	6*	16°7972	23°5190	10	5°9540	11°5572		
2819	10	13°1956	20°1310	21	24°1749	8°3164		2862	25§	18°8534	23°2510	25§	7°9983	11°2039	68 455	9°5
2820	2*	3°0721	21°2567	6	14°0225	9°0130		2863	4†	19°3237	23°8145	6	8°4918	11°7510		
								2864	5†	21°0259	23°3344	10	10°1711	11°2010		
								2865	3*	22°8249	23°5055	4*	11°9777	11°3001		
								2866				4	5°5462	12°1319		
								2867	8	17°5766	24°6036	13	6°7764	12°6090		
								2868				8	12°0707	12°6088		
								2869	58§	23°1215	24°7251	62§	12°3212	12°5094	68 458	8°0



R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 50 <sup>m</sup> to 7 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 725. 1893, Jan. 4.				R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1785. 1894, Feb. 12.				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 3039. 1896, Mar. 23.				R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1785. 1894, Feb. 12.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
2870	7	15.5682	25.2656	12	4.7980	13.3512		2920	9	8.2237	20.4794	4	19.2661	8.5417			
2871	4*	18.4841	25.6286	6	7.7258	13.5976		2921	4	9.6349	20.9385						
2872				6	9.6228	13.8643		2922	10	11.3185	20.9305	4*	22.3458	9.1078			
	53§	25.8568	21.4477				68 462	2923	7	12.7720	20.0890						
	116§	17.1693	26.0568				69 394	2924	51§	3.9046	21.2248	50§	14.9233	9.1227	68 462		
							8.7	2925	19	5.0732	21.5559	14	16.0796	9.4995			
							5.2	2926	24§	9.3878	21.7451	29	20.3841	9.8501			
								2927	8	10.2761	21.4017	3*	21.2822	9.5387			
								2928	5	12.1483	21.2365						
								2929	9	13.1248	21.5513	4*	24.1223	9.7963			
								2930	6	6.3890	22.7731	4*	17.3461	10.7649			
								2931	6	6.5178	22.0165						
								2932	6	6.6674	22.1742	4*	17.6470	10.1758			
								2933	12	6.7367	22.5628	7	17.7042	10.5679			
								2934	6	10.3494	22.4117						
								2935	6	11.2027	22.0403						
								2936	11	12.4014	22.8767						
								2937	10	13.3489	22.0883						
								2938	35§	13.5390	22.7832	45§	24.4911	11.0445	68 464		
								2939	7	7.5911	23.7995	4	18.5111	11.8345			
								2940	14	9.1368	23.7558	7	20.0579	11.8495			
								2941	24§	10.4498	23.3872	24	21.3815	11.5265			
								2942	7	11.4720	23.2813	3*	22.4087	11.4633			
								2943	7	12.2485	23.4329						
								2944	7	12.8937	23.5598						
								2945	10	3.6490	24.4931	6	14.5429	12.3794			
								2946	9	7.2580	24.7111	5	18.1436	12.7318			
								2947	11	10.4426	24.1787	6*	21.3440	12.3223			
								2948	8	7.7654	25.7063	3*	18.6110	13.7487			
								2949	9	11.7483	25.0450	4	22.6201	13.2342			
									34§	2.1746	19.9800	43§	14.3779	1.5055	68 461		
									49§								

1 réseau interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .

## ZONE + 68°.

R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 3039. 1896, Mar. 23.				Plate 1777. 1894, Feb. 8.				Plate 3039. 1896, Mar. 23.				Plate 1777. 1894, Feb. 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 68°.

R.A. 7 <sup>h</sup> 10 <sup>m</sup> to 7 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>									R.A. 7 <sup>h</sup> 20 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°							
Plate 3361. 1897, Feb. 17.			Plate 1777. 1894, Feb. 8.						Plate 3361. 1897, Feb. 17.			Plate 2471. 1895, Mar. 22.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.											
								No.											
3074	6*	4°0730	25°6661	6	14°8234	13°4692	°	m.	3124	6	15°7608	23°9328	4	4°9298	12°0650	°	m.		
3075	37§	8°3182	25°3360	40§	19°0812	13°3144	69	419	8°7	3125	25§	17°1426	24°0250	20§	6°3140	12°1026	68	483	9°3
3076	19	10°2167	25°5450	22	20°9691	13°6039				3126	7	17°6999	24°8846	5	6°9036	12°9405			
3077	7	12°6500	25°3228	8	23°4114	13°4834				3127				3	11°6261	12°9161			
										3128	11	14°6410	24°8523	7	3°8471	13°0290			
										3129	6	15°6677	25°6747	3*	4°9028	13°8082			
										3130				9	5°2305	13°5946			
										3131	18	16°0045	25°4658	12	5°2327	13°5853	69	426	9°5
										3132	4*	19°1212	25°5037	3*	8°3489	13°5038			
										3133	7*	21°7479	25°6192	5	10°9758	13°5107			
										3134	13	22°4791	25°1955	11	11°6898	13°0573			

Nos. 3130 and 3131. These stars are not separated on Plate 3361.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

ZONE + 68°.

R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 40 <sup>m</sup> —contd.									R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre		R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre		R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				
Plate 1861. 1894, Mar. 11.					Plate 2471. 1895, Mar. 22.					Plate 1861. 1894, Mar. 11.		Plate 1856. 1894, Mar. 8.							
No.	Diam.	x.	y.	Diam.	x.	y.			No.	Diam.	x.	y.	Diam.	x.	y.			B. D.	
																		No.	Mag.
3177	8*	4.3929	25.7277	4	15.1073	13.5926		m.	3227	54§	20.6618	20.1874	45§	9.6845	8.1528	68°	510	m.	
3178	13	10.8848	25.1587	5	21.6150	13.2781			3228	8	21.2593	20.6491	10	10.3005	8.5922			8.0	
3179	8	11.7805	25.2173	4	22.5103	13.3742			3229				4	12.9482	8.4272				
	65§	1.4793	22.2013				68	489	9.4	3230	50§	24.9538	20.1878	31§	13.9696	7.9805	68	513	9.3
										3231	9	16.4039	21.5817	7	5.4893	9.7241			
										3232	8	18.0565	21.4890	7	7.1343	9.5620			
										3233	21	19.0340	21.7495	18	8.1229	9.7813			
										3234	5*	22.7131	21.2474	7	11.7764	9.1327			
										3235	16	23.0467	21.4378	15	12.1189	9.3070			
										3236	6*	24.6139	21.3216	8	13.6793	9.1245			
										3237				6	13.7530	9.1073			
										3238	6	17.0461	22.5884	6	6.1721	10.7009			
										3239	43§	18.4064	22.0000	40§	7.5068	10.0580	68	506	9.2
										3240	14	21.1750	22.7281	13	10.3035	10.6725			
										3241	64§	22.8036	22.8309	41§	11.9328	10.7052	68	511	8.9
										3242	5*	18.4596	23.3174	7	7.6130	11.3704			
										3243	5*	19.6351	23.9207	6	8.8128	11.9246			
										3244	12	21.7562	23.7391	12	10.9224	11.6562			
										3245				8	13.0813	11.4789			
										3246				7	13.4352	11.4336			
										3247	27	19.8763	24.2820	21	9.0691	12.2806			
										3248	8*	22.6849	24.2456	11	11.8741	12.1237			
										3249	13	23.0592	24.9800	20	12.2780	12.8456			
										3250				8	13.1037	12.6619			
										3251	5*	24.1473	24.8579	10	13.3600	12.6783			
										3252	8*	14.3634	25.6399	9	3.6152	13.8655			
										3253	7*	18.9188	25.5716	10	8.1640	13.6028			
											88§	21.5838	26.5192	53§	1.6375	5.6301	68	497	9.1
																	69	448	8.5

1. *réseau* interval represents very nearly  $5' = 53^{\circ}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\circ}.8$  at Dec.  $+ 69^{\circ}$ .



## ZONE + 68°.

R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup> —contd.																	
Centre		R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre		R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°												
		Plate 781. 1893, Feb. 11.			Plate 1856. 1894, March 8.						Plate 781. 1893, Feb. 11.			Plate 2433. 1895, March 3.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		m.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		m.									
									B. D.																	
									No.									Mag.								
3277	15	3·6195	18·9525	11	14·7136	6·9167			3323	52§	14·3411	16·9680	59§	3·2587	5·1691	68°	523	8·7								
3278	8	3·8445	18·8286	8	14·9475	6·7987			3324	28§	20·4437	16·9478	26	9·3550	4·8608	68	526	9·5								
3279	13	5·0820	18·5359	12	16·1905	6·5463			3325	7	20·9730	16·9088	3*	9·8754	4·7985											
3280	8	11·1346	18·0353	4*	22·2595	6·2482			3326	8	21·2639	16·4894	4*	10·1552	4·3651											
3281	19	5·8489	19·2740	17	16·9342	7·3102			3327	12	14·4391	17·3779	3*	3·3781	5·5756											
3282	35	6·3394	19·3223	31§	17·4216	7·3756	68	516	9·4	3328	6	14·5501	17·5826													
3283	9	8·8917	19·3843	9	19·9743	7·5229			3329	5	15·7877	17·6610														
3284				4	14·2514	8·3968			3330	6	17·5525	17·4312														
3285				9	14·4242	8·5295			3331	9	18·3858	17·5400	3*	7·3314	5·5551											
3286	38§	5·8187	20·4302	29§	16·8647	8·4658	68	515	9·2	3332	7	19·2143	18·8312	3*	8·2168	6·8018										
3287	6	9·0605	20·0025						3333	24§	19·3963	18·1168	17	8·3643	6·0777											
3288	19	9·5116	20·3026	14	20·5616	8·4636			3334	21	18·4154	19·6983	15	7·4575	7·7031											
3289	5	9·8849	20·1304	4†	20·9394	8·3035			3335	7	18·5424	19·4652	4*	7·5722	7·4653											
3290	14	6·7178	21·4948	12	17·7278	9·5577			3336	19	18·5793	19·8476	8	7·6285	7·8459											
3291	15	9·3570	21·0635	14	20·3496	10·1189			3337	19	19·3260	19·1409	9	8·3417	7·1049											
3292	56§	9·3848	21·8870	60§	20·3814	10·0418	68	518	7·7	3338	6	20·6601	19·4413	3*	9·6874	7·3419										
3293	14	10·6238	21·6327	12	21·6262	9·8294			3339	50§	24·8100	19·8504	35§	13·8502	7·5564	68	528	8·9								
3294	18	10·9638	21·3130	19	21·9780	9·5220			3340	25§	15·1356	20·6685	23§	4·2285	8·8265											
3295	6	13·7957	21·2825						3341	8	15·5870	20·1368	4	4·6566	8·2761											
3296	7*	4·3511	22·0726	5	15·2732	10·1093			3342	23§	15·8143	20·9803	20	4·9200	9·1082											
3297				4	15·5100	10·0225			3343	4	15·8803	20·9983														
3298	25	4·5899	22·1401	20§	15·5786	10·1343			3344	16	16·1763	20·4769	9	5·2610	8·5872											
3299				4†	18·6612	10·9024			3345	17	17·2191	20·2460	8	6·2901	8·3054											
3300	8	11·1538	22·1377	4	22·1405	10·3518			3346	8	14·3546	21·3007	3*	3·4774	9·4993											
3301	12	4·3638	23·1064	14	15·3199	11·0936			3347	4	14·9643	21·2551														
3302	9	5·6297	23·1864	9	16·5835	11·2142			3348	26§	16·4635	21·1303	23	5·5776	9·2266											
3303	23	9·1419	23·4733	21§	20·0854	11·6206			3349	8	19·5141	21·4891	3*	8·6379	9·4441											
3304	12	9·6351	23·9400	10	20·5615	12·1028			3350	31§	23·4597	21·6270	20	12·5860	9·3936											
3305	10	12·7908	23·1464	9	23·7429	11·4169			3351	8	16·4904	22·6747	3*	5·6779	10·7706											
3306				8	14·3053	13·2006			3352	13	17·1155	22·2192	6*	6·2775	10·2846											
3307	9	4·3508	25·4486	12	15·2277	13·4333			3353	5	17·1572	22·6574														
3308				4	15·6353	13·3454			3354	22§	17·5157	22·2271	12	6·6781	10·2721											
3309	35	6·5015	25·2451	24§	17·3811	13·3015			3355	27§	17·9065	22·0482	22	7·0607	10·0763	68	525	9·5								
3310				6	19·0278	13·0594			3356	28	21·0878	22·2579	18	10·2521	10·1357	68	527	9·5								
3311	8	8·5471	25·4270	8	19·4248	13·5539			3357	107§	17·0937	23·1316	107§	6·2991	11·1964	68	524	4·8								
									3358	7*	22·9042	23·2610	4	12·1062	11·0531											
				64§	18·9595	1·3704	68	517	7·5	3359	26	24·3481	23·6271	20	13·5672	11·3462										
				52	23·7125	1·8072	68	522	9·2	3360	23	15·0335	24·9400	14	4·3270	13·0986										
				71§	25·5034	5·2881	68	523	8·7	3361	37§	17·9001	24·3992	34§	7·1662	12·4250										
	33§	1·8859	15·0023				68	512	9·4	3362	23	17·5647	25·4157	16	6·8778	13·4554										
										3363	9	17·9803	25·2545	4	7·2849	13·2755										
										3364	22	19·0140	25·4001	14	8·3241	13·3731										
R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup>									R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup>																	
Centre		R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre		R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°												
		Plate 781. 1893, Feb. 11.			Plate 2433. 1895, March 3.						Plate 2486. 1895, March 24.			Plate 2433. 1895, March 3.												
3312	12	18·7659	14·6163	4*	7·5706	2·6128			3365	7	3·6389	14·5158														
3313	20§	20·7099	14·1095	6*	9·4872	2·0141			3366	22	4·7573	14·0933	22	16·0720	1·9028											
3314	9	24·1810	14·5332						3367	15	5·9695	14·6347	9*	17·2593	2·4921											
3315	21	24·4858	14·6002	8	13·2837	2·3276			3368	6	8·1238	14·1709														
3316	8	14·2260	15·1348						3369	11	8·7866	14·5206	8*	20·0805	2·4933											
3317	13	18·6948	15·8297	4*	7·5549	3·8274																				
3318	9	19·9653	15·6896	4*	8·8136	3·6241																				
3319	7	20·2072	15·6712																							
3320	4†	20·5954	15·9098																							
3321	34§	22·1711	15·3383	28	11·0033	3·1729																				
3322	20	22·7406	15·0713	6	11·5602	2·8802																				

1 réseau interval represents very nearly 5' = 53·4 of R.A. at Dec. + 68°, and 55·8 at Dec. + 69°.

## ZONE + 68°.

B. D.							B. D.								
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.		
No.							No.								
Mag.							Mag.								
R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup> —contd.							R.A. 8 <sup>h</sup> 20 <sup>m</sup> to 8 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°							Centre R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°								
Plate 2486. 1895, March 24. Plate 2433. 1895, March 3.							Plate 2486. 1895, March 24. Plate 1788. 1894, Feb. 12.								
3370	4†	13°2881	14°0993				3423	12	19°7760	14°8056	12	8°6950	2°8009		
3371	6	5°0800	15°3555				3424	26§	19°8394	14°1648	36§	8°7300	2°1541		
3372	5	5°7332	15°2963				3425	10	21°6423	14°8343	10	10°5609	2°7526		
3373	6	11°0118	15°4932				3426	11	22°6428	14°3424	10	11°5389	2°2218		
3374	6	11°5388	15°5836				3427	38§	16°7433	15°9293	47§	5°7090	4°0450		
3375	8	3°3156	16°1117				3428	21	21°1544	15°0160	25	10°0789	2°9530		
3376	33§	6°4229	17°5423	39§	17°5947	5°4143	68 530	8°9	3429	15	23°5180	15°6765	14	12°4678	3°5178
3377	51§	11°8376	17°5348	72§	23°0070	5°6255	68 533	8°0	3430	25	24°5347	15°3601	27§	13°4718	3°1572
3378	6	9°6443	18°1914	4*	20°7884	6°1951			3431	9	24°9645	15°5752	10	13°9082	3°3552
3379	6	12°2714	18°6780						3432	5	14°3758	16°6112	3*	3°3768	4°8261
3380	5	3°9500	19°0163	3*	15°0581	6°7906			3433	16	14°5288	16°1588	20	3°5079	4°3675
3381	14	5°2113	19°5846	9	16°3011	7°4046			3434	19§	16°6388	16°7676	21	5°6400	4°8878
3382	14	7°8857	19°5339	13	18°9768	7°4639			3435	20§	19°4735	16°8660	25§	8°4740	4°8726
3383	4	10°3799	19°5661						3436	7	19°9042	16°7459	7	8°9000	4°7324
3384	42§	10°6967	19°9451	53§	21°7708	7°9878	68 532	8°5	3437	9	24°0040	16°3682	11	12°9813	4°1893
3385	11	13°5255	19°8661	7*	24°5974	8°0285			3438	3*	16°4067	17°7921	2*	5°4514	5°9217
3386	15	4°2148	20°8089	10	15°2585	8°5919			3439	4	17°2970	17°8651			
3387	7	5°1963	20°4067	5†	16°2538	8°2283			3440	17§	18°2425	17°4441	21	7°2693	5°4981
3388	5	10°3894	20°8367						3441	15	18°5773	17°9640	20	7°6260	6°0043
3389	5	12°6948	20°3938						3442	20§	19°5117	17°8714	23	8°5551	5°8718
3390	16	13°9800	20°9925	13	25°0078	9°1670			3443	18	20°9740	17°6950	20	10°0090	5°6373
3391	43§	3°6218	21°5015	35§	14°6376	9°2570	68 529	8°5	3444	16	16°7943	18°8505	19	5°8813	6°9633
3392	4*	5°8826	21°2176	4*	16°9046	9°0722			3445	5	20°1579	18°2172	4	9°2153	6°1935
3393	7	8°4697	21°6357	6	19°4748	9°5911			3446	16	23°3174	18°4410	19	12°3805	6°2862
3394	5	10°9105	21°6137	4*	21°9161	9°6661			3447	26§	23°8025	18°1644	24	12°8542	5°9878
3395	9	11°6986	21°3160	5*	22°7141	9°4016			3448	6*	24°8962	18°5651	6	13°9638	6°3469
3396	12	12°5509	21°6806	9	23°5528	9°7968			3449	8	14°6328	19°8228	8†	3°7614	8°0225
3397	5*	3°1781	22°6665	4*	14°1566	10°4058			3450	20§	15°4923	19°5631	25	4°6092	7°7264
3398	8	3°2639	22°1839	6	14°2513	9°9248			3451	6	15°9174	19°8336	7	5°0457	7°9825
3399	11	6°7893	22°1186	8	17°7769	10°0038			3452	4	17°7174	19°0816	3*	6°8121	7°1555
3400	4	11°3353	22°2108						3453	5*	21°2175	19°1555	3*	10°3158	7°0901
3401	9	11°4998	22°9490	7*	22°4491	11°0245			3454	7*	23°0398	19°9930	6	12°1680	7°8493
3402	9	6°6792	23°8554	6	17°5975	11°7357			3455	16	19°6793	20°7958	18	8°8424	8°7883
3403	12	6°9215	23°0630	8	17°8700	10°9538			3456	8	17°1859	21°3173	10	6°3719	9°4113
3404	38§	6°9613	23°0065	36§	17°9113	10°8978	68 531	8°5	3457	18	17°8459	21°9061	17	7°0560	9°9755
3405	6	11°9718	23°9938						3458	4	18°7481	21°7560	4	7°9508	9°7863
3406	4	12°7295	23°9550	4§	23°6383	12°0830			3459	4	15°3145	22°3971	3*	4°5475	10°5718
3407				4	14°2388	12°1775			3460	16	18°6898	22°6339	20	7°9300	10°6649
3408	9	3°6036	24°5326	9	14°4939	12°2852			3461	6*	20°0993	22°3377	5	9°3264	10°3133
3409				4	14°9035	12°5099			3462	9	20°5139	22°4069	9	9°7403	10°3643
3410	5*	5°2714	24°5022	6	16°1636	12°3245			3463	22§	14°6281	23°2427	24§	3°8982	11°4381
3411	17	8°0515	24°0860	14	18°9603	12°0240			3464	3*	18°6865	23°7236	3	7°9735	11°7540
3412	20	8°6247	24°2592	19	19°5253	12°2155			3465	5*	20°7577	23°3392	4	10°0237	11°2887
3413	7	8°9089	24°4723	4	19°7996	12°4411			3466	14	24°2582	23°3879	19	13°5229	11°1905
3414	11	9°5775	24°3726	10	20°4720	12°3670			3467	9*	24°3897	23°6907	15	13°6689	11°4872
3415	23	10°7360	24°0160	21	21°6428	12°0603			3468	79§	15°0995	24°0970	90§	4°4013	12°2726
3416	8	13°4100	24°4258	4*	24°2983	12°5814			3469	4*	16°3900	24°5749	3*	5°7113	12°7010
3417	11	5°9758	25°4145	10	16°8296	13°2641			3470	12	20°3158	24°8502	9	9°6457	12°8148
3418	17	6°1765	25°7053	13	17°0178	13°5634			3471	15	21°6986	24°7383	19§	11°0188	12°6449
3419	44§	10°4114	24°9993	43§	21°2790	13°0268	69 467	8°7	3472	11*	23°0073	24°5877	16	12°3234	12°4410
3420	6	11°5392	25°0335	6	22°4033	13°1055			3473	16	24°6463	24°1576	21	13°9411	11°9442
3421	7	12°8702	25°3450	7*	23°7221	13°4738			3474	22	19°4628	25°2780	24	8°8108	13°2754
3422	28§	13°8658	25°7350	32	24°6997	13°9009	69 469	9°4	3475	6*	20°6436	25°4845	6	10°0010	13°4330
									3476	22	23°3310	25°9910	25§	12°7043	13°8274
									3477	11*	23°7415	25°2089	15	13°0836	13°0310
	33§	2°7702	19°8303	102§	26°0020	12°3145	69 470	6°7		60§	24°8460	24°0874			
							68 528	8°9						68 535	8°9



## ZONE + 68°.

R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup>									R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			Centre R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°									
Plate 832. 1893, March 11.			Plate 1788. 1894, Feb. 12.			Plate 832. 1893, March 11.			Plate 879. 1893, March 19.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
3478	6	2.6628	14.2877	11	14.0273	2.0490	°	m.	3527				6	11.9094	7.0000	°	m.	
3479	7	8.2010	14.6489						3528	16	20.8477	20.2046	17	9.9183	8.0543			
3480	14	11.7719	14.2783	18†	23.1315	2.4001			3529	27§	15.7154	21.4648	34§	4.8421	9.5522	68	543	
3481	14	13.0338	14.8780	19*	24.3714	3.0499			3530	24§	15.8265	21.1576	27§	4.9427	9.2398			
3482	4*	3.0365	15.4020	7	14.3539	3.1783			3531	25§	18.0248	21.8338	26§	7.1644	9.8287	68	545	
3483	7	4.6764	15.8401	7	15.9793	3.6803			3532	7	18.9483	21.9695	11	8.0922	9.9246			
3484	8	5.4736	15.9583	15	16.7694	3.8305			3533	26§	19.6333	21.2090	27§	8.7442	9.1385	68	546	
3485	19	3.0845	18.0984	20	14.2978	5.8749			3534	25	21.5317	21.9910	23§	10.6738	9.8434			
3486	13	10.6373	17.2894	21	21.8793	5.3633			3535	4*	16.3841	22.0611	5	5.5369	10.1249			
3487				6	14.0163	6.1134			3536	10	21.7732	22.5800	10	10.9370	10.4215			
3488	16	6.5786	18.5517	20	17.7720	6.4645			3537	11*	24.4735	22.0229	10	13.6122	9.7519			
3489	18	7.6564	18.5847	20	18.8489	6.5404			3538	6	14.1332	23.2675	7	3.3347	11.4187			
3490	8	8.4026	18.4709	13	19.5991	6.4560			3539	4†	15.4755	23.9558	8	4.7031	12.0520			
3491	20§	11.4659	18.2042	36	22.6702	6.3108	68	538	3540	10	16.4979	23.6265	11	5.7099	11.6819			
3492				5	17.8940	7.4193			3541	10	16.8452	23.4850	10	6.0527	11.5246			
3493	11	8.9463	19.1871	15	20.1136	7.1939			3542	11	17.2345	23.7632	12	6.4551	11.7885			
3494	29§	8.5776	20.9550	40§	19.6771	8.9468	68	537	3543	5*	18.7464	23.8219	7	7.9668	11.7824			
3495	5*	4.6766	21.6155	8	15.7496	9.4534			3544	6†	20.4875	23.1900	8	9.6803	11.0827			
3496	9	7.3582	22.1316	12	18.4104	10.0735			3545	4*	21.9607	23.9215	6	11.1774	11.7494			
3497	17	11.8541	22.2357	24	22.8972	10.3540	68	540	3546				4	12.2378	11.6509			
3498	50§	3.1616	24.0893	42§	14.1392	11.8641	68	535	3547	42§	20.9625	24.2521	43§	10.1967	12.1255	69	490	
3499	8*	3.5257	24.0229	12	14.5050	11.8136			3548				5	10.7063	12.5530			
3500	7	11.4352	23.5014	9	22.3403	11.5990			3549	54§	24.7345	24.4230	36§	13.9715	12.1411	68	547	
3501	19	12.0343	23.3473	26	23.0345	11.4732			3550	9	15.0255	25.7970	14	4.3276	13.9117			
3502	7	9.3043	24.8178	14	20.2494	12.8344							22	1.0178	10.4811	68	540	
3503	25	10.9853	24.3850	28§	21.9468	12.4692							26	1.0448	12.3649	68	539	
3504	23	11.8052	24.1206	22	22.7749	12.2356	68	539										
3505	5*	4.5382	25.9755	9	15.4368	13.8055												
3506	15	6.5153	25.1376	19	17.4491	13.0432												
3507	12	7.3846	25.8098	14	18.2903	13.7496												
3508	7	8.9893	25.1128	12	19.9208	13.1190												
3509	4*	9.4186	25.1748	5	20.3476	13.1978												
3510	10	10.3750	25.1438	15	21.3069	13.2031												
3511	6	13.1311	24.8864	11	24.0687	13.0535												
				40	26.8203	2.9360	68	542										
				72	26.4804	3.8422	68	541										
R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup>									R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>									
Centre R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°									
Plate 832. 1893, March 11.			Plate 879. 1893, March 19.			Plate 765. 1893, Feb. 8.			Plate 879. 1893, March 19.									
3512	24§	15.4804	14.6688	27	4.3301	2.7732	68°	542	3551	30§	5.9055	14.7808	40§	17.1979	2.7530	68°	549	
3513	19	16.4578	14.0118	22	5.2822	2.0778	68	544	3552	96§	6.7264	14.1857	97§	18.0405	2.1898	68	551	
3514	13	17.3121	14.9284	10	6.1731	2.9590			3553	29§	6.5692	16.8652	28§	17.7815	4.8630	68	550	
3515	41§	15.1741	15.5895	45§	4.0612	3.7027	68	541	3554	14	6.8398	16.3592	14	18.0712	4.3680			
3516	14	18.5195	16.1311	10	7.4265	4.1095			3555	20	8.0203	17.9211	16	19.1920	5.9755	68	552	
3517	26§	19.0978	16.6046	28	8.0253	4.5622			3556				6	14.2338	6.3489			
3518	20§	19.5174	16.5385	22	8.4388	4.4765			3557	11	12.4537	18.2248	14	23.6105	6.4496			
3519	5	20.2585	16.1933	3	9.1670	4.1019			3558	16	13.5241	17.7792	18	24.7000	6.0428			
3520	6	22.1992	16.3044	5	11.1092	4.1335			3559				5	15.1500	7.6575			
3521	12	14.2645	17.3509	9	3.2261	5.5026			3560	20	6.4870	19.4832	18	17.6009	7.4781			
3522	20	15.2981	17.8289	23	4.2786	5.9353			3561	9	7.1266	19.4969	9	18.2390	7.5168			
3523	8	19.8855	18.7921	6	8.9004	6.7135			3562	9	11.3519	19.0510	11	22.4811	7.2318			
3524	3	20.2634	18.0898	3*	9.2461	5.9958			3563	23	12.2525	19.5118	26	23.3618	7.7267			
3525	12	22.6148	18.7352	14	11.6211	6.5460			3564	5	12.3670	19.3449	5*	23.4828	7.5652			
3526	21	20.5660	19.1826	20	9.5957	7.0759			3565	24§	13.4094	19.5519	33	24.5167	7.8106	68	554	
									3566	16	4.5031	20.3858	15	15.5809	8.3040			
									3567	15	6.9276	20.4968	12	18.0013	8.5079			
									3568	5*	9.0197	20.0556	5	20.1115	8.1456			
									3569	5	10.0840	20.1650	5	21.1679	8.2952			
									3570	50§	10.4074	19.8705	52§	21.5030	8.0125	68	553	
									3571	6	9.1560	21.2717	7	20.1990	9.3668			
									3572	4*	5.7490	22.1919	4	16.7575	10.1556			
									3573	8	10.6810	22.5744	7	21.6735	10.7258			
									3574	6	4.5377	23.9990	6	15.4775	11.9180			
									3575	11	3.1878	24.2494	11	14.1173	12.1174			

No. 3533. B. D. 68° 546. The R. A. given in the B. D. appears to be 1<sup>m</sup> too small.  
 No. 3552.  $\rho$  Urse Majoris.

1 réseau interval represents very nearly 5' = 53<sup>s</sup>.4 of R.A. at Dec. + 68°, and 55<sup>s</sup>.8 at Dec. + 69°

ZONE + 68°.

R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 9 <sup>h</sup> 10 <sup>m</sup> to 9 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre		R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 765. 1893, Feb. 8.					Plate 879. 1893, March 19.					Plate 767. 1893, Feb. 8.		Plate 1789. 1894, Feb. 12.							
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
3576	6†	7.2176	24.0981	6	18.1519	12.1191	°	m.	3618	33§	8.6601	15.5586	42§	19.9436	3.5504	68°	567	8.2	
3577	70§	10.9705	23.9953	74§	21.9068	12.1600	69	504	7.3	3619	8	4.4913	16.5311	12	15.7405	4.3747			
	42§	3.0398	24.2846				68	547	9.0	3620	7	11.4885	16.3806	7*	22.7415	4.4767			
										3621	7†	3.5268	17.4708	8	14.7413	5.2778			
										3622	9	5.7055	17.0838	6	16.9346	4.9713			
										3623	15	5.8984	18.6797	17	17.0687	6.5747			
										3624	9	7.0085	18.5725	9	18.1837	6.5055			
										3625	8	8.2833	18.8129	10	19.4501	6.7921			
										3626	6*	4.7761	19.8189	6	15.9096	7.6727			
										3627	9	5.8981	19.8266	9	17.0287	7.7187			
										3628	30§	7.6767	19.9072	20§	18.8056	7.8630	68	566	9.5
										3929	6	12.8157	19.7885	5*	23.9460	7.9288			
										3630	15	7.8472	20.9281	16	18.9387	8.8905			
										3631	18§	13.4772	20.6698	29	24.5732	8.8349	68	568	9.5
										3632	14§	13.8274	20.3877	24	24.9338	8.5663			
										3633	22§	12.0864	21.9333	28	23.1382	10.0460			
										3634	16	15.3248	21.2148	15	16.4074	9.0849			
										3635	13	5.7255	22.4252	12	16.7622	10.3093			
										3636	8	7.9673	22.5606						
										3637	7	13.7046	22.9720						
										3638	5*	4.7457	23.8669	6	15.7309	11.7167			
										3639	22	5.4699	23.5189	20	16.4694	11.3927			
										3640	14	6.3621	23.4757	11	17.3637	11.2829			
										3641	6	9.1125	23.8764	6	20.0956	11.8822			
										3642	21§	11.7248	23.1094	25§	22.7353	11.2085			
										3643	11	12.2922	23.1283	12	23.2999	11.2487			
										3644	7†	7.0213	24.3443	7	17.9893	12.2753			
										3645	11	9.9526	24.1017	10	20.9273	12.1404			
										3646	8	10.6563	24.1705	8	21.6287	12.2316			
										3647	9	12.3613	24.1377	10	23.3335	12.2616			
														24	25.2826	9.7057	68	570	9.5
														40§	25.0430	10.3039	68	569	9.3
										49§	1.2947	19.5120				68	563	9.3	
R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 10 <sup>m</sup>									R.A. 9 <sup>h</sup> 20 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup>										
Centre		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°			R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre		R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				
Plate 765. 1893, Feb. 8.					Plate 1789. 1894, Feb. 12.					Plate 767. 1893, Feb. 8.		Plate 1919. 1894, March 31.							
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
3578	6	17.7997	14.7023	6	6.7068	2.7431	°	m.	3648	38§	16.1835	14.5029	62§	4.9713	2.6346	68°	571	9.0	
3579	8	15.8066	15.3567	8*	4.7444	3.4843			3649	25§	17.6471	14.5770	33§	6.4371	2.6424	68	573	9.5	
3580	24	16.4657	15.3384	40	5.4006	3.4333			3650	27§	21.8758	14.9250	42§	10.6762	2.8025	68	574	9.5	
3581	10	20.8781	15.7806	11	9.8315	3.6759			3651	21	21.6638	15.4959	24	10.4909	3.3829				
3582	24	23.4792	15.2223	30	12.4036	3.0018			3652	8	21.5831	15.3076	8	10.4016	3.1979				
3583	7	23.7420	15.6357	10	12.6859	3.4035			3653	4	23.1627	15.4466							
3584	6	14.3122	16.5507	7*	3.3091	4.7448			3654	10	23.3159	15.6068	9	12.1488	3.4216				
3585	19	17.3952	16.3484	25	6.3768	4.4007			3655	10	24.1601	15.1188	7	12.9673	2.8933				
3586	4*	18.1329	16.0669	3*	7.1039	4.0854			3656	13	14.0865	15.9805	11	2.9438	4.2035				
3587	7	20.5227	16.5902	10	9.5134	4.5038			3657	12	16.6774	16.6697	15	5.5622	4.7749				
3588	6	21.9239	16.1977	9	10.8963	4.0474	68	559	9.4	3658	7	18.4824	16.0912	9	7.3389	4.1171			
3589	29§	17.6131	17.6552	35§	6.6527	5.6968			3659	9	19.1317	16.0760	8	7.9863	4.0734				
3590	8	20.3032	17.0675	13	9.3128	4.9873			3660	23	23.6162	16.6892	26	12.4918	4.4885				
3591	25§	20.9683	17.0080	27§	9.9758	4.8986			3661	17	17.0058	18.2621	15	5.9615	6.3522				
3592	29§	16.2695	18.9690	40§	5.3719	7.0690	68	556	9.4	3662	6	16.7086	19.5224	6	5.7165	7.6240			
3593	18	17.3271	18.5614	25§	6.4097	6.6157			3663	12	18.1326	19.6184	13	7.1464	7.6589				
3594	7	20.1896	18.2440	10	9.2558	6.1712			3664	8†	18.5841	19.0660	8	7.5660	7.0844				
3595	22§	21.3875	18.0390	25§	10.4421	5.9101	68	561	9.5	3665	23§	20.3893	19.1780	28§	9.3795	7.1179			
3596	6	23.0285	18.5505	9	12.1046	6.3460			3666	15	17.3223	20.4141	19	6.3706	8.4866				
3597	24§	15.4036	19.3359	30§	4.5207	7.4753													
3598	27§	17.0213	19.0593	34§	6.1277	7.1255	68	558	9.4										
3599	27§	19.4897	19.0802	32§	8.5914	7.0353	68	560	9.4										
3600	43§	23.3257	19.4572	49§	12.4405	7.2380	68	563	9.3										
3601	15	14.0315	20.7247	22	3.2158	8.9245													
3602	7	20.0250	20.8551	7	9.2073	8.7860													
3603	4*	20.8489	20.5715	6	10.0193	8.4654													
3604	34§	23.5138	20.0655	35§	12.6574	7.8376	68	564	9.4										
3605				6	3.2213	9.8473													
3606				8	7.0542	9.9835													
3607	20	19.7631	21.3924	20	8.9688	9.3351													
3608	31§	22.0762	21.7584	40§	11.2962	9.5944	68	562	9.5										
3609	5	18.3554	22.2994	7	7.6053	10.3054													
3610	29	23.8251	22.9668	26	13.0987	10.7229													
3611	8*	24.5107	23.2216	14	13.7999	10.9464													
3612	20	16.3566	23.4225	25	5.6591	11.5159													
3613	18	17.5431	24.8937	24	6.9129	12.9335													
3614	22	23.2798	25.4871	27	12.6672	13.2660													
				42§	2.5280	7.7824	68	554	9.5										
R.A. 9 <sup>h</sup> 10 <sup>m</sup> to 9 <sup>h</sup> 20 <sup>m</sup>																			
Centre		R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre		R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 767. 1893, Feb. 8.					Plate 1789. 1894, Feb. 12.					Plate 767. 1893, Feb. 8.		Plate 1789. 1894, Feb. 12.							
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
3615	6*	8.1050	14.0051	4*	19.4427	1.9836	°	m.	3667	15	17.3223	20.4141	19	6.3706	8.4866				
3616	8	11.5241	14.8743	8*	22.8326	2.9712													
3617	20§	6.8661	15.9875	26	18.1353	3.9154	68	565	9.5										

No. 3650, 3651. It is doubtful which of these stars should be identified with  
B. D. 68° 574.

1 réseau interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .



## ZONE + 68°.

R.A. 9 <sup>h</sup> 20 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°						
Plate 767. 1893, Feb. 8.				Plate 1919. 1894, March 31.				Plate 834. 1893, March 11.				Plate 1919. 1894, March 31.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.			
3667	4*	18.8349	20.4368	6*	7.8827	8.4435	°	m.	3717	10	13.4224	23.2856	18	24.3098	11.4600	°	m.	
3668	20	19.1524	20.9803	24	8.2229	8.9765			3718	22	5.8812	24.4729	29§	16.7253	12.3453			
3669	22§	14.2193	21.5130	26	3.3167	9.7251	68	570	3719				4	17.5891	12.0685			
3670	9	16.2888	21.7004	11	5.3968	9.8214			3720	6*	7.4956	24.5001	9	18.3344	12.4389			
3671	24§	14.0008	22.1197	43§	3.1251	10.3403	68	569	3721	19	8.2579	24.1162	28	19.1173	12.0846			
3672	6*	15.6734	22.2109	6	4.8039	10.3589			3722	7	11.5640	23.9825	11	22.4258	12.0848			
3673	11	16.2249	22.4853	10	5.3627	10.6086			3723	8	12.1322	24.6550	18	22.9670	12.7767			
3674	7*	20.9397	22.0178	7	10.0582	9.9299			3724	3*	13.8456	24.4401	5*	24.6836	12.6309			
3675	5*	21.7902	22.2610	10	10.9160	10.1355			3725				7	14.3111	13.6791			
3676	32	23.4848	22.5326	25§	12.6201	10.3349	68	575	3726	80§	5.4360	25.9256	82§	16.2256	13.7799	69	528	
3677	4	14.8273	23.8380	6	4.0273	12.0200			3727	31§	13.1260	25.3043	48§	23.9346	13.4659	69	535	
3678	22	20.7304	23.8251	22§	9.9257	11.7456			3728	3*	13.9035	25.2994	5	24.7102	13.4930		9.2	
3679	5	21.6006	23.5356	10	10.7807	11.4190												
3680	19	21.2696	24.0540	19	10.4734	11.9537			R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup>									
3681	40§	23.5186	24.9698	37§	12.7608	12.7660	69	525	Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					
3682	5*	22.3076	25.3903	8	11.5673	13.2423			Plate 834. 1893, March 11.				Plate 4807. 1900, Jan. 27.					
	50§	25.4688	19.7439	102§	5.7592	1.7622	68	572										
							68	577										
R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup>																		
Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°														
Plate 834. 1893, March 11.				Plate 1919. 1894, March 31.														
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
3683	11	12.2541	13.9885	11*	23.5115	2.1233	°	m.	3729	4	18.9095	14.0005	4*	7.6687	2.1262	°	m.	
3684	4	4.9446	14.2633	5*	16.1912	2.1054			3730				4	12.9102	2.4073			
3685	10	5.7438	14.1755	12	17.0053	2.0490			3731	20	18.1639	15.3478	23§	6.9767	3.5003	68	580	
3686	12	5.8538	14.0727	14	17.1116	1.9530			3732	7*	19.1932	15.5765	4	8.0170	3.6881		9.5	
3687	11	6.4019	14.4736	15	17.6421	2.3741			3733	8*	15.8817	16.5726	7	4.7483	4.8173			
3688	10	8.7774	14.9088	11	20.0000	2.9039			3734				4	12.1832	4.7279			
3689	5	13.2087	14.3907						3735	27	24.2578	16.9750	25§	13.1327	4.8742	68	582	
3690	8*	2.8922	15.5804	9	14.0908	3.3417			3736	8	14.2161	17.0185	8	3.1052	5.3344		8.8	
3691	22§	8.7574	15.2571	36	19.9650	3.2515			3737	11	24.7244	17.4880	16	13.6192	5.3641			
3692	4*	2.8856	16.3404	8	14.0533	4.1014			3738	6†	14.7330	17.7988	7	3.6522	6.0904			
3693	4*	5.0540	16.8695	6	16.2023	4.7159			3739	10	15.4075	18.5811	9	4.3592	6.8441			
3694	24	7.0654	16.1974	28	18.2371	4.1233	68	578	3740	12	15.5721	18.1821	13	4.5073	6.4387			
3695	3*	7.4032	16.4097	6*	18.5684	4.3523			3741	6†	18.9577	18.2117	8	7.8893	6.3294			
3696	15	8.7794	16.3640	22	19.9445	4.3599			3742	13	20.2779	18.7302	13	9.2295	6.7925			
3697	5†	10.3766	16.4763	4*	21.5340	4.5339			3743	14	21.5483	18.9415	13	10.5078	6.9498			
3698	12	12.9770	16.2504	16	24.1452	4.4118			3744	11	14.8799	19.5414	10	3.8701	7.8268			
3699	13	10.0957	17.5011	25	21.2151	5.5480			3745	4*	17.7940	19.5461	4†	6.7809	7.7100			
3700	13	6.4256	18.8654	20	17.4929	6.7641			3746	13	21.4202	19.2784	14	10.3899	7.2918			
3701	47§	3.4415	19.6762	50§	14.4765	7.4567	68	577	3747				4	13.3097	7.2454			
3702	6*	3.6894	19.0319	12	14.7495	6.8252			3748	11*	14.6269	20.0387	13	3.6396	8.3329			
3703	11	11.3215	20.0709	20	22.3384	8.1653			3749	4*	17.1675	20.6983	4	6.2041	8.8858			
3704	15	3.1182	21.1484	21	14.0992	8.9149			3750				4	13.2980	8.4476			
3705	5*	3.4088	21.6645	10	14.3679	9.4385			3751	36§	20.0215	21.6564	34§	9.0955	9.7260	68	581	
3706	24	3.5161	21.6842	28	14.4735	9.4653	68	576	3752	9	14.8653	21.9820	11	3.9573	10.2655		9.0	
3707	3*	6.1753	21.3428	6	17.1434	9.1907			3753	16	16.5103	21.8333	18	5.5976	10.0515			
3708	10	6.1796	21.6600	19	17.1357	9.5492			3754	6†	16.8433	22.7799	6	5.9636	10.9815			
3709	9	4.1037	22.7413	16	15.0178	10.5432			3755	4*	21.0668	22.3450	5	10.1656	10.3711			
3710	3*	5.5081	22.9919	4	16.4131	10.8525			3756				4	13.4510	10.7032			
3711				6	16.2602	11.6174			3757				4	6.3967	11.7747			
3712				6	16.4806	11.9668			3758	9	19.7663	23.7773	11	8.9280	11.8570			
3713	22	9.9233	23.5859	26§	20.8011	11.6206			3759	5*	15.9577	25.3321	7	5.1916	13.7671			
3714	2*	11.7698	23.0678	5	22.6641	11.1784			3760	9	17.0383	24.9742	14	6.2502	13.1656			
3715	7*	12.0096	23.2944	12	22.9000	11.4132			3761	27§	17.2999	24.9788	24§	6.5110	13.1576	69	538	
3716	14	13.0048	23.6210	26	23.8807	11.7784			3762	6*	21.2877	25.2446	8	10.5092	13.3589		9.5	
									3763	68§	24.0325	25.6016	45§	13.2606	13.5022	69	545	
									3764				7	13.3465	13.8733		8.0	
									3765				4	13.6462	13.6332			
													35§	2.3576	13.6554	69	535	
																	9.2	

Plate 1919. B. D. 68° 572. The 3<sup>min</sup> image of this star partly overlaps the 6<sup>min</sup> image of another (see Zone + 67°. Nos. 3295, 3296.)

1 réseau interval represents very nearly 5' = 53".4 at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 9 <sup>h</sup> 50 <sup>m</sup> to 10 <sup>h</sup> 0 <sup>m</sup>								R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 769. 1893, Feb. 8.				Plate 4807. 1900, Jan. 27.				Plate 769. 1893, Feb. 8.				Plate 2477. 1895, March 22.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D.



## ZONE + 68°.

R.A. 10 <sup>h</sup> 10 <sup>m</sup> to 10 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 3061. 1896, Apr. 8.				Plate 2477. 1895, March 22.				Plate 836. 1893, March 11.				Plate 2469. 1895, March 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
3868	12	6.2183	24.8436	7	17.0008	12.6939	° m.	3917	16	4.0940	14.4390	13	15.3642	2.1550	° m.
3869	9	8.6664	24.2247	6	19.4719	12.1717		3918	10	5.3203	14.8783	5*	16.5754	2.6279	
								3919	14	6.5529	14.0968	6*	17.8293	1.8776	
								3920	18	8.0000	14.9640	15	19.2509	2.7867	68 615 9.5
	38	1.5232	26.2865	25	15.0510	1.5593	68 597 9.1	3921	7	12.6919	14.0673				
							69 565 9.0	3922	31§	3.4642	16.5474	24§	14.6745	4.2481	68 613 8.9
R.A. 10 <sup>h</sup> 20 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup>								3923	9	3.4849	16.9002	4	14.6869	4.6012	
Centre R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				3924	4	3.6331	16.7592	2*	14.8385	4.4661	
Plate 3061. 1896, Apr. 8.				Plate 2469. 1895, March 21.				3925	8	12.0903	16.9773				
3870	4	14.8548	14.3358				° m.	3926	11†	11.1775	19.7425	5*	22.3020	7.6461	
3871	4	15.0715	14.1659					3927	24§	5.4698	20.0561	16	16.5874	7.8073	68 614 9.5
3872	16	17.4984	14.6528	18	6.2488	2.6525	68 608 9.5	3928	11	10.0776	20.7852	6	21.1749	8.6594	
3873	8	19.6437	14.6117	4*	8.3905	2.5183		3929	25§	12.6210	20.8173	24	23.7176	8.7598	
3874	5	21.3410	14.3394					3930	8	6.4697	21.6134	5*	17.5465	9.3905	
3875	34§	21.9294	14.5581	51§	10.6680	2.3666	68 611 8.0	3931	5	7.9035	21.2343	3*	18.9905	9.0516	
3876	4	17.0883	15.5428					3932	16	3.9227	22.9798	10	14.9642	10.6900	
3877	13	17.2639	15.2073	12	6.0360	3.2156		3933	10	5.8073	22.4506	6	16.8616	10.2100	
3878	7*	22.3766	15.4046	4*	11.1525	3.1922		3934	19	9.0403	22.0310	13	20.1064	9.8780	
3879	4	22.7702	15.8652					3935	4*	10.3849	22.8303	2*	21.4285	10.7140	
3880	29§	23.1597	15.1987	33§	11.9265	2.9541	68 612 9.0	3936	20	11.2718	22.7648	16	22.3171	10.6713	68 616 9.4
3881	6	18.8285	16.4956	3*	7.6526	4.4360		3937	6	13.6136	22.8914				
3882	13	24.6095	16.0080	9	13.4102	3.7021		3938	7	7.2145	23.9592	5	18.2303	11.7570	
3883	7	16.0118	17.6339	3*	4.8864	5.6929		3939	11	7.6869	23.5571	8	18.7104	11.3673	
3884	5	17.6278	17.9371					3940	14	8.8714	23.2855	9	19.9035	11.1276	
3885	4	18.0015	17.4770	3*	6.8688	5.4525		3941	26	11.6315	23.7554	18	22.6487	11.6709	69 588 9.4
3886	9	18.2169	17.4251	8	7.0822	5.3910		3942	5*	4.4574	24.0420	3*	15.4698	11.7651	
3887	4	18.4598	17.3620					3943	19	4.6938	24.0738	13	15.7036	11.8015	
3888	6	19.3692	17.6759	4*	8.2442	5.5912		3944	11	10.6123	24.2348	7	21.6188	12.1229	
3889	6	17.2793	18.2623	4*	6.1798	6.2661		3945	6*	5.9038	25.1250	4	16.8855	12.8841	
3890	18§	18.7386	18.6285	17	7.6522	6.5707		3946	99§	8.1434	25.6964	68§	19.1110	13.5182	69 583 5.5
3891	10	19.5341	18.6496	10	8.4498	6.5564						66§	23.2177	1.2527	68 617 6.2
3892	23§	20.8143	18.9573	27§	9.7416	6.8117	68 610 8.7					55	26.1733	3.5091	68 618 8.8
3893	4	21.6126	18.7590	3*	10.5326	6.5798		53§	0.6820	15.3300					
3894	5	16.4702	19.1057	3*	5.4105	7.1439		R.A. 10 <sup>h</sup> 40 <sup>m</sup> to 10 <sup>h</sup> 50 <sup>m</sup>							
3895	8	17.4326	19.3732	6	6.3819	7.3684		Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
3896	10	21.4722	19.1936	6†	10.4096	7.0158		Plate 836. 1893, March 11.				Plate 1998. 1894, Apr. 22.			
3897	9	15.6364	20.1521	7	4.6218	8.2233		3947	34§	15.3298	14.4755	40§	4.0697	2.4294	68° 619 9.4
3898	6	18.2893	20.0330	3*	7.2660	7.9903		3948	6	22.6390	14.5280	6	11.3718	2.0873	
3899	7	18.9187	20.3032	4*	7.9076	8.2357		3949	8	23.3805	14.0177	12	12.0840	1.5370	
3900	7	19.6970	20.2083	5	8.6798	8.1095		3950	8*	25.2177	14.8246	12	13.9593	2.2408	
3901	7	19.7065	20.2054	5	8.6904	8.1055		3951	50§	14.9325	15.5051	55§	3.7270	3.4770	68 618 8.8
3902	8	20.1745	20.1846	3	9.1564	8.0633		3952	24	19.4758	15.7461	25§	8.2777	3.4728	68 620 9.5
3903	5	20.9296	20.9850	3*	9.9443	8.8307		3953	16	14.4715	16.5077	21	3.3231	4.5066	
3904	32§	19.3204	21.8587	37§	8.3730	9.7728	68 609 8.8	3954	5*	15.8354	16.8353	6*	4.7067	4.7585	
3905	8	15.4060	22.9828	4*	4.5125	11.0628		3955	17	19.7398	16.0177	19	8.5558	3.7311	
3906	20§	18.9403	22.8719	19	8.0380	10.8025		3956	18	20.9850	16.3010	19	9.8160	3.9458	
3907	8	17.5004	23.0970	6	6.6085	11.0863		3957	3*	23.9228	16.5856	7	12.7614	4.0698	
3908	7	16.7020	24.3196	3*	5.8644	12.3472		3958	33§	22.8192	18.6863	28§	11.7738	6.2277	
3909	14	17.1906	24.3124	12	6.3492	12.3138		3959	8	15.4100	19.3440	10	4.4124	7.2869	
3910	20§	18.2353	24.3917	20§	7.3987	12.3478		3960	4*	15.9835	19.9751	5	5.0183	7.8873	
3911	33§	18.3992	24.0450	35§	7.5463	11.9985	69 574 7.9	3961	5*	18.3367	19.2020	6	7.3260	6.9888	
3912	5*	23.9310	24.3936	4	13.0876	12.1072		3962	4*	20.4437	19.2255	8	9.4335	6.8952	
3913	21	17.3063	25.2205	20	6.5067	13.2187	69 573 9.2	3963	40§	23.3068	19.8974	36§	12.3284	7.4112	68 622 9.1
3914	26	22.3705	25.2066	22§	11.5617	12.9880	69 578 9.5	3964	6*	18.6689	20.1643	7	7.7135	7.9270	
3915				3	13.2929	13.8342		3965	21	20.2443	20.4006	20	9.2962	8.0830	
3916	6*	24.2448	25.5469	6	13.4498	13.2469									
	25§	25.8500	16.6087	65§	1.7204	4.4567	68 605 7.2								
							68 613 8.9								

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

ZONE + 68°.

R.A. 10 <sup>h</sup> 40 <sup>m</sup> to 10 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 50 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 836. 1893, March 11.				Plate 1998. 1894, Apr. 22.				Plate 771. 1893, Feb. 8.				Plate 1998. 1894, Apr. 22.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.							Mag.	No.							Mag.
3966	5*	14.3731	21.4501	6	3.4953	9.4491	°	4019	16	6.4421	22.2484	14	17.3251	10.1703	°
3967	8*	16.0110	21.6638	7	5.1395	9.5722		4020	5*	6.4958	22.8773	7	17.3516	10.7997	
3968	7	17.8691	22.1642	7	7.0215	9.9690		4021	12	11.1411	22.5719	10	22.0063	10.6824	
3969				4	9.2145	9.9168		4022	8*	3.5306	23.5819	11	14.3576	11.3887	
3970	17	20.4300	21.8210	20	9.5607	9.4876		4023	42§	5.8075	23.7771	40§	16.6282	11.6720	69 593 9.2
3971				4	11.6781	9.2223		4024	18	7.0665	23.8749	18	17.8828	11.8218	
3972	21§	14.5205	22.2554	22§	3.6843	10.2426		4025	9	13.5872	23.6800	11	24.4082	11.8894	
3973				5	4.2706	10.5752		4026	40§	8.2610	24.2834	31§	19.0572	12.2771	69 595 9.1
3974	4*	17.4268	22.8871	6	6.6212	10.7135		4027	25§	8.3831	24.3994	23§	19.1749	12.3972	
3975	5	19.2895	23.2094	7	8.5007	10.9382		4028	5	12.0496	24.4511	5*	22.8382	12.5958	
3976	43§	22.1365	22.6454	36§	11.3085	10.2170	68 621 9.4	4029	6*	13.8361	24.6613	7*	24.6177	12.8765	
3977	6*	23.6073	23.0882	9	12.7999	10.5826		4030				8	15.0893	13.2867	
3978	19	16.8437	23.2707	19	6.0585	11.1302		4031	6†	4.9013	25.2928	9	15.6594	13.1523	
3979	7*	21.5018	23.6898	8	10.7319	11.2960		4032	5*	6.5715	25.4358	7	17.3234	13.3620	
3980	25	15.4235	25.0308	22	4.7345	12.9650		4033				5	17.4334	13.0333	
3981				3	9.3025	12.2325		4034	8	7.4840	25.1987	9	18.2440	13.1631	
3982				6	13.4657	12.1878		4035	5*	8.3044	25.7099	8	19.0445	13.7053	
3983	20	15.9085	25.7931	21	5.2586	13.7022		4036	10	8.7202	25.4507	13	19.4711	13.4626	
3984				5	8.3898	13.0730		4037				3	20.2841	13.6018	
								4038	5*	11.1586	25.4411	6	21.9067	13.5498	
R.A. 10 <sup>h</sup> 50 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup>								R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 10 <sup>m</sup>							
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 771. 1893, Feb. 8.				Plate 1998. 1894, Apr. 22.				Plate 771. 1893, Feb. 8.				Plate 2000. 1894, Apr. 22.			
3985	24§	2.7872	14.0533	25§	14.0010	1.8339	°					59§	21.2800	1.1722	68 627 9.0
3986	4*	5.9996	14.5754	4*	17.1881	2.5879						51§	26.2976	13.1143	69 600 8.2
3987	8	8.9519	14.5259	6*	20.1414	2.5564		48§	1.3403	19.6922					68 622 9.1
3988	11	10.4361	14.9369	9*	21.6071	3.0242									
3989	6	12.9938	14.1468												
3990	42§	5.1648	15.5893	42§	16.3154	3.4649	68 624 8.3								
3991				4†	18.1498	3.9237		4039	37§	18.3278	14.6252	49§	7.0422	2.7149	68° 633 9.3
3992	10	10.1487	15.7578	11	21.2895	3.8333		4040	41§	24.0185	14.7596	48§	12.7348	2.6156	68 637 9.4
3993	40§	10.6608	15.2636	58§	21.8214	3.3566	68 628 9.2	4041	12	17.3068	15.4914	10	6.0590	3.6221	
3994	32§	13.2250	15.1626	51§	24.3874	3.3601	68 630 9.3	4042	9	21.9702	15.5396	8	10.7198	3.4816	
3995	7	3.4265	16.2872	7	14.5485	4.0930		4043	24§	23.1706	15.0393	29§	11.8995	2.9309	68 636 9.4
3996	40§	8.9813	16.4163	43§	20.0960	4.4444	68 626 9.0	4044	32§	25.1406	15.1786	41§	13.8739	2.9883	68 638 9.2
3997	19	10.2740	16.4078	23	21.3884	4.4874		4045	5	18.7039	17.8553	4*	7.5524	5.9268	
3998	4*	10.3556	16.1981	4	21.4775	4.2844		4046	7	21.8371	17.6988	9	10.6774	5.6437	
3999	8	4.3838	17.4294	10	15.4596	5.2715		4047	12	20.1636	18.8247		9.0478	6.8381	
4000	5	5.1181	17.0745	5*	16.2101	4.9471		4048	43§	20.4339	18.9154	48§	9.3233	6.9177	68 634 8.5
4001	6†	5.5685	17.2963	6	16.6512	5.1891		4049	9	18.5044	19.6054	9	7.4236	7.6848	
4002	8	8.5697	17.1035	8	19.6565	5.1156		4050	4*	21.8081	19.8986	4	10.7382	7.8435	
4003	4	10.5457	17.4825	5*	21.6170	5.5752		4051				7	13.8698	7.5451	
4004	19	3.9259	18.9329	15§	14.9398	6.7553		4052	8	14.5188	20.8765	6	3.4939	9.1219	
4005	12	5.3349	18.5586	12	16.3643	6.4397		4053	21§	21.2158	20.1869	19§	10.1579	8.1548	
4006	5	9.3750	18.7995	5	20.3945	6.8400		4054	6	14.3284	21.2217	4†	3.3177	9.4744	
4007	8	9.5064	18.8572	8	20.5218	6.9043		4055	4*	15.0559	21.4497	3	4.0562	9.6699	
4008	23§	9.6916	18.2606	25§	20.7322	6.3160		4056	15	15.4069	21.4911	15	4.4083	9.6987	
4009	3*	3.1262	19.6405	4	14.1141	7.4246		4057	11	19.6405	21.7172	11	8.6465	9.7484	
4010	20§	7.8675	19.5758	22§	18.8576	7.5565		4058	35§	14.8473	22.8489	41§	3.9037	11.0751	68 631 9.5
4011	7*	4.1187	20.2980	8	15.0807	8.1292		4059	8	20.0728	22.9342	9	9.1280	10.9474	
4012	4	7.1442	20.0631	5	18.1142	8.0163		4060	4*	23.4478	22.6524	5	12.4868	10.5269	
4013	20§	7.4531	20.4636	20§	18.4065	8.4274		4061	3*	17.8509	23.4870	4†	6.9300	11.5904	
4014	7*	10.9420	20.7506	6	21.8822	8.8563		4062	5	18.1989	23.9167	7	7.2960	12.0070	
4015	31§	11.3793	20.2905	38§	22.3380	8.4120	68 629 9.5	4063	11	18.7638	23.6775	12	7.8505	11.7432	
4016	4†	12.4824	20.6137	4*	23.4290	8.7799		4064	104§	20.3107	23.7863	109§	9.3981	11.7868	69 602 6.2
4017	25§	6.2833	21.4919	24§	17.1965	9.4054	68 625 9.5	4065	43§	15.5258	24.8275	42§	4.6623	13.0278	69 600 8.2
4018	11	8.7724	21.9048	12	19.6685	9.9228		4066	9	18.4819	24.9072	12	7.6214	12.9848	
								4067				5	12.9538	12.4846	

1 réseau interval represents very nearly 5' = 53.4 of R.A. at Dec. + 68°, and 55.8 at Dec. + 69°.



ZONE + 68°.

R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 771. 1893, Feb. 8.				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2000. 1894, April 22.				Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.
4068	10	16.2549	25.3602	13	5.4122	13.5304	° m.	4108							° m.
4069	12	16.2786	25.3701	15	5.4365	13.5420		4109	18	20.7630	15.1119	4	8.1112	3.4199	
4070	18	16.2852	25.2395	19	5.4377	13.4098		4110	5†	23.1139	15.2346	8	9.3542	3.0591	
4071	8	16.9755	25.6125	12	6.1420	13.7509		4111	53§	23.4708	15.8186	52§	12.0888	3.6526	68 650 8.7
4072				6	9.9910	13.1864		4112	6	15.4303	16.6987	7	4.0953	4.8636	
4073				9	12.2375	13.6842		4113	10	16.2021	16.5657	12	4.8569	4.7021	
4074	31	23.7968	26.0583	35§	12.9763	13.9157		4114	26§	21.6494	16.9415	31§	10.3165	4.8514	68 648 8.9
								4115	6*	14.6572	16.9286	7	3.3304	5.1336	
								4116	5*	21.7413	17.3283	6*	10.4241	5.2325	
	69§	26.5974	19.3858	43§	1.9642	3.4605	68 630 9.3	4117	9	19.9152	18.2230	14	8.6350	6.2034	
	46§	19.4251	26.1999				68 639 8.3	4118	11	20.2117	18.3602	17	8.9370	6.3277	
							69 601 9.2	4119	4*	17.0092	19.8345	5	5.7996	7.9347	
R.A. 11 <sup>h</sup> 10 <sup>m</sup> to 11 <sup>h</sup> 20 <sup>m</sup>								R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.				R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2000. 1894, April 22.				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			
4075	4	6.7613	14.6764	6	17.7630	2.6434	° m.	4120	8	17.9387	18.9793	13	6.6946	7.0405	
4076	6	8.8720	14.7349	5	19.8690	2.7870		4121	9	19.1157	19.5422	11	7.8907	7.5548	
4077	27§	11.9190	14.4704	60§	22.9273	2.6418	68 641 9.4	4122	21§	19.5343	19.9094	25§	8.3254	7.9036	68 646 9.3
4078	6	6.7008	15.4515	7	17.6725	3.4135		4123	32§	23.4263	19.5468	26§	12.1996	7.3790	68 651 9.5
4079	6	8.3846	15.7659	7	19.3429	3.7977		4124	7*	14.7565	20.0417	8	3.5604	8.2360	
4080	6	10.6386	15.4172	5†	21.6056	3.5398		4125	29§	15.5850	20.5617	30§	4.4083	8.7188	68 643 9.3
4081	16	13.0615	16.6559	22	23.9780	4.8754		4126	21	21.4375	20.3457	22§	10.2462	8.2613	
4082	3	8.3780	17.2928	6	19.2744	5.3187		4127	6†	23.6226	20.7589	7	12.4427	8.5869	
4083	13	12.5469	17.4119	22	23.4333	5.6085		4128	7	17.3756	20.9486	9	6.2139	9.0340	
4084	4	12.3843	17.4164	5*	23.2756	5.6053		4129	6	20.9184	21.9805	10	9.7956	9.9168	
4085	9	8.6659	18.7946	18	19.5020	6.8351		4130	40§	22.2354	21.2669	41§	11.0805	9.1480	68 649 9.5
4086	4	12.4315	18.6853	6	23.2672	6.8740		4131	10	16.3944	21.9397	14	5.2715	10.0653	
4087	51§	4.6827	19.2544	64§	15.5007	7.1305	68 639 8.3	4132	20§	17.1509	22.0692	20§	6.0325	10.1612	
4088	3*	4.8059	19.8505	7	15.5991	7.7318		4133	55§	18.7254	22.1270	55§	7.6107	10.1519	68 645 8.2
4089	3*	3.4158	20.9125	9	14.1701	8.7388		4134	5	15.2373	23.7975	7	4.1947	11.9674	
4090				8	14.7809	8.1234		4135				5	11.0984	11.7361	
4091				4	17.4766	8.2285		4136				4	11.1284	11.6928	
4092	7	12.0543	20.4614	16	22.8215	8.6355		4137	40§	22.8396	23.6958	33§	11.7852	11.5487	69 616 9.4
4093	12	5.5895	21.7816	18	16.3054	9.6946		4138	7*	15.7111	24.7341	8	4.7044	12.8857	
4094	13	11.1605	21.0203	22	21.9038	9.1594		4139	6*	22.7906	24.4551	11	11.7681	12.3122	
4095	6	13.3438	21.1800	6*	24.0819	9.4067		4140				9	13.1493	12.3212	
4096	4*	3.7656	22.1746	9	14.4654	10.0135		4141	55§	15.9760	25.6941	51§	5.0098	13.8324	69 608 8.2
4097	34§	12.4823	21.9838	51§	23.1851	10.1730	68 642 8.8	4142	3	18.2238	25.1747	7	7.2361	13.2232	
4098	22	3.5050	23.9265	25§	14.1340	11.7529						46§	1.3656	10.2693	68 642 8.8
4099	3	9.7356	23.3154	9	20.3843	11.3953		R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup>							
4100	6*	5.1433	24.8751	16	15.7322	12.7688		Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			
4101				5	16.0253	12.7479		4143	28§	9.3455	14.1142	43§	20.5152	2.1651	68 657 9.4
4102	25	3.7958	25.8426	26§	14.3463	13.6813		4144	8	13.1816	14.6607				
4103				12	14.9077	13.2347		4145	10	13.4704	14.9222	7*	24.6028	3.1398	
								4146	4	5.7436	15.3708	3*	16.8637	3.2845	
								4147	14	6.1021	15.4947	15	17.2209	3.3169	
								4148	6	6.4338	15.2918	5*	17.5608	3.2293	
								4149	52§	8.3154	15.7954	60§	19.4208	3.8050	68 656 8.0
								4150	5	11.3358	15.8233				
								4151	42§	11.8209	15.5968	58§	22.9318	3.7435	68 660 8.7
								4152	6	9.0903	16.7715	6*	20.1541	4.8145	
								4153	3	9.3823	16.9017				
								4154	21§	10.8419	16.1896	29	21.9320	4.2988	
								4155	4	11.1457	16.9047	4*	22.2032	5.0288	
								4156	4	11.5790	16.8085				
								4157	5*	5.9509	17.6581	4*	16.9862	5.5808	
								4158	5	6.2366	17.8830	4	17.2610	5.8081	
R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup>								R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 918. 1893, March 25.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			
4104	58§	17.8330	14.0638	52§	6.3814	2.1329	68° 644 7.3	4143	28§	9.3455	14.1142	43§	20.5152	2.1651	68 657 9.4
4105	12	22.4471	14.8793	13	11.0270	2.7567		4144	8	13.1816	14.6607				
4106	20	23.7002	14.6805	21	12.2708	2.5025		4145	10	13.4704	14.9222	7*	24.6028	3.1398	
4107	11	14.9047	15.4846	13	3.5148	3.6719		4146	4	5.7436	15.3708	3*	16.8637	3.2845	

1 réseau interval represents very nearly  $5' = 53^s.4$  of R.A. at Dec. +  $68^\circ$ , and  $55^s.8$  at Dec. +  $69^\circ$ .

## ZONE + 68°.

R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
4159	29§	10°7477	17°1260	42§	21°7963	5°2332	68° 659	8.8	4208	4	19°6526	15°3247	4†	8°5233	3°3851	°	m.
4160	14	2°9910	18°0873	11	14°0078	5°8862			4209	6	23°8049	15°8236	8	12°6925	3°7150		
4161	12	4°9134	18°1361	12	15°9264	6°0118			4210	9	24°2117	15°9240	11	13°1010	3°8002		
4162	10	7°7891	18°0468	14	18°8057	6°0370			4211	11	16°1113	16°7385	13	5°0413	4°9433		
4163	8	9°6737	18°0233	10	20°6876	6°0858			4212	4†	18°7221	16°0574	4	7°6250	4°1556		
4164	3	12°9500	18°2629						4213	15§	18°8684	16°2564	24§	7°7754	4°3465		
4165	4	7°0013	19°8322						4214	5	19°4135	16°4665	6	8°3304	4°5352		
4166	7	9°2426	19°2371	7	20°2114	7°2830			4215				6	8°4025	4°4311		
4167	16§	9°7909	19°7449	19§	20°7366	7°8107			4216	9	21°0300	16°9282	10	9°9638	4°9320		
4168	14	10°2417	19°5909	13	21°1943	7°6768			4217	12	22°0630	16°7338	16	10°9888	4°6949		
4169	10	5°0713	20°5957	6	15°9865	8°4764			4218	3	15°4906	17°4996	2*	4°4502	5°7256		
4170	16	5°2200	20°1749	11	16°1529	8°0591			4219	4*	22°1785	17°4224	4*	11°1305	5°3771		
4171	33§	7°3489	20°8318	39§	18°2528	8°7999	68 654	8.8	4220	10	22°4220	17°2243	14	11°3661	5°1699		
4172	4	7°3941	20°0465	3	18°3326	8°0195			4221				4†	13°8434	5°4751		
4173	6	9°8480	20°6168	5*	20°7597	8°6859			4222	4*	17°3478	18°3569	4	6°3438	6°5124		
4174	25§	3°4088	21°5383	23	14°2892	9°3498			4223	15	17°9130	18°6145	18	6°9163	6°7413		
4175	17	4°2274	21°4317	12	15°1141	9°2751			4224	5	19°8096	18°1578	6	8°7912	6°2103		
4176	5*	9°1389	21°4062	4*	20°0217	9°4471			4225	3*	20°1011	17°9764	3†	9°0798	6°0176		
4177	5	9°7068	21°7163	6	20°5757	9°7781			4226	40§	21°2331	18°9553	47§	10°2467	6°9510	68 664	8.4
4178	6	11°9057	21°6960	4*	22°7739	9°8452			4227	4*	22°5113	18°9554	6	11°5247	6°8986		
4179				3	14°6866	10°0065			4228	8	24°3212	18°2949	11	13°3084	6°1646		
4180	38§	5°9958	22°5875	42§	16°8319	10°4997	68 653	8.8	4229	8	16°9793	19°1800	8	6°0063	7°3451		
4181	19	7°9815	22°4006	19	18°8236	10°4846			4230	3*	17°9521	19°0064	5*	6°9737	7°1311		
4182	32§	10°5338	22°6614	40§	21°3641	10°7529	68 658	8.8	4231	4	18°9392	19°3930	6	7°9703	7°4761		
4183	5*	3°7122	23°7655	6	14°5044	11°5912			4232	15	22°7864	19°7862	15	11°8335	7°7172		
4184	32§	6°2528	23°0368	27§	17°0716	10°9593	69 617	9.3	4233	30§	23°2935	19°7791	31§	12°3398	7°6905	68 665	9.5
4185	14	6°7445	23°3596	17	17°5516	11°3040			4234	11	15°6206	19°9302	13	4°6806	8°1517		
4186	6	7°2217	23°9447	5	18°0045	11°9068			4235	15§	16°9207	20°5916	15	6°0065	8°7552		
4187	32§	8°1054	23°3046	27§	18°9126	11°3022	69 619	8.5	4236	32§	17°3361	20°3113	40§	6°4092	8°4625	68 661	9.1
4188	20	4°5865	24°4383	17	15°3515	12°2968			4237				5	6°6783	8°4051		
4189	19	8°1399	24°7974	18	18°8862	12°7965			4238	4*	18°3080	20°7248	4	7°3957	8°8348		
4190	5	11°7877	24°5806	4	22°5388	12°7231			4239	4	18°5497	19°9109	3	7°6081	8°0128		
4191	7	11°8197	24°0887	5	22°5910	12°2334			4240	4	19°2518	20°8267	3†	8°3421	8°9006		
4192	14	4°7630	25°0983	12	15°4980	12°9643			4241				3	12°4196	8°9458		
4193	5*	5°7186	25°2740	5	16°4499	13°1746			4242				5	13°9863	8°7951		
4194	4*	5°9579	25°8257	6	16°6645	13°7367			4243	4	16°6312	21°0753	4	5°7395	9°2560		
4195				4	17°7141	13°1464			4244	3*	17°9775	21°1669	4	7°0838	9°2924		
4196	15	8°3564	25°1245	14	19°0897	13°1326			4245	4†	14°8957	22°5976	5	4°0617	10°8450		
4197	16	9°0788	25°8129	19	19°7826	13°8487			4246	8	17°6117	22°1159	8	6°7582	10°2550		
4198	9	13°0850	25°5483	8	23°7989	13°7437			4247	4†	18°3884	22°1357	6	7°5313	10°2419		
									4248	17	18°5845	22°6959	20§	7°7505	10°7942		
	36§	1°2428	19°6503	39	18°8880	1°5731	68 655	9.0	4249	3*	19°5400	22°7564	4	8°7105	10°8167		
	37§	9°1116	26°0463				68 651	9.5	4250	4	20°4676	22°5660	7	9°6293	10°5895		
							69 621	9.0	4251				4	11°8754	10°5555		
R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup>								R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup>									
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2562. 1895, April 24.				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.					
4199	12	15°1074	14°7022	13	3°9590	2°9480	°	m.	4252	4*	22°8120	22°2915	6	11°9603	10°2167		
4200	4	16°0223	14°1464						4253				4	12°3392	10°3659		
4201	6	16°5371	14°1517	4*	5°3631	2°3426			4254				6	12°4200	10°3620		
4202	4	18°7824	14°7957						4255	5*	14°6226	23°7273	6	3°8355	11°9840		
4203	4	18°9500	14°1934	3*	7°7791	2°2856			4256	24	19°9025	23°6889	25§	9°1100	11°7343		
4204	15	20°2047	14°9388	20	9°0595	2°9798	68 663	9.5	4257				8	11°1899	11°3139		
4205	4	20°2351	14°5074	4*	9°0736	2°5471			4258	16	23°4193	23°7493	20§	12°6227	11°6533		
4206	4	21°5536	15°0010	4†	10°4101	2°9846			4259	8	14°2398	24°3300	9	3°4774	12°6022		
4207	3*	22°2455	14°1274	3*	11°0671	2°0941			4260	3*	14°9655	24°4769	4	4°2099	12°7223		
									4261	5†	15°9240	24°7856	6	5°1793	12°9890		
									4262	7	22°6209	24°2092	11§	11°8492	12°1450		
									4263	5*	22°9215	24°5388	9	12°1607	12°4598		
									4264				5	12°2569	12°6905		
									4265				4	12°6098	12°1196		
									4266	6*	14°0680	24°7797	10	3°3218	13°0592		



## Z O N E + 68°.

B. D.								B. D.										
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .				
								No.	Mag.					No.	Mag.			
R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 2562. 1895, April 24.				Plate 3956. 1898, April 16.				Plate 2591. 1895, May 4.				Plate 3956. 1898, April 16.						
4267	8	14°9825	25°1188	12	4°2502	13°3604	°	m	4320	3	12°7423	20°7577			°	m.		
4268	9	16°6039	25°6900	14	5°8934	13°8651			4321	17	4°3281	21°6275	13	15°3183	9°5325			
4269	11†	19°3251	25°4812	12	8°6017	13°5460			4322	10	7°6012	21°8590	9	18°5751	9°8953			
4270				3	10°8598	13°5845			4323	4	8°0135	21°3353	6	19°0100	9°3902			
4271	52§	21°8183	25°4290	43§	11°0915	13°3944	69	629	9°0	4324	13	8°3106	21°9272	15	19°2815	9°9940		
4272				4†	11°2173	13°9027			4325	20§	6°3211	22°6211	19§	17°2668	10°6053			
R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup>								R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup>										
Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						
Plate 2591. 1895, May 4.				Plate 3956. 1898, April 16.				Plate 2591. 1895, May 4.				Plate 3964. 1898, April 18.						
4273	5	6°6640	14°1315	2*	14°9261	3°1638	°	m.	4338	3	17°9362	14°2879			°	m.		
4274	4	3°6795	15°2785	5*	15°3024	3°3867			4339	6	20°0587	14°0549	4*	8°8982	2°1032			
4275	7	4°0646	15°4879	8	16°3138	3°6079			4340	7	20°0796	14°3764	6	8°9306	2°4240			
4276	9	5°0846	15°6701	12	18°4306	3°3466			4341	7	22°0328	14°1473	6	10°8725	2°1166			
4277	10	7°1872	15°3197	4*	20°1241	3°8229			4342	3	22°9160	14°6773	2*	11°7813	2°6092			
4278	6	8°8983	15°7270	22	22°3616	3°3811			4343	9	14°4765	15°8529	8	3°3968	4°1263			
4279	9	11°1063	15°2031	22	23°3490	4°1934			4344	3	14°6946	15°2408						
4280	14	11°1210	15°1922	4	14°4100	4°6335			4345	4	16°9123	15°0998						
4281	19	12°1352	15°9643	8	15°1388	4°3022			4346	3	16°9377	15°1913						
4282	5	3°2241	16°7682	7	15°1920	4°3150			4347	7	17°1451	15°1110	6†	6°0304	3°2751			
4283	8	3°9371	16°4091	13	15°5203	4°8565			4348	6	17°3146	15°3048						
4284	8	3°9928	16°4191	4*	16°7490	4°6672			4349	6	19°1733	15°1178	4*	8°0577	3°2027			
4285	11	4°3415	16°9496	19	17°2079	4°9053			4350	4	22°3641	15°0650						
4286	4	5°5626	16°7095	13	19°3109	4°7542			4351	31§	23°7902	15°4195	28§	12°6822	3°3153			
4287	17§	6°0305	16°9285	8	20°4996	4°9059			4352	5	14°0640	16°6814						
4288	14§	8°1251	16°6911	20	20°5814	4°2770			4353	26§	15°4160	16°5713	40§	4°3616	4°8041	68	673	9°1
4289	6	9°3172	16°7968	17	23°2539	5°1041			4354	3	16°1833	16°0233	2*	5°1072	4°2258			
4290	11	9°3746	16°1648	12	21°4845	5°2407			4355	2*	18°6154	16°7483	2*	7°5669	4°8545			
4291	12	12°0796	16°8796	10	22°9658	5°6654			4356	9	19°6959	16°7666	8	8°6456	4°8260			
4292	16	3°2607	17°9620	28§	23°9610	5°7254	68	668	9°4	4357	3	14°6628	17°5183	2*	3°6431	5°7777		
4293	25§	6°4052	17°8510	19§	15°6605	6°4476			4358	5	15°9007	17°5436	3*	4°8871	5°7561			
4294	5	8°0488	17°5542	65§	17°1836	6°4278			4359	25§	17°1206	17°3171	40§	6°0928	5°4798	68	674	9°3
4295	3	8°0985	17°7242	4*	18°7685	6°2298			4360	14§	19°6013	17°5590	15	8°5818	5°6229			
4296	17§	9°3542	17°1619	4	19°6435	6°4013			4361	15§	15°3983	18°0985	18	4°4046	6°3315			
4297	12	10°3147	17°0904	4	19°8250	6°4059			4362	4	16°3526	18°7195	3*	5°3829	6°9151			
4298	9	11°8114	17°4519	5	20°6993	6°9953			4363	6	17°5992	18°8182						
4299	21§	12°8089	17°4739	3	22°0440	6°8351			4364	3	17°7496	18°4906						
4300	19§	4°5464	18°5312	9	15°9990	7°8058			4365	17§	18°5734	18°6657	17	7°5998	6°7668			
4301	61§	6°0687	18°4507	7	16°0530	7°9455			4366	4	18°6810	18°6820	2*	7°7068	6°7826			
4302	5	7°6502	18°1879	9	20°5394	7°1851			4367	3†	19°4247	18°1397						
4303	6	8°5267	18°3229	6	21°1908	7°1992			4368	19	23°0652	18°1039	17	12°0623	6°0273			
4304	6	8°7061	18°3207	21§	21°5899	8°1269			4369	8	23°0852	18°4049	7	12°0988	6°3259			
4305	6	9°6028	18°8757	7	21°9312	7°9274			4370	9	23°5640	18°9313	8	12°5986	6°8350			
4306	4	10°9382	18°6593	4	14°7800	8°6549			4371	4	14°6723	19°0678						
4307	4	11°2336	18°2283	8	15°7762	8°8714			4372	23§	14°8429	19°2145	30§	3°8930	7°4685	68	672	9°4
4308	6	13°4368	18°1493	5	16°3254	8°0550												
4309	15§	4°9397	19°8776	3*	23°1982	8°5954												
4310	4	4°8728	19°9442															
4311																		
4312	9	9°4520	19°0708															
4313	7	10°1010	19°0582															
4314	17§	10°5381	19°9688															
4315	7	10°8699	19°7551															
4316	3*	3°7581	20°7691															
4317	8	4°7625	20°9493															
4318	5	5°2755	20°1113															
4319	5	12°1651	20°3690															

Nos. 4279 and 4280. These stars are measured as one mass on Plate 3956.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

ZONE + 68°.

R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup> —contd.							R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.									
Centre		R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		B. D.		Centre		R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 68°		R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°		B. D.		
Plate 2591. 1895, May 4.		Plate 3964. 1898, April 18.				No.	Mag.	Plate 2551. 1895, April 23.		Plate 3964. 1898, April 18.		No.	Mag.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
4373	15§	14°9743	19°9033	16	4°0517	8°1533	°	4425	14	9°2138	19°9546	19	20°2907	8°0568	°	
4374	19§	19°1116	19°2488	20§	8°1598	7°3297	m.	4426	3*	10°0597	19°5641	4*	21°1514	7°7005		
4375	10	19°4908	19°8863	8	8°5633	7°9522		4427	10	12°6614	19°4006	15	23°7588	7°6460		
4376	8	19°4980	19°6895	9	8°5649	7°7558		4428	9	6°0368	20°8542	14§	17°0810	8°8243		
4377	22§	20°8897	19°5978	20§	9°9502	7°6065		4429	4*	7°1135	20°7177	5†	18°1645	8°7326		
4378	8	14°3735	20°7787	7	3°4878	9°0483		4430	8	9°9235	20°9252	12	20°9603	9°0561		
4379	3	15°2963	20°1968					4431	12	11°6139	20°3725	14	22°6733	8°5747		
4380	4	17°4565	20°5907	4	6°5618	8°7357		4432	5*	7°2247	21°3630	6	18°2449	9°3838		
4381	23§	19°8835	20°1972	20§	8°9687	8°2463	68 675	4433	11	8°8679	21°6034	12	19°8788	9°6895		
4382	18§	15°9520	21°5939	18	5°0997	9°8007	9°5	4434	6	10°6063	21°2608	5	21°6295	9°4209		
4383	8	21°4255	21°1044	8	10°5498	9°0940		4435	4†	11°5770	21°6786	6	22°5814	9°8771		
4384	8	16°0490	22°2376	8	5°2215	10°4419		4436	31§	12°7804	21°4107	49§	23°7976	9°6592	68 683	
4385	7	18°4516	22°1865	5	7°6194	10°2926		4437	23§	8°2246	22°4195	21§	19°2003	10°4781	8°5	
4386	3*	22°5393	22°2164	3	11°7005	10°1595		4438	29§	12°0425	22°7208	36§	23°0068	10°9361	68 682	
4387	4	23°9630	22°2398	4	13°1303	10°1249		4439	6	12°4877	22°0959	6*	23°4738	10°3345	8°9	
4388	10	14°9130	23°4984	10	4°1370	11°7462		4440	9*	5°7682	24°4909	9	16°6604	12°4468		
4389	9	16°3852	23°7572	10	5°6193	11°9458		4441	24	7°2043	25°8028	22§	18°0403	13°8169		
4390	9	18°0763	23°4028	10	7°2906	11°5239		4442	6	8°9675	25°3703	9	19°8216	13°4598		
4391	4	19°0430	23°5094	3	8°2608	11°5906						63§	26°6194	7°4060	68 684	
4392	5*	19°6982	24°2081	4	8°9485	12°2638			51§	12°1327	26°8704			69 661	8°0	
4393	11	21°0382	24°7933	12	10°3084	12°7950										
4394	25§	21°6157	24°7122	21§	10°8814	12°6871	69 652									
4395	38§	23°3732	24°3335	25§	12°6225	12°2381	9°5									
4396	8	21°1659	25°1302	10	10°4496	13°1255										
4397	16	23°8041	25°6436	15	13°1047	13°5311										
4398	10*	24°4027	25°5883	9	13°7017	13°4538										
4399	8*	24°4149	25°6590	10	13°7194	13°5249										
	49§	23°9870	27°0038				69 654									9°3
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup>																
Centre		R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°		R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		B. D.		Centre		R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°		R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		B. D.		
Plate 2551. 1895, April 23.		Plate 3964. 1898, April 18.				No.	Mag.	Plate 2551. 1895, April 23.		Plate 4001. 1898, May 12.		No.	Mag.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
4400	13	5°6711	14°1347	10	16°9930	2°0960	°	4443	6	14°7092	14°4953				°	
4401	21§	8°9042	14°3966	36§	20°2121	2°4928	m.	4444	8	20°2453	14°9710					
4402	12	8°9165	14°4391	17*	20°2222	2°5356	68 680	4445	3	14°1619	15°3239					
4403	6†	9°6163	14°5254	3*	20°9173	2°6516	9°4	4446	8	15°9708	15°2148					
4404	4	10°5438	14°6246					4447	7	16°2985	16°5577					
4405	16§	11°0887	14°0118	21	22°4108	2°1975		4448	4	19°4647	16°3600					
4406	11	11°1787	14°8171	9*	22°4689	3°0041		4449	22§	20°5292	16°4886	20	9°3389	4°5851	68 686	
4407	5*	4°2636	15°9486	6*	15°5113	3°8516		4450	4	23°2067	17°4712				9°5	
4408	13	6°7686	15°9114	19	18°0158	3°9155		4451	18§	18°7652	18°8417	9	7°6758	7°0098		
4409	4*	8°4384	15°6641	3*	19°6917	3°7394		4452	9	22°8576	18°5941	4	11°7515	6°5864		
4410	10	9°4223	15°2502	9	20°6928	3°3656		4453	4	14°5919	19°5927					
4411	10	10°4477	15°9895	9†	21°6896	4°1472		4454	35§	15°5063	19°0433	31§	4°4299	7°3476	68 684	
4412	4	3°7662	16°0718	3*	15°0103	3°9506		4455	6	16°0313	19°0770				9°0	
4413	11	5°3308	16°8214	13	16°5406	4°7650		4456	3	18°2417	19°0629					
4414	5*	5°9952	16°0212	4*	17°2368	3°9976		4457	20§	20°3719	19°7356	14	9°3197	7°8349	68 685	
4415	7*	9°4952	16°0351	5*	20°7357	4°1556		4458	19	23°5647	19°1777	12	12°4839	7°1381	9°5	
4416	10	9°9169	16°3260	9	21°1458	4°4580		4459	3	16°2442	20°8047					
4417				4	15°4505	5°8078		4460	4	16°2847	20°6156					
4418	11	10°1721	17°7261	14	21°3404	5°8695		4461	8	16°7162	20°5027	3	5°7002	8°7545		
4419	9	10°5398	17°9563	15	21°6993	6°1162		4462	19§	17°5856	20°1925	14	6°5550	8°4076		
4420	6	13°1804	17°1549	5*	24°3715	5°4251		4463	5	21°3246	20°6664	3	10°3102	8°7248		
4421	16§	5°1722	18°8769	19§	16°2954	6°8144		4464	18	23°4655	20°3732	7	12°4376	8°3391		
4422	4*	6°1150	18°3874	6	17°2609	6°3643		4465	6	23°7814	20°4817	3	12°7535	8°4351		
4423	20§	6°8584	18°8685	25§	17°9805	6°8748	68 679	4466	4	17°5849	21°3742					
4424	13	7°4338	18°8364	16	18°5599	6°8662	9°5	4467	13	14°9593	22°5275	7	4°0310	10°8532		
								4468	10	18°6639	22°1690	5	7°7179	10°3389		
								4469	20	20°4709	22°6067	8	9°5398	10°7003		
								4470	19	20°7947	22°3244	6	9°8511	10°4042		
								4471	8	14°1127	23°8582	5	3°2405	12°2192		
								4472	8	17°3350	23°3457	4	6°4393	11°5695		
								4473	8†	23°1763	23°9030	4	12°2994	11°8778		
								4474	6*	23°5330	23°2967	4	12°6299	11°2564		

1 réseau interval represents very nearly  $5' = 53^s.4$  of R.A. at Dec.  $+ 68^\circ$ , and  $55^s.8$  at Dec.  $+ 69^\circ$ .



## ZONE + 68°.

R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2551. 1895, April 23.				Plate 4001. 1898, May 12.				Plate 920. 1893, March 25.				Plate 3087. 1896, April 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
4475	16	18°37'76	24°17'07	8	7°51'49	12°35'23	° m.	4514	9	22°68'08	15°33'06	16	11°32'76	3°21'45	° m.
4476	9	23°11'42	25°27'14	6	12°29'56	13°24'90		4515	5	14°85'08	15°87'61	7†	3°52'77	4°06'75	
								4516	5	15°14'58	15°82'80	5*	3°82'27	4°00'60	
				31§	1°80'50	9°82'73	68 683	4517	3*	18°02'70	16°91'60	4*	6°74'20	4°98'70	
				21	1°12'20	11°16'85	68 682	4518	27§	22°46'45	17°07'20	29§	11°18'07	4°96'20	68 699 9°5
	83§	22°11'24	26°85'39				69 666	4519	3	16°03'31	17°07'56	5	4°75'50	5°22'45	
								4520	7	17°39'85	17°18'77	10	6°12'46	5°27'81	
								4521	10	18°02'15	16°98'65	17	6°73'75	5°05'42	
								4522	4	19°27'65	17°88'28	7	8°02'97	5°89'81	
								4523	4*	21°10'79	17°56'65	6	9°84'26	5°51'10	
								4524	2*	22°31'43	17°00'06	5	11°05'69	5°59'80	
								4525	4*	16°43'32	18°62'03	5	5°21'86	6°74'95	
								4526	4*	22°66'42	18°16'94	6	11°42'27	6°05'00	
								4527				4	3°18'67	7°04'97	
								4528				4	10°06'68	7°46'10	
								4529	15	21°59'59	19°54'08	17	10°40'88	7°46'53	
								4530	4	16°29'34	19°95'13	6	5°12'93	8°08'21	
								4531	11	17°57'15	20°66'88	14	6°43'47	8°75'01	
								4532	23§	19°04'66	20°59'31	24§	7°90'55	8°61'55	68 697 9°5
								4533	32§	19°94'23	20°32'35	33§	8°78'78	8°31'15	68 698 9°4
								4534	18§	21°20'74	20°42'92	19§	10°05'53	8°36'73	
								4535	4*	21°97'55	20°40'21	6	10°82'02	8°30'90	
								4536				3	11°38'47	8°75'96	
								4537				5	5°24'39	9°18'87	
								4538	5	17°68'24	21°85'01	6	6°58'84	9°92'93	
								4539	3*	17°76'59	21°30'26	3	6°65'25	9°37'82	
								4540	3	19°11'45	21°60'10	5	8°01'13	9°62'22	
								4541	5	19°30'83	21°54'58	6	8°20'51	9°55'87	
								4542	3*	22°72'24	21°27'92	8	11°60'50	9°15'77	
								4543				3	13°35'25	9°00'00	
								4544	28§	15°77'60	22°05'25	35§	4°69'39	10°20'42	68 696 8°8
								4545				3	11°31'35	10°55'38	
								4546	9	15°08'35	22°95'28	16	4°03'43	11°13'27	
								4547	10	17°34'48	23°43'54	13	6°31'42	11°52'13	
								4548	3*	19°19'84	23°47'79	4	8°16'97	11°49'13	
								4549				5	9°13'78	11°42'62	
								4550	11	15°05'65	24°74'67	14	4°07'99	12°92'38	
								4551	5*	15°57'02	24°72'61	7	4°59'31	12°88'53	
								4552				3	7°27'70	12°62'67	
								4553	18	19°23'97	24°77'99	19§	8°26'42	12°79'30	
								4554	14	22°62'99	24°25'53	18	11°62'76	12°13'44	
								4555	4*	24°14'65	25°10'29	7	13°17'46	12°92'16	
								4556				7	4°49'80	13°71'39	
								4557	16	17°12'61	25°09'57	19§	6°16'21	13°19'11	
								4558				4	9°14'49	13°40'70	
								4559	4*	20°31'78	25°73'06	6	9°37'37	13°69'78	
								4560	26	21°36'16	25°88'42	21§	10°42'34	13°81'35	
								4561				6	11°21'96	13°39'14	
												50§	2°15'06	5°92'72	68 695 8°1
									36	25°72'44	23°94'22				69 676 9°0
R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 40 <sup>m</sup>								R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 920. 1893, March 25.				Plate 3087. 1896, April 21.				Plate 2592. 1895, May 4.				Plate 3087. 1896, April 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
4511	6	20°64'63	14°14'58	8	9°25'10	2°11'31	° m.	4562	4	3°07'66	14°39'56	4†	14°27'84	2°19'57	° m.
4512	17	21°56'55	14°26'04	22	10°17'28	2°18'98		4563	6	3°15'04	14°41'33	7	14°35'37	2°21'19	
4513	5	21°77'60	16°07'91	8	10°45'38	3°99'65		4564	13§	3°49'74	14°52'09	15	14°69'20	2°33'53	68 700 9°3

## ZONE + 68°.

R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2592. 1895, May 4.			R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.						Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2592. 1895, May 4.			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2564. 1895, April 24.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
4565	7	4°5939	14°8683	11	15°7759	2°7273			4616	12	19°0285	15°2430	9	7°8260	3°2475		
4566	4	8°5051	14°5869	5*	19°6941	2°6116			4617	4	18°0360	16°1053					
4567	358	5°8403	15°6848	438	16°9895	3°5935	68	702	4618	10	19°1347	16°6945	8	7°9920	4°6940		
4568	6	11°6694	15°1427	5*	22°8364	3°2955			4619	11	19°3987	16°8219	9	8°2611	4°8094		
4569	448	5°2542	17°0703	408	16°3439	4°9554	68	701	4620	4	14°4498	17°3428					
4570	5	8°1789	16°2597	6	19°2987	4°2672			4621	4*	16°5470	17°2906	3*	5°4307	5°3947		
4571	5	11°0554	16°7566	6†	22°1557	4°8845			4622	7	17°5694	17°2803	5	6°4516	5°3449		
4572	158	12°2945	16°5551	23	23°4008	4°7354			4623	7	19°0541	17°2677	5	7°9342	5°2684		
4573	7	12°5422	16°0866	6*	23°6654	4°2780			4624	8	24°6404	17°3324	9	13°5181	5°1048		
4574	7	3°4734	17°6501	7	14°5416	5°4609			4625	10	24°7714	18°0751	10	13°6782	5°8436		
4575	458	11°9953	17°4742	518	23°0645	5°6370	68	705	4626	4	15°6640	18°5793	3*	4°6011	6°7190		
4576	158	13°7712	17°3945	24	24°8412	5°6336	68	707	4627	7	15°9512	18°6588	7	4°8926	6°7858	68	712
4577	5	3°4329	18°7411	5	14°4543	6°5511			4628	5	18°2597	18°9170	3	7°2098	6°9490		9°5
4578	7	7°7484	18°6973	10	18°7691	6°6861			4629	5	19°7765	18°3084	5	8°6976	6°2782		
4579	268	9°4110	18°0320	298	20°4570	6°0879	68	704	4630				4	9°8898	6°1981		
4580	148	11°8412	18°7749	19	22°8573	6°9350			4631	308	22°4202	18°8123	218	11°3612	6°6749	68	715
4581	148	13°6400	18°2258	20	24°6769	6°4588			4632	17	23°5261	18°6273	14	12°4588	6°4454		9°5
4582				6	15°3965	7°3747			4633	228	15°4616	19°2055	218	4°4257	7°3525	68	711
4583	5†	4°8192	19°2008	6	15°8200	7°0641			4634	4	17°3805	19°1185	4*	6°3410	7°1860		
4584	4	8°1611	19°0723	4	19°1652	7°0780			4635	16	23°4308	20°0961	14	12°4230	7°9155		
4585	6	7°3995	20°5040	7	18°3468	8°4765			4636	7	16°6497	19°9202	6	5°6422	8°0193		
4586	4*	8°1882	20°6241	5	19°1285	8°6278			4637				4	10°8147	8°8549		
4587	5	9°6085	20°6058	5	20°5491	8°6698			4638	24	24°1951	20°6868	208	13°2121	8°4778		
4588	4*	11°9986	20°7196	5	22°9355	8°8771			4639				3	13°5590	8°6900		
4589	9	3°2052	21°6874	11	14°1052	9°4834			4640	328	20°0980	21°9422	258	9°1679	9°8978	68	713
4590				4†	16°3302	9°1937			4641	24	22°5787	21°4251	208	11°6263	9°2775	68	716
4591	10	6°6357	21°0725	12	17°5594	9°0135			4642	21	17°5635	22°8926	188	6°6770	10°9485		
4592	16	9°7904	21°5174	208	20°6923	9°5886			4643	3*	16°6009	23°6057	3*	5°7463	11°7068		
4593	4	11°9369	20°9798	5	22°8612	9°1398			4644	248	17°1022	23°8999	218	6°2571	11°9753		
4594	7*	4°8615	22°4839	7	15°7258	10°3471			4645	308	17°8280	23°6094	248	6°9725	11°6549	69	687
4595	268	5°6119	23°0760	208	16°4535	10°9725			4646	258	22°0438	23°1782	218	11°1652	11°0535	69	691
4596	8	11°0628	22°0728	10	21°9413	10°1963			4647				4	12°4673	11°1166		
4597	348	3°8975	23°8770	248	14°7040	11°7000	69	676	4648	4	15°6598	24°7945	5	4°8523	12°9281		
4598	4*	6°0156	23°9176	4	16°8204	11°8291		9°0	4649	10	19°0010	24°7361	9	8°1893	12°7346		
4599	8	8°2414	23°8883	9	19°0467	11°8914			4650	9	19°5094	24°8260	11	8°6985	12°8041		
4600				4	19°6900	11°7797			4651	11	20°4975	24°3523	10	9°6691	12°2908		
4601	3*	9°8300	23°3436	4	20°6531	11°4160			4652	478	20°5417	24°5274	348	9°7184	12°4622	69	689
4602	11	12°3226	23°1501	14	23°1555	11°3250	69	686	4653				4	11°1166	12°6433		8°5
4603	7	8°3233	24°1007	9	19°1212	12°1062			4654				5	13°7831	12°3951		
4604				5	19°3639	12°3656			4655	5*	20°9068	25°1931	6	10°1144	13°1123		
4605	218	10°0435	24°7650	198	20°8113	12°8445			4656				10	13°9658	13°9235		
4606	5†	10°0502	24°5239	7	20°8303	12°5994											
4607	17	3°4019	25°6016	168	14°1384	13°3997											
4608	21	7°8313	25°0593	178	18°5877	13°0463											
4609				5	22°4869	13°2890											
4610				4	23°1300	13°0852											
				45	26°4727	2°9650	68	710									
R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 10 <sup>m</sup>									R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 20 <sup>m</sup>								
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2592. 1895, May 4.			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2564. 1895, April 24.						Centre R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2553. 1895, April 23.			R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2564. 1895, April 24.					
No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
4611	318	15°2893	14°6610	358	4°0655	2°8187	68°	710	4657	328	5°0868	14°3517	368	16°3493	2°1512	68°	721
4612	398	21°9640	14°3435	388	10°7205	2°2244	68	714	4658	9	5°4776	14°4464	6	16°7332	2°2644		
4613	4	23°0423	14°4096	3*	11°8011	2°2535			4659	13	6°4058	14°6747	12	17°6527	2°5297		
4614	458	24°8755	15°1676	328	13°6633	2°9307	68	718	4660	8	8°5322	15°3843	7	19°7481	3°3258		
4615	6	16°2344	15°8566	4	5°0595	3°9763			4661	4	6°0488	16°9745	4	17°2035	4°8135		
									4662	558	8°3078	16°5667	468	19°4775	4°4988	68	723
									4663	5	6°0556	17°0643	4	17°2087	4°9035		7°0
									4664	4	6°6655	17°2736	4	17°8098	5°1377		
									4665	4	8°3901	17°4829	3*	19°5222	5°4153		
									4666	158	9°6533	17°2608	17	20°7954	5°2442		
									4667	6	12°7008	17°0761	5	23°8477	5°1830		
									4668	6	8°6025	18°2784	8	19°7031	6°2203		



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R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 20 <sup>m</sup> —contd.										R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2553. 1895, April 23.		Plate 2564. 1895, April 24.								Plate 2553. 1895, April 23.		Plate 3099. 1896, April 26.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
4669	4	12.4472	18.8953						4719	9	15.8665	19.9211	6	4.8436	8.0953				
4670	5	5.1422	19.6178	4	16.1904	7.4172			4720	4*	16.0796	20.1878	4*	5.0645	8.3554				
4671	6	8.5709	19.4854	5	19.6233	7.4250			4721	4*	16.4285	20.1262	5	5.4108	8.2803				
4672	8	9.5574	19.5521	8	20.6066	7.5282			4722				4	8.8785	8.4614				
4673	3*	3.3951	20.5744	4	14.4081	8.3043			4723	3*	22.2582	20.3446	5	11.2439	8.2653				
4674	41§	5.4489	20.7133	38§	16.4545	8.5252	68	722	8.9	4724	18	23.1821	20.3554	14	12.1676	8.2388			
4675	3*	5.4686	20.7202	4	16.4739	8.5326			4725	5*	24.3246	20.1760	7	13.3030	8.0175				
4676	5	11.1043	20.4330	4*	22.1172	8.4726			4726	14	14.2791	21.0223	16	3.2981	9.2576				
4677	18§	12.2605	20.5738	20	23.2682	8.6625			4727	8	16.2106	21.3008	9	5.2403	9.4635				
4678	15	3.8196	21.5422	11	14.7937	9.2869			4728	17	17.5944	21.5607	14	6.6336	9.6692				
4679	12	9.4851	21.6653	11	20.4497	9.6396			4729	4*	18.1905	21.0850	4	7.2103	9.1662				
4680	5	12.0645	21.8093	4	23.0208	9.8839			4730	13	19.3094	21.6581	12	8.3507	9.6951				
4681	4	11.4841	22.5029	3	22.4136	10.5568			4731	14	15.6371	22.5631	13	4.7195	10.7474				
4682	8	13.0854	22.2144	7	24.0238	10.3298			4732	26§	15.9357	22.2685	26§	5.0060	10.4410	68	724		
4683	20	5.9848	23.3516	18§	16.8834	11.1845	69	693	9.3	4733	36§	17.9710	22.8610	28§	7.0607	10.9505	68	726	
4684	15	8.6422	23.2860	13	19.5416	11.2228			4734	3*	18.8488	22.2383	4	7.9110	10.2929				
4685	8	11.1831	23.2618	6	22.0817	11.3030			4735	5	18.8567	22.2444	4	7.9220	10.3000				
4686	13	13.9618	23.7869	13	24.8359	11.9398			4736				4	13.4420	10.5359				
4687	7	6.4020	24.0358	7	17.2750	11.8835			4737	8	14.1312	23.7004	10	3.2590	11.9433				
4688	3*	7.9571	24.4227	5	18.8126	12.3325			4738	11	16.9237	23.3707	10	6.0350	11.5019				
4689	4*	3.9099	25.1872	6	14.7372	12.9350			4739	16	17.9137	23.8760	11	7.0450	11.9650				
4690	100§	6.6611	25.2710	92§	17.4835	13.1237	69	694	6.0	4740	16	19.2771	23.1043	13	8.3783	11.1440	68	727	
4691	4*	13.2307	25.8291	5	24.0248	13.9525			4741				4	10.7449	11.7848				
	32§	2.4361	15.2357	36§	26.8732	10.4980	68	724	9.1	4742	50§	22.5007	23.5791	42§	11.6174	11.4865	69	703	
							68	718	9.0	4743	6*	22.5048	23.4495	6	11.6169	11.3568			
										4744	4*	14.6082	24.6637	5*	3.7724	12.8839			
										4745	5	19.0798	24.8255	8	8.2487	12.8696			
										4746	36§	22.2910	25.0130	20§	11.4660	12.9251	69	702	
										4747				4	12.1410	12.6341			
										4748	7	15.1525	24.8133	6	4.3259	13.0158			
										4749				5	4.6627	13.0683			
										4750				4	5.7538	13.6123			
										4751				4	7.2768	13.5752			
										4752	19	19.8512	25.6436	19§	9.0512	13.6554	69	701	
										4753	14	19.9523	25.5503	14	9.1477	13.5576		9.2	
										4754	11*	23.8764	25.8484	12	13.0812	13.6984			
											48§	26.4576	17.5855				68	730	
																		8.2	
R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> .										R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup> .									
Centre		R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre		R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2553. 1895, April 23.		Plate 3099. 1896, April 26.								Plate 2556. 1895, April 23.		Plate 3099. 1896, April 26.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
4692	6	14.3525	14.6247	4*	3.1173	2.8670			4755	6	4.8876	14.8955	9	16.0953	2.8253				
4693	9	17.0305	14.0265	7	5.7671	2.1636			4756	8	9.8989	14.1538	10	21.1343	2.2919				
4694	15§	17.8325	14.2182	16	6.5772	2.3198			4757	3	13.9338	14.5496	5*	25.1488	2.8544				
4695	4	21.8158	15.5666	5	10.6103	3.5089			4758	17§	4.1052	15.7158	19§	15.2813	3.6143				
4696	11	24.1510	15.7715	9	12.9535	3.6206			4759	25§	4.4624	15.9658	24§	15.6281	3.8762	68	731		
4697	13	17.2843	15.9200	13	6.0988	4.0450			4760				5	14.3332	4.4159				
4698	5	19.9127	16.6491	4	8.7552	4.6669			4761	14	12.6282	16.7887	14	23.7513	5.0375				
4699	9	20.0919	16.5052	9	8.9254	4.5163			4762	30§	4.2237	17.4554	24§	15.3260	5.3534				
4700	18	23.9860	17.0038	17	12.8394	4.8570			4763	35§	4.2239	17.4399	27§	15.3284	5.3395	68	730		
4701	14	16.9196	17.0978	15	5.7819	5.2344	68	725	9.5	4764			5	15.9448	5.9246				
4702	14	21.5108	17.1180	12	10.3691	5.0697			4765	6	6.2849	17.3116	8	17.3931	5.2966				
4703	3	21.7386	17.7842	4	10.6234	5.7270			4766	6	9.9218	17.8144	5	21.0572	5.9521				
4704	4	21.8173	17.9488	5	10.7075	5.8870			4767	6	10.2242	17.7520	7	21.3104	5.8968				
4705	7	19.2933	18.6935	9	8.2147	6.7343			4768	4*	10.3460	17.4195	6	21.4450	5.5739				
4706	10	22.3404	18.7513	8	11.2656	6.6713			4769	23§	10.4045	17.5583	24§	21.4976	5.7146	68	736		
4707	19	22.6068	18.2794	17§	11.5104	6.1863											9.2		
4708				4	12.5163	6.8161													
4709	24	25.0890	18.3476	19§	13.9945	6.1546													
4710	4*	14.8494	18.9235	4*	3.7859	7.1456													
4711	8	16.7128	19.4978	8	5.6705	7.6395													
4712	9	17.0097	18.8971	10	5.9415	7.0285													
4713	7	17.1880	19.3417	8	6.1394	7.4648													
4714	2*	17.3634	19.1302	4*	6.3024	7.2459													
4715	4*	19.3334	19.4720	6	8.2883	7.5103													
4716	2*	19.4400	19.6941	4	8.4031	7.7275													
4717	7	20.6340	19.5252	8	9.5895	7.5114													
4718	35§	23.2210	19.2414	27§	12.1634	7.1257	68	728	8.7										

1 réseau interval represents very nearly  $5' = 53^{\text{s}}.4$  of R.A. at Dec. +  $68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec. +  $69^{\circ}$ .

## ZONE + 68°.

R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup> —contd.							B. D.		R.A. 13 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 50 <sup>m</sup> —contd.							B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2556. 1895, April 23. Plate 3099. 1896, April 26.									Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2556. 1895, April 23. Plate 2051. 1894, May 21.								
4770	5	10.9788	17.8532	7	22.0623	5.9342	o	m.	4819				4	12.3077	2.1153	o	m.
4771	6	10.7301	17.9773	10	21.8070	6.1479			4820	7*	23.6853	14.8042	9	12.4304	2.7022		
4772	7	5.0018	18.2282	10	16.0715	6.1620			4821	8†	24.7554	14.5250	10	13.4854	2.3793		
4773				4	17.6944	6.8290			4822	4	14.0065	15.2548	3†	2.7809	3.5516		
4774	11	8.0497	18.2230	15	19.1189	6.2812			4823	21§	14.5239	15.5324	37§	3.3076	3.8064	68	739
4775	15	11.8966	18.5245	21	22.9508	6.7413			4824	5	14.5445	15.5284					
4776	4*	3.9823	19.9778	6	14.9819	7.8673			4825	10	18.1717	15.0463	16	6.9305	3.1756		
4777	15	4.1866	19.4943	16§	15.2060	7.3807			4826	4	18.5665	15.5133	5†	7.3469	3.6225		
4778	8	6.2979	19.1544	10	17.3274	7.1405			4827	7	18.7075	15.6410	7	7.4909	3.7438		
4779	19	6.6425	19.6473	20§	17.6520	7.6460			4828	3*	19.4783	15.9995	4	8.2771	4.0733		
4780	19	9.0572	19.6087	19	20.0671	7.7080	68	734	4829	3†	20.0185	15.4466	5†	8.7922	3.4930		
4781	13	10.9130	18.9027	17	21.9510	7.0802			4830	6	21.2682	15.7854	9	10.0555	3.7826		
4782	4	13.3301	19.2153	6*	24.3537	7.4920			4831	13	23.3418	15.5555	13	12.1174	3.4680		
4783	8	13.6312	19.2766	10	24.6507	7.5647			4832	20§	14.0048	16.2646	30§	2.8206	4.5624	68	737
4784				4	14.3426	8.8656			4833	36§	14.1847	16.8573	48§	3.0195	5.1447	68	738
4785	19	9.3408	20.9604	19	20.2950	9.0711			4834	17§	16.9743	16.8388	22§	5.8087	5.0123		
4786	5	11.7233	20.5452	6	22.6936	8.7537			4835	9	18.4922	16.2971	9	7.3041	4.4080		
4787	34§	3.1993	21.1467	24§	14.1522	9.0017	68	729	4836	4	14.4006	17.5654	6†	3.2708	5.8497		
4788	8	7.0270	21.0747	9	17.9790	9.0879			4837	3*	16.6529	17.0500	4†	5.4986	5.2347		
4789	7	8.9530	21.3948	8	19.8906	9.4870			4838	4	19.1609	17.1920	6	8.0050	5.2743		
4790	40§	9.5334	21.2768	38§	20.4751	9.3938	68	735	4839				5†	8.7657	5.4208		
4791	4	10.6298	21.6819	8	21.5518	9.8429			4840	8	20.1019	17.4851	10	8.9587	5.5260		
4792	9	11.1293	21.6763	11	22.0522	9.8580			4841				4	10.8548	5.1071		
4793	4	12.0602	21.5078	5	22.9885	9.7272			4842	13	22.8338	17.0669	15	11.6723	4.9983		
4794				4†	14.6125	10.9341			4843				8	13.2577	5.7953		
4795	10	5.1857	22.4852	16	16.0832	10.4207			4844	16	14.6084	18.9304	24§	3.5301	7.1989		
4796	3*	8.5125	22.2110	4	19.4162	10.2863			4845	9	15.7579	18.9963	9	4.6834	7.2172		
4797	8	9.8781	22.9053	9	20.7512	11.0358			4846	6	18.4817	18.0828	8	7.3638	6.1941		
4798	4*	12.7086	21.9348	5	23.6186	10.1826			4847				4	8.1376	6.8864		
4799	8	12.7083	21.9460	10	23.6199	10.1926			4848	30§	21.9498	18.1102	30§	10.8315	6.0753	68	745
4800	7	12.9833	22.0185	8	23.8921	10.2760			4849	20§	19.2856	19.8803	21§	8.2405	7.9560		
4801	13	6.7017	23.9960	13	17.5320	11.9933			4850				5†	10.2386	7.0413		
4802	7	10.5194	23.5496	10	21.3655	11.7068			4851				6	12.9838	7.8376		
4803	4*	5.4013	24.9073	7	16.1954	12.8512			4852	5*	24.0752	19.1243	10	12.9940	7.0005		
4804				5	17.6224	12.8097			4853	7	16.1143	20.3551	9	5.0945	8.5631		
4805				4	20.2556	12.3635			4854	12	16.1717	20.1680	15	5.1463	8.3741		
4806	3*	11.7316	23.9823	5	22.5606	12.1877			4855	17§	20.8600	20.9408	17§	9.8600	8.9477		
4807	16	13.7085	24.2708	17	24.5220	12.5568			4856				6	12.3973	8.5363		
4808	9*	4.4106	25.9900	16§	15.1600	13.8876			4857	9*	23.5256	20.3815	10	12.5005	8.2803		
4809				5	16.9595	13.9107			4858	10	24.3974	20.2355	15	13.3644	8.1000		
4810	7	8.4998	25.8868	7	19.2495	13.9560			4859	4†	14.3405	21.4955	5†	3.3724	9.7752		
4811				4	21.5923	12.9803			4860	3*	15.9646	21.3484	4	4.9910	9.5609		
4812	41§	13.9008	24.8760	40§	24.6862	13.1696	69	712	4861	26§	16.2809	21.0018	26§	5.2881	9.2001	68	741
									4862	5†	22.0522	21.6968	9	11.0823	9.6576		
									4863	5†	14.6498	22.9793	6	3.7398	11.2430		
	38§	1.1346	19.3533	46§	25.3064	5.1712	68	738	4864	4*	15.1011	22.6339	7	4.1780	10.8781		
									4865	4*	15.6119	22.7553	8	4.6901	10.9825		
									4866	18	15.8765	22.8984	18	4.9628	11.1131		
									4867	5	17.6433	22.9375	8	6.7273	11.0758		
									4868				4	7.7598	10.5512		
									4869				3	8.7711	10.1818		
									4870				6	9.3813	10.6738		
									4871	42§	21.9663	22.1631	30§	11.0125	10.1231	68	746
									4872				4†	11.3998	10.5429		
									4873				4	4.6265	11.2843		
									4874				4	5.5724	11.8062		
									4875	5	16.8624	23.7036	9	5.9818	11.8751		
									4876				6	8.9845	11.9356		
									4877	82§	23.2557	23.7977	74§	12.3730	11.7062	69	724



## ZONE + 68°.

R.A. 13 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 2556. 1895, April 23.				Plate 2051. 1894, May 21.					Plate 2566. 1895, April 24.				Plate 2051. 1894, May 21.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
4878	648	23°48'31	23°9'128	498	12°60'20	11°80'71	69°	725	8°0	4930	4*	12°90'96	23°7'182	5*	23°75'32	12°11'81	°	m.	
4879				4	4°02'20	12°84'24				4931	448	6°44'97	25°75'34	398	17°21'53	13°89'03	69	728	8°6
4880				6	6°79'98	12°88'30				4932	9	12°01'50	25°41'50	14	22°78'69	13°77'59			
4881	15	18°12'07	23°98'77	168	7°24'90	12°10'89				4933	5	12°02'73	25°42'56	8	22°79'98	13°78'84	69	730	9°5
4882				5	8°60'92	12°04'55				4934	4	12°76'44	24°66'70	5	23°56'75	13°06'40			
4883	6*	20°45'93	24°79'15	12	9°62'02	12°81'42													
4884	408	20°99'35	24°24'54	298	10°12'95	12°24'82	69	720	9°1		778	1°52'27	23°76'28				69	724	6°0
4885				7	10°65'90	12°33'20					658	1°75'76	23°85'63				69	725	8°0
4886	19	15°71'90	24°95'35	208	4°88'80	13°17'10				R.A. 14 <sup>h</sup> 0 <sup>m</sup> to 14 <sup>h</sup> 10 <sup>m</sup>									
4887				7	5°28'14	13°68'68				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					
4888				11	9°58'56	13°87'98				Plate 2566. 1895, April 24.				Plate 1954. 1894, April 6.					
4889				6	10°08'69	13°26'66				4935	328	17°59'96	14°22'59	438	6°39'70	2°52'49	68°	759	m. 8°8
4890				4	13°74'30	13°10'61				4936	248	19°16'33	14°01'55	39	7°95'28	2°24'75	68	762	9°3
R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup>									4937	198	20°80'05	14°96'88	20	9°62'67	3°13'47	68	767	9°5	
Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					4938	6	14°06'60	15°28'40	3*	2°94'56	3°65'82				
Plate 2566. 1895, April 24.				Plate 2051. 1894, May 21.					4939	208	16°13'51	15°20'58	20	4°97'58	3°56'63	68	756	9°5	
4891	12	11°23'68	14°03'80	21	22°46'63	2°37'61		m.	4940	6	16°27'07	15°99'98	5*	5°14'51	4°35'30				
4892	3	12°99'98	14°19'84						4941	5	17°41'73	15°90'35							
4893	6	9°12'48	15°61'04	10	20°29'25	3°86'33			4942	5	17°73'11	15°57'97							
4894	3*	6°84'00	16°21'55	5	17°98'85	4°37'65			4943	6	20°89'45	15°96'65							
4895	3	10°41'06	16°35'37	4*	21°55'22	4°65'77			4944	8	22°84'53	15°96'03	9	11°71'24	4°03'73				
4896	4*	4°43'06	17°07'34	4†	15°54'19	5°13'43			4945	3	14°27'73	16°68'45							
4897	2	2°95'38	18°57'32	8	14°00'05	6°57'63			4946	3	17°46'68	16°37'49							
4898	3*	4°38'75	18°69'97	3	15°43'38	6°76'20			4947	13	20°74'10	16°85'60	9	9°64'60	5°02'43	68	765	9°5	
4899	368	7°29'09	18°56'91	458	18°34'24	6°74'38	68	748	8°0	4948	7	14°06'81	17°01'95	5*	2°98'76	5°46'77			
4900	3*	4°73'46	19°06'80	4	15°76'42	7°14'41			4949	6	20°28'71	17°79'25	5*	9°23'18	5°97'72				
4901	3*	7°00'18	19°80'03	5	18°00'30	7°96'35			4950	248	20°69'19	17°90'42	318	9°63'98	6°07'07	68	766	9°0	
4902	8	11°10'01	19°52'79	10	22°11'19	7°85'70			4951	178	17°78'43	18°31'23	18	6°75'40	6°60'05	68	760	9°5	
4903	10	11°21'41	19°39'34	17	22°22'86	7°72'84			4952	208	19°27'57	18°50'79	23	8°25'02	6°73'33	68	763	9°4	
4904	3*	5°09'20	19°92'27	4	16°08'93	8°00'95			4953	5	20°64'97	18°96'88	3*	9°64'64	7°13'75				
4905	338	7°66'94	20°52'84	408	18°64'07	8°72'05	68	749	8°3	4954	3*	22°12'96	18°19'68	2*	11°08'85	6°30'56			
4906	238	11°89'57	20°31'68	398	22°87'48	8°67'73	68	752	9°3	4955	7	14°43'32	19°95'25	7†	3°47'52	8°37'62			
4907	388	12°20'09	20°15'32	538	23°18'61	8°52'81	68	753	8°8	4956	258	16°44'56	19°75'83	278	5°47'53	8°10'03	68	757	9°3
4908	5	13°55'53	19°93'90	6	24°54'48	8°37'09			4957	13	19°56'06	20°26'53	12	8°61'19	8°47'71				
4909	3*	4°50'13	21°23'15	6	15°44'44	9°29'50			4958	18	18°58'64	21°16'68	19	7°67'33	9°41'88	68	761	9°5	
4910	3*	4°38'54	21°75'33	5	15°31'50	9°81'13			4959	15	18°94'88	21°16'58	13	8°03'42	9°40'36				
4911	9	7°34'87	21°81'78	13	18°26'78	9°99'68			4960	14	19°08'08	21°12'63	12	8°16'48	9°35'74				
4912	4*	8°66'04	20°83'15	4*	19°61'84	9°06'31			4961				4	12°45'34	9°74'70				
4913				3	20°34'73	9°29'43			4962	7*	23°42'03	21°04'38	4	12°49'83	9°09'73				
4914	148	9°51'34	20°83'32	21	20°47'35	9°09'95			4963	9	24°83'95	21°28'26	9	13°92'61	9°27'61	68	770	9°5	
4915	218	12°87'38	21°10'72	30	23°81'87	9°50'77	68	754	9°3	4964	8	15°92'12	22°73'74	5*	5°07'85	11°09'94			
4916				3	15°58'84	10°18'59			4965	4	16°59'46	22°81'32	3*	5°75'41	11°14'66				
4917	4*	9°69'40	22°14'31	6	20°60'09	10°41'73			4966	8	17°90'34	22°10'01	6†	7°02'98	10°37'84				
4918	15	9°82'12	22°18'84	208	20°72'45	10°46'53			4967	7	20°08'10	22°71'47	5	9°23'01	10°90'49				
4919	3*	10°81'81	21°94'83	5	21°73'37	10°26'85			4968	10	23°26'09	22°45'31	10	12°39'70	10°51'18				
4920	3*	11°75'94	21°94'83	4	22°67'34	10°30'24			4969	5	17°60'40	25°07'86	5*	6°85'42	13°37'29				
4921	178	13°77'93	21°60'71	27	24°70'45	10°04'13	68	755	9°4	4970	4*	21°09'23	25°55'31	4*	10°35'93	13°69'69			
4922				5	14°40'16	11°15'83			4971	17	21°79'24	25°46'42	17	11°05'62	13°57'87	69	735	9°5	
4923	328	4°84'12	23°43'78	278	15°69'99	11°51'07	69	727	9°4	4972	17	23°03'38	25°14'56	19	12°28'48	13°20'72			
4924	16	5°57'39	23°73'41	18	16°41'91	11°83'89			4973										
4925	4	8°97'22	23°66'24	6	19°81'57	11°90'42													
4926	278	12°02'73	22°97'63	388	22°89'94	11°34'03	69	731	8°8					528	1°24'99	8°67'39	68	753	8°8
4927	4*	7°31'84	24°34'08	6	18°13'78	12°51'68								308	1°19'55	11°50'14	69	731	8°8
4928	4*	7°82'46	24°29'17	4	18°64'69	12°48'66											68	771	8°0
4929	19	12°36'57	24°08'67	25	23°19'29	12°46'60													

Plates 2566, 1954. There is no star on these plates corresponding to B. D. 68° 758; mag. 9°5.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 20 <sup>m</sup>								R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2594. 1895, May 4.				Plate 1954. 1894, April 6.				Plate 2594. 1895, May 4.				Plate 2636. 1895, May 27.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
4974	51§	3°0816	14°7708	42§	14°2634	2°5851	68° 771 8°0	5027	20§	19°4593	15°2168	9†	8°2208	3°2847	° m.
4975	8	3°1066	14°2712					5028	7	20°9670	15°9855				
4976	14	3°2135	14°2361	8	14°4157	2°0538		5029	16	21°8294	15°8283	5	10°6136	3°7976	
4977	5	10°9148	14°7943					5030	29§	24°8352	15°6356	10	13°6078	3°4867	
4978	8	11°8027	14°8542					5031	6	14°2234	16°4090				
4979	56§	7°3853	15°8121	43§	18°5226	3°7934	68 774 8°0	5032	9	17°7914	16°4651				
4980	23§	12°2608	15°3461	22	23°4130	3°5217	68 778 9°4	5033	8	20°7872	16°0110				
4981	16	13°6431	15°2087	7*	24°7992	3°4386		5034	5	21°6730	16°8756	3*	10°4917	4°8508	
4982	8	13°7500	15°7709	3*	24°8869	4°0040		5035	3	14°8892	17°2132				
4983	4	13°8904	15°2067					5036	25§	22°8750	17°4498	11	11°7208	5°3780	68 786 9°5
4984	4	5°1082	16°6516					5037	22	19°7377	19°4321	13	8°6662	7°4850	
4985	9	5°6643	16°2519	5*	16°7857	4°1652		5038	4	17°7361	20°9523				
4986	10	6°3896	16°7137	4	17°4931	4°6563		5039	4	18°3392	20°8369				
4987	38§	6°8205	16°2389	35§	17°9435	4°1987	68 773 9°1	5040	6	18°7560	20°7020	3*	7°7356	8°7900	
4988	19§	9°7961	16°1584	16	20°9175	4°2341		5041	37§	19°1034	20°5468	27§	8°0772	8°6228	68 783 9°1
4989	19§	11°3078	16°5573	16	22°4139	4°6938		5042	23	22°0864	20°9563	9	11°0740	8°9128	
4990	23§	11°6771	16°7258	22	22°7743	4°8743		5043	84§	24°1287	20°3711	64§	13°0902	8°2455	68 787 7°2
4991	95§	11°7378	16°7921	90§	22°8345	4°9440	68 777 6°8	5044	13	24°3731	20°2364	5	13°3302	8°1040	
4992	11	12°6220	16°1307					5045	4	17°1417	21°5247	2*	6°1579	9°6781	
4993	12	13°0030	16°9988	8*	24°0933	5°2026		5046	11	17°8519	21°7283	3	6°8753	9°8548	
4994	8	5°9000	17°9152	5*	16°9559	5°8376		5047	3†	18°1434	21°8854				
4995	8	11°7805	17°8539	3*	22°8379	6°0116		5048	21	16°5793	22°2582	11	5°6250	10°4366	68 782 9°5
4996	20	12°9317	17°5910	11*	23°9954	5°7868		5049	20	16°9865	22°9808	11	6°0617	11°1405	
4997	82§	13°1190	17°0075	86§	24°2077	5°2153	68 781 7°4	5050	5	17°4584	22°1690				
4998	10	6°5489	19°7204	8	17°5303	7°6663		5051	7	18°5720	22°1487				
4999	11	10°6549	19°1747	7*	21°6559	7°2834		5052	20	19°4383	22°2623	9	8°4828	10°3242	
5000	21§	12°8281	19°7934	17	23°8038	7°9868		5053	8	14°3216	23°7297				
5001	14	12°8693	19°7576	11	23°8460	7°9540	68 780 9°4	5054	15	16°1452	23°6735	4	5°2493	11°8661	
5002	7	4°6061	20°4182	4*	15°5630	8°2880		5055	32§	18°5750	23°9107	19§	7°6848	12°0053	69 747 9°4
5003	5	5°8101	20°2169	4*	16°7768	8°1301		5056	6*	23°8164	23°4162	3*	12°0007	11°2997	
5004	25§	6°0858	20°5449	20	17°0363	8°4731		5057	6*	23°9367	23°7435	2*	13°0351	11°6227	
5005	6	6°3241	20°7553	3*	17°2657	8°6888		5058	8	17°7072	24°2141	4*	6°8307	12°3424	
5006	8	6°6878	20°4765	6*	17°6382	8°4272		5059	23	14°5103	25°0932	8	3°6727	13°3510	
5007	10	7°1186	20°7644	4*	18°0599	8°7308		5060	6*	17°3511	25°2726	3*	6°5156	13°4172	
5008	9	9°5399	20°7084	6	20°4839	8°7734						76§	1°9550	5°3249	68 781 7°4
5009	16	13°7616	20°9044	9	24°6964	9°1344						32§	1°9159	13°1866	69 746 9°0
5010	7	5°1513	21°8282	4*	16°0538	9°7204									68 788 9°1
5011	18	12°4393	21°7433	12	23°3403	9°9205		50§	25°1561	19°7350					
5012	20§	12°4218	22°1372	20	23°3066	10°3141	68 779 9°5								
5013	11	8°0973	23°3960	6	18°9355	11°4012									
5014	6	10°8915	23°6277	4*	21°7169	11°7430									
5015	8	12°8444	23°4616	6*	23°6719	11°6541									
5016	8	13°7432	23°5270												
5017	13	8°8469	24°2874	7	19°6466	12°3254									
5018	41§	12°7640	24°8600	34§	23°5389	13°0480	69 746 9°0								
5019	5*	5°7493	25°7714	5	16°4945	13°6852		5061	6	4°9040	14°7057				
5020	8	10°0580	25°1754	7	20°8250	13°2548		5062	36§	6°4853	15°9219	20§	17°5998	3°8588	68 792 9°2
								5063	42§	6°8379	15°5115	22§	17°9698	3°4637	68 793 9°3
								5064	7	3°4964	16°7675				
								5065	15	6°5582	16°2229	5†	17°6586	4°1638	
								5066	7	9°4604	16°9065				
								5067	4†	9°6766	16°1975				
								5068	7	6°7908	17°1852				
								5069	6	9°0263	17°4673				
								5070	4	9°4754	17°2247				
								5071	20	9°4758	17°2351	7	20°5343	5°2953	
								5072	17	11°9538	17°3216				
								5073	6	12°2107	17°4739				
								5074	38§	3°5167	18°3775	19	14°5310	6°1922	68 789 9°4
								5075	6	4°0053	18°4282				
R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup>								R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2594. 1895, May 4.				Plate 2636. 1895, May 27.				Plate 1046. 1893, April 24.				Plate 2636. 1895, May 27.			
5021	4	17°5217	14°3860												
5022	6	22°7947	14°8269	3*	11°5361	2°7648									
5023	18	23°2358	14°3484	6	11°9595	2°6662									
5024	32§	24°7483	14°7765	14	13°4858	2°6330									
5025	7	17°5962	15°5370												
5026	3	18°0870	15°5864												



## ZONE + 68°.

R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup> —contd.								
Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				
Plate 1046. 1893, April 24.				Plate 2636. 1895, May 27.				Plate 1046. 1893, April 24.				Plate 2638. 1895, May 27.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
5076	6	4.2902	18.5530					5127	17	21.9745	15.1321	6*	10.7439	3.0394		
5077	9	6.5068	18.5059					5128	10	22.2924	15.4552					
5078	10	9.4860	18.6871	2*	20.4821	6.7456		5129	14	22.3263	15.4671	4*	11.1082	3.3566		
5079	4	10.1329	18.2473					5130	17	22.3475	15.6772	5*	11.1363	3.5667		
5080	11	11.4058	18.9748					5131	9	24.2498	15.7460					
5081	44§	3.1330	19.7731	22§	14.0904	7.5699	68 788	9.1	5132	7	24.7098	15.2575				
5082	19	4.1733	19.6828	6	15.1349	7.5221		5133	6	17.5100	16.4815					
5083	20	7.9710	19.6843	8	18.9289	7.6788		5134	5.	17.6785	16.5967					
5084	32§	10.7405	19.4003	19	21.7087	7.5124	68 795	9.2	5135	9	21.4956	16.2392	2*	10.3086	4.1628	
5085	26§	11.6914	19.8731	11	22.6374	8.0220		5136	36§	18.2488	17.2944	22	7.1049	5.3436	68 797	
5086	7	13.1347	19.1013					5137	18	20.8076	17.3974	7†	9.6652	5.3470	9.5	
5087	4	13.2849	19.6528					5138	9	21.0855	17.4011	3*	9.9450	5.3394		
5088	18	5.0620	20.1588					5139	25	22.3908	17.1799	14	11.2399	5.0679		
5089	4	12.0268	20.3814					5140	6	23.1107	17.3981					
5090	5	13.1858	20.7203					5141	4	23.9878	17.3615					
5091	36§	3.8817	21.1058	17	14.7833	8.9321	68 790	9.5	5142	5	23.9880	17.7242				
5092	5	6.5877	21.0050					5143	44§	24.0325	17.1781	24§	12.8791	4.9990	68 805	
5093	7	8.4287	21.6933					5144	13	24.5023	17.5255	4*	13.3624	5.3248	9.2	
5094	22§	9.0005	21.0115	9	19.9028	9.0493	68 794	9.4	5145	9	14.4162	18.7123				
5095	4	10.9503	21.4518					5146	17	15.4447	18.0767	6	4.3380	6.2381		
5096	4	11.1237	21.3174					5147	10	16.1140	18.4263					
5097	43§	11.2469	21.1058	24§	22.1421	9.2363	68 796	9.1	5148	4	19.1319	18.0457				
5098	6	12.5824	21.2680					5149	30§	19.1773	18.0940	20§	8.0660	6.1054	68 798	
5099	9	6.4499	22.0845	4†	17.3096	10.0174		5150	7	20.1500	18.5485				9.5	
5100	5	10.2760	22.6642					5151	40§	20.8910	18.5493	24§	9.7937	6.4950	68 801	
5101	4	11.6743	22.9148					5152	15	21.1046	18.5609	5*	10.0116	6.4973	8.9	
5102	18	11.9485	22.3735	6	22.7881	10.5298		5153	8	22.2920	18.3693					
5103	9	13.3533	22.5753					5154	38§	23.0390	18.3705	23§	11.9320	6.2311	68 804	
5104	7	13.4661	22.3283					5155	16	23.2382	18.1353	6	12.1251	5.9865	9.4	
5105	18	6.4845	23.1383	5	17.3024	11.0707		5156	7	24.8617	18.7065					
5106	16	8.4135	23.3019	4	19.2214	11.3133		5157	14	15.0909	19.7965					
5107	5	11.6625	23.0720					5158	29§	15.2093	19.2963	17	4.1461	7.4631		
5108	14	11.7313	23.3286	4	22.5354	11.4758		5159	26§	15.9650	19.8723	14	4.9230	8.0128		
5109	13	7.1741	24.6140					5160	6	19.0095	19.8197					
5110	51§	9.7388	24.5558	38§	20.4904	12.6219	69 761	8.3	5161	9	21.6470	19.6731	4*	10.5948	7.5894	
5111	11	12.2643	24.0545	3*	23.0366	12.2260		5162	11	23.6575	19.8748	4*	12.6122	7.7087		
5112	11	13.8784	24.5245					5163	9	15.4906	20.7891					
5113	22	5.1335	25.7827	6	15.8393	13.6557		5164	20§	17.9863	20.3149	11	6.9635	8.3721		
5114	11	7.3590	25.6256	2*	18.0706	13.5917		5165	4	18.2932	20.2712					
5115	21	7.5504	25.6543	6	18.2604	13.6294		5166	10	19.9613	20.8334	3*	8.9541	8.8154		
5116	5	11.0030	25.0618					5167	5	22.2666	20.0315					
5117	4	11.0232	25.6389					5168	10	14.5676	21.5418	3*	3.5961	9.7345		
5118	13	12.1717	25.2959					5169	6	17.5797	21.1683					
5119	5	12.5921	25.2142					5170	10	19.5952	21.4980	3*	8.6167	9.4938		
	84§	2.1598	20.4920				68 787	7.2	5171	45§	20.5786	21.7769	25§	9.6112	9.7317	68 800
									5172	6	15.2033	22.8974				9.2
									5173	7	15.2242	22.3075				
									5174	5	16.2172	22.7162				
									5175	17	18.1949	22.5997	6	7.2607	10.6498	
									5176	14	18.3509	22.0290	5	7.3952	10.0711	
									5177	5	19.2764	22.2298				
									5178	24§	20.8850	22.3803	11	9.9403	10.3222	
									5179	12	14.7283	23.4563	4*	3.8331	11.6412	
									5180	7	15.6430	23.4186				
									5181	27§	17.6262	23.7994	19	6.7419	11.8673	
									5182	34§	17.6383	23.8369	23§	6.7557	11.9045	69 768
									5183	17	23.8657	23.9481	7†	12.9805	11.7697	9.1
									5184	11	15.7201	24.3078	5*	4.8516	12.4547	
									5185	8	16.1754	24.1403				
R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup>																
Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°												
Plate 1046. 1893, April 24.				Plate 2638. 1895, May 27.												
5120	20	15.9248	14.8615	6*	4.6879	3.0184										
5121	13	18.3552	14.2205	5*	7.0909	2.2670										
5122	20	23.1573	14.5529	7	11.8992	2.4138										
5123	19	24.1245	14.7355	7*	12.8755	2.5554										
5124	10	15.1681	15.9655													
5125	17	15.7518	15.6383	5*	4.5461	3.7898										
5126	15	17.3935	15.2814	4*	6.1686	3.3701										

## ZONE + 68°.

B. D.								B. D.							
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 1046. 1893, April 24.				Plate 2638. 1895, May 27.				Plate 2595. 1895, May 4.				Plate 2638. 1895, May 27.			
5186	7	19°7206	24°1643					5237	7	13°5933	23°1272				
5187	23	22°6183	24°9870	7	11°7750	12°8582		5238	31§	5°2781	24°9738	14	16°0400	12°8840	69 774 9°4
5188	26§	15°1697	25°3570	16	4°3459	13°5223		5239	5*	5°3011	24°9516	3*	16°0657	12°8596	
5189	11	19°5959	25°5695	4*	8°7790	13°5608		5240	12	6°5600	24°2661	6	17°3503	12°2266	
5190	23§	20°8860	25°7973	12	10°0817	13°7387	69 770 9°4	5241	20	11°6620	25°4598	9	22°3997	13°6287	
5191	37§	23°1259	25°3196	14	12°2953	13°1703									
				22	11°6572	1°5030	68 803 9°4		23	12°2930	26°2068	64§	26°5116	5°7599	69 777 9°2
												22	26°4327	13°4093	68 817 8°0
														69 780 9°1	
R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>								R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup>							
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 2595. 1895, May 4.				Plate 2638. 1895, May 27.				Plate 2595. 1895, May 4.				Plate 2665. 1895, June 6.			
5192	3	7°3873	14°8616					5242	13	15°2393	14°1121	11	3°9798	2°3247	
5193	7	8°4528	14°8246					5243	4*	17°7754	14°4892	3*	6°5360	2°6048	
5194	30§	8°8168	14°9863	20	19°9888	3°0505	68 811 9°2	5244	20§	20°2378	14°0250	18	8°9713	2°0390	68 819 9°5
5195	4	5°0330	15°3443					5245	6	21°0628	14°1292	5*	9°8003	2°1124	
5196	4	7°9022	15°3027					5246	5	22°0347	14°8853	4*	10°8017	2°8279	
5197	5	9°6025	15°4929					5247	27§	23°2453	14°7354	20§	12°0023	2°6323	68 821 9°4
5198	13	10°5040	15°7869	4*	21°6450	3°9166		5248	10	23°3306	14°4496	8	12°0780	2°3407	
5199	31§	11°6145	15°5877	30	22°7603	3°7665	68 813 9°4	5249	17	23°5873	14°9858	16§	12°3561	2°8664	
5200	9	5°4959	16°2517					5250	26	24°2119	14°3089	19§	12°9535	2°1658	
5201	4	6°1635	16°4951					5251	8	24°2255	14°1997	7	12°9625	2°0582	
5202	16	7°2597	16°0180	9	18°3910	4°0145		5252	19§	19°4102	15°1487	19§	8°1870	3°1950	
5203	19§	7°6149	16°3002	9	18°7326	4°3110		5253	4*	21°0811	15°5322	3*	9°8727	3°5128	
5204	4	7°7519	16°4486					5254	20§	22°1102	15°5639	18§	10°9009	3°5039	
5205	5	8°6604	16°1512					5255	14	22°2638	15°9760	12	11°0732	3°9090	
5206	33§	12°4629	16°6801	27	23°5629	4°8914	68 815 9°1	5256	114§	24°8389	15°9875	90§	13°6455	3°8156	68 823 6°5
5207	8	6°3551	17°4130	3*	17°4268	5°3703		5257	7	18°4920	16°7456	6	7°3338	4°8273	
5208	6	6°8597	17°6253					5258	19§	19°5334	16°4892	18	8°3648	4°5312	
5209	4	8°0823	17°4749					5259	15	22°9748	16°0720	11	11°7851	3°9775	
5210	9	5°9007	18°3011					5260	7*	23°8462	16°9907	6	12°6922	4°8614	
5211	60§	6°7138	18°4034	44§	17°7466	6°3736	68 809 7°8	5261	7*	24°3826	16°4584	7	13°2094	4°3064	
5212	5	9°4963	18°7710					5262	59§	15°4423	17°4255	51§	4°3138	5°6264	68 817 8°0
5213	4	11°7692	18°2710					5263	4†	16°3481	17°2145	2*	5°2113	5°3789	
5214	4	12°5065	18°8658					5264	6	18°5482	17°0678	5	7°4028	5°1482	
5215	6	13°5810	18°7634					5265	6	21°3803	17°9308	6	10°2690	5°8950	
5216	6	5°1718	19°2886	3*	16°1701	7°1948		5266	3*	22°7428	17°2056	5*	11°5998	5°1199	
5217	8	6°0190	19°9234					5267	4*	23°9663	17°6225	6	12°8375	5°4858	
5218	6	12°4232	19°1869					5268	4†	17°2694	18°2650	4*	6°1746	6°3915	
5219	6	13°8019	19°1701					5269	4*	19°5143	18°3047	4*	8°4182	6°3425	
5220	8	3°5070	20°2767	5*	14°4648	8°1161		5270	6	23°0870	18°7421	8	12°0005	6°6433	
5221	19§	6°3954	20°0511	10	17°3615	8°0095		5271	4†	15°3710	19°2369	3*	4°3150	7°4360	
5222	25§	10°7714	20°2340	18§	21°7258	8°3711	68 812 9°3	5272	4	17°0647	19°2145				
5223	5	11°7080	20°5630					5273	25	18°8531	19°8797	21§	7°8194	7°9435	68 818 9°3
5224	20	3°9618	21°9177	8	14°8504	9°7700		5274	4*	20°9683	19°9512	4*	9°8753	7°9309	
5225	24§	7°6518	21°6625	(12)	18°5478	9°6716	68 810 9°0	5275	2*	21°5331	19°8852	3*	10°4901	7°8449	
5226	4	8°3454	21°8707					5276	3*	21°7633	19°6278	4*	10°7138	7°5777	
5227	9	9°5287	21°8352	4*	20°4163	9°9236		5277	27§	23°4937	19°3926	18§	12°4357	7°2744	
5228	11	10°4634	21°6390	5†	21°3602	9°7631		5278	9	14°7260	20°4764	7	3°7181	8°7030	
5229	10	11°6754	22°7605	4*	22°5238	10°9357		5279	15	14°9573	20°9351	12	3°9658	9°1532	
5230	4	12°2837	22°3824					5280	10	16°1683	20°1180	9	5°1471	8°2900	
5231	29§	13°4389	22°9169	24	24°2796	11°1648	68 816 9°5	5281	10	20°0557	20°2452	9	9°0345	8°2620	
5232	50§	3°8645	23°5966	22§	14°6864	11°4436	68 806 9°3	5282	27	21°9248	21°9883	19§	10°9696	9°2928	
5233	7	5°4827	23°5646	3*	16°3013	11°4799		5283	3*	22°7933	21°9237	4*	11°8390	9°8298	
5234	5	9°3604	23°3557	3*	20°1837	11°4344		5284	7	14°9253	22°0455	6	3°9808	10°2637	
5235	14	9°3784	23°4004	7	20°2021	11°4786									
5236	18	11°9988	23°4445	8	22°8182	11°6338	68 814 9°5								

Plate 2638, No. 5225. The 6<sup>min</sup>. image coincides with a fault on the plate, and has therefore not been measured. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 53<sup>s</sup>.4 of R.A. at Dec. + 68°, and 55<sup>s</sup>.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2595. 1895, May 4.				R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2665. 1895, June 6.				Centre R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2030. 1894, May 10.				R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2665. 1895, June 6.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup>								R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2656. 1895, June 5.				Plate 2042. 1894, May 17.				Plate 2656. 1895, June 5.				Plate 2042. 1894, May 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
5384	12	8.7672	13.9958	5*	20.0165	1.9844	68 836	5443	7	10.8195	22.8794	3*	21.7235	10.9399	
5385	19	3.7611	14.9606	12	14.9760	2.7529	9.4	5444	28§	12.1472	22.3193	31§	23.0745	10.4258	68 845 9.3
5386	4	6.4159	14.8915					5445	14§	12.2379	22.8312	8	23.1442	10.9455	
5387	13	6.8150	14.2439	6*	18.0560	2.1574		5446	10	12.6207	22.2790	4*	23.5477	10.4059	
5388	13§	11.2260	14.4913					5447	30§	3.1328	23.5516	21	14.0160	11.3125	
5389	4	11.4657	14.2542					5448	11	4.3080	23.6004	5	15.1889	11.4081	
5390	8	12.7070	14.3509					5449	20	6.0862	23.3287	11	16.9780	11.2063	
5391	5	6.2647	15.5085					5450	19§	8.4143	23.0548	13	19.3127	11.0220	
5392	12	6.3238	15.9043	4	17.5001	3.7938		5451	16§	8.7646	23.2102	10	19.6566	11.1889	
5393	71§	7.1783	15.7119	70§	18.3634	3.6368	68 842 6.8	5452	16	13.6560	23.3997	9*	24.5395	11.5685	
5394	10	7.5771	15.1095	3*	18.7864	3.0494		5453	26	3.2717	24.6090	18	14.1149	12.3744	
5395	4	8.1245	15.0701					5454	6	6.9355	24.4364	3*	17.7835	12.3417	
5396	10	8.6081	15.4512	4*	19.8005	3.4309		5455	29§	10.4211	24.6294	24	21.2570	12.6742	69 803 9.5
5397	5	10.1437	15.9735					5456	21§	11.2541	24.8696	18	22.0813	12.9428	
5398	7	3.9968	16.7163	4*	15.1454	4.5172		5457	17§	13.7772	24.0793	9	24.6333	12.2540	
5399	15	4.4005	16.6978	9	15.5494	4.5098		5458	6	5.3516	25.5107				
5400	4	6.2354	16.0145					5459	39§	10.3941	25.4363	35§	21.2005	13.4756	69 804 9.2
5401	6	10.7524	16.8004					5460	10	10.6175	25.7255	6	21.4123	13.7737	
5402	5	10.8239	16.8754					5461	13	12.8279	25.7575	7	23.6205	13.8921	
5403	5	11.0386	16.2706												
5404	5	3.1554	17.4927									54§	25.1610	11.1707	68 848 8.3
5405	19	4.3619	17.7151	13	15.4697	5.5259		R.A. 15 <sup>h</sup> 40 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup>							
5406	30§	7.3350	17.8580	38§	18.4362	5.7844	68 843 9.0	Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							
5407	18	7.5018	17.5504	15	18.6161	5.4848		Plate 2656. 1895, June 5. Plate 2081. 1894, June 21.							
5408	5	7.8679	17.4294					5462	8	14.1604	14.6793				
5409	4	9.5626	17.5842					5463	18§	15.4346	14.2307	11	4.1858	2.3427	
5410	18§	11.1859	17.0340	14	22.3179	5.1085		5464	22§	16.4180	14.3076	20	5.1729	2.3798	
5411	15	13.7252	17.3618	6*	24.8455	5.5339		5465	8	17.9448	14.2159	5†	6.6937	2.2251	
5412	26§	3.9263	18.3079	22	15.0115	6.1022	68 837 9.3	5466	5	19.1466	14.9497				
5413	33§	4.3461	18.4399	29§	15.4294	6.2522	68 838 9.2	5467	5†	20.9993	14.5888				
5414	6	4.3904	18.9412	3*	15.4502	6.7555		5468	17	22.8653	14.8974	12	11.6378	2.7004	
5415	23§	4.7088	18.5342	21§	15.7862	6.3629	68 839 9.4	5469	3	14.3183	15.3246				
5416	29§	6.3847	18.6036	26§	17.4579	6.4938	68 841 9.4	5470	5	17.7495	15.4656				
5417	22§	6.8047	18.8094	21	17.8690	6.7166		5471	8	18.9533	15.9020	4	7.7722	3.8662	
5418	6	6.8872	18.0700					5472	15§	15.4443	16.8684	11	4.3058	4.9805	
5419	6	11.7239	18.1884					5473	4†	21.1519	16.0518	2*	9.9766	3.9208	
5420	17	13.1582	18.7200	11	24.2213	6.8696	68 847 9.5	5474	8	22.5569	16.8860	4	11.4125	4.7005	
5421	5	13.3142	18.5237					5475	14	22.6266	16.8988	6	11.4810	4.7074	
5422	15§	9.5399	19.3057	9	20.5852	7.3182		5476	7	23.1309	16.6497	4	11.9765	4.4395	
5423	12	9.8182	19.6235	5*	20.8505	7.6466		5477	6	24.9785	16.4369	4	13.8149	4.1484	
5424	15	10.5835	19.3979	9	21.6210	7.4483		5478	12	17.8444	17.0367	6	6.7108	5.0465	
5425	35§	12.2145	19.8129	44§	23.2370	7.9282	68 846 9.0	5479	12	21.0048	17.8118	7	9.8995	5.6900	
5426	5	12.4949	19.8638					5480	8	23.3004	17.2079	5	12.1717	4.9913	
5427	4	13.6949	19.9196					5481	7	15.9755	18.3609	5†	4.8997	6.4453	
5428	27§	10.7459	20.6509	25§	21.7375	8.7089	68 844 9.1	5482	20§	16.9055	18.3022	15	5.8259	6.3483	
5429	7	11.5398	20.5430					5483	8	19.0960	18.8695	4	8.0360	6.8251	
5430	6	13.7143	20.8285					5484	4	19.6562	18.0590				
5431	8	13.7935	20.4727					5485	3	19.7806	18.7939				
5432	6	5.3887	21.5333					5486	9	22.3593	18.2690	4	11.2722	6.0927	
5433	5	5.4141	21.6177					5487	6	24.4631	18.3079	4	13.3764	6.0398	
5434	27§	6.4477	21.0083	25§	17.4280	8.8969	68 840 9.4	5488	6	16.0553	19.3993	2*	5.0256	7.4811	
5435	20§	7.6165	21.2247	14	18.5880	9.1640		5489	6	17.5699	19.1803	4†	6.5251	7.1997	
5436	10	8.7228	21.5742	5	19.6763	9.5554		5490	6	17.8432	19.9190	4	6.8291	7.9240	
5437	8	10.5165	21.9488	4*	21.4585	9.9934		5491	42§	19.3311	19.6658	42§	8.3035	7.6114	68 850 9.0
5438	4	10.7706	21.2486					5492	23§	20.6860	19.5457	23§	9.6525	7.4360	68 851 9.5
5439	6	12.2354	21.1043					5493	18§	21.1154	19.1010	14	10.0625	6.9715	
5440	5	5.8552	22.0852	3*	16.7951	9.9584									
5441	12	6.8431	22.8255	5	17.7538	10.7303									
5442	12	8.0900	22.1882	5	19.0235	10.1438									

x réseau interval represents very nearly 5' = 53.4 of R.A. at Dec. + 68°, and 55.8 at Dec. + 69°.



## Z O N E + 68°.

R.A. 15 <sup>h</sup> 40 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2656. 1895, June 5.				Plate 2081. 1894, June 21.				Plate 1048. 1893, April 24.				Plate 2081. 1894, June 21.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
5494	16§	21°8174	19°3135	8	10°7751	7°1542	° m.	5541	13	13°1059	17°2396				° m.
5495	7	24°1293	19°3865	4	13°0860	7°1307		5542	13	4°7811	18°2521	7	15°8424	6°0683	
5496	8	24°9880	19°1810	5	13°9340	6°8934		5543	6	5°6699	18°7289	3*	16°7093	6°5834	
5497	9	14°1240	20°2608	6	3°1280	8°4185		5544	6	6°4414	18°2704	5*	17°5015	6°1545	
5498	6	14°3168	20°6884	4*	3°3401	8°8413		5545	6	7°1148	18°4242	3	18°1682	6°3371	
5499	4	14°7044	20°7949					5546	22§	8°4758	18°6503	17	19°5179	6°6188	
5500	37§	21°5024	20°8316	25§	10°5209	8°6877	68 853 8.8	5547	7	9°7431	18°1980	3*	20°8011	6°2215	
5501	5	23°4758	20°1447	4	12°4647	7°9152		5548	16	10°7010	18°2261	7*	21°7593	6°2875	
5502	12	16°7405	21°8651	7	5°8077	9°9170		5549	21§	8°4478	19°3155	15	19°4641	7°2832	
5503	3	16°8323	21°3071	2*	5°8806	9°3576		5550	13	9°5875	19°5451	9	20°5932	7°5592	
5504	16	17°1279	21°4484	11	6°1806	9°4853		5551	10	12°6559	19°1162	4*	23°6758	7°2553	
5505	45§	17°6347	21°9138	42§	6°7042	9°9307	68 849 7.8	5552	14	12°9226	19°0667	7*	23°9453	7°2167	
5506	6	20°7353	21°0283	4	9°7638	8°9126		5553	6	13°2473	19°2004				
5507	10	24°1449	21°4701	8	13°1885	9°2154		5554	17	5°9370	20°6899	8	16°8963	8°5513	
5508	7	14°1535	22°0537	4	3°2299	10°2111		5555	21§	6°8375	20°0991	14	17°8210	7°9998	68 856 9.5
5509	41§	14°2610	22°9780	44§	3°3785	11°1317	68 848 8.3	5556	20§	6°9750	20°2859	16§	17°9512	8°1907	
5510	6	14°3542	22°6974	3*	3°4576	10°8485		5557	8	8°9177	20°7242	3*	19°8808	8°7090	
5511	18	18°8642	22°9668	13	7°9743	10°9278		5558	18	9°3640	20°1351	11	20°3445	8°1390	
5512	6	19°3214	22°1221	3	8°3998	10°0661		5559	9	9°5139	20°7209	4*	20°4741	8°7304	
5513	6	19°8711	22°7911	3	8°9738	10°7138		5560	23	3°5965	21°6739	13	14°5154	9°4407	68 854 9.5
5514	4	23°1256	22°0846	4†	12°1937	9°8710		5561	7	3°6821	21°8355	4	14°5964	9°6055	
5515	7	23°5105	22°2771	3	12°5903	10°0493		5562	5	8°3059	21°6852	3*	19°2236	9°6471	
5516	11	17°2150	23°3307	6	6°3452	11°3627		5563	12	8°7667	21°8412	7	19°6779	9°8201	
5517	43§	20°8244	23°7151	40§	9°9648	11°5949	68 852 9.0	5564	6	9°1239	21°8121	3*	20°0327	9°8052	
5518	7	21°7958	23°4095	5	10°9232	11°2496		5565	11	11°9016	21°8944	5	22°8073	9°9978	
5519	9	22°5625	23°8472	7	11°7071	11°6553		5566	14	11°9479	21°9074	7	22°8541	10°0155	
5520	3	23°2217	23°5078					5567	21§	13°1753	21°4708	21	24°0990	9°6290	
5521	19§	15°0899	24°7235	12	4°2790	12°8425	69 810 9.5	5568	15	13°6201	21°8388	7	24°5279	10°0140	
5522	6	22°2826	24°1580	5	11°4435	11°9773		5569	16	13°7622	21°0403	8	24°6988	9°2271	
5523	9	23°7446	24°2567	7	12°9042	12°0145		5570	14	8°6763	22°9593	8	19°5423	10°9317	
5524	74§	18°7569	25°8617	77§	7°9890	13°8246	69 812 7.0	5571	27§	9°0193	22°1407	20§	19°9182	10°1299	
				46§	1°1996	8°0538	68 846 9.0	5572	16	9°4865	22°8032	8	20°3580	10°8086	
				31§	1°2387	10°5600	68 845 9.3	5573	6	11°4916	22°2068	3*	22°3832	10°2962	
	50§	25°4143	26°1362				69 818 9.0	5574	18	11°8099	22°6538	12	22°6853	10°7553	
R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup>								5575	10	12°4083	22°5824	5	23°2855	10°7099	
Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				5576	11	12°9960	22°9685	4*	23°8586	11°1193	
Plate 1048. 1893, April 24.				Plate 2081. 1894, June 21.				5577	18	5°6228	23°1741	9	16°4821	11°0210	
5525	7	6°6984	14°8028	4*	17°9017	2°6980	° m.	5578	20	5°7073	23°8748	9	16°5373	11°7249	
5526	15	9°8723	14°9508	7*	21°0643	2°9802		5579	14	10°3026	23°5676	7	21°1406	11°6072	
5527	8	3°2280	15°6041	4*	14°3968	3°3617		5580	4	10°9845	23°9968	3*	21°8032	12°0652	68 857 9.5
5528	11	8°0657	15°4974	5*	19°2389	3°4499		5581	19	12°0470	23°6082	12	22°8834	11°7200	
5529	6	10°0775	15°7337					5582	7	8°9359	24°5129	4	19°7358	12°4982	
5530	10	10°8828	15°0970	9*	22°0712	3°1654		5583	27	9°4971	24°9570	14	20°2772	12°9635	69 829 9.5
5531	5	12°9260	15°2319					5584	24§	10°9553	24°0478	19§	21°7732	12°1162	
5532	11	6°5378	16°9733	5	17°6493	4°8645		5585	32§	13°2100	24°4520	27§	24°0123	12°6097	69 830 9.5
5533	6	7°1452	16°6315					5586	58§	3°9103	26°0477	32*§	14°6514	13°8239	69 818 9.0
5534	6	7°9848	16°1739					5587	11	5°8372	25°5214	6	16°5952	13°3778	
5535	11	8°6293	16°5311	4*	19°7556	4°5137		5588	17	6°3061	25°7644	9	17°0565	13°6381	
5536	8	11°0649	16°0010									33	26°5806	4°1129	68 860 9.5
5537	13	13°0238	16°5496	8*	24°1501	4°7059						30	25°3871	6°2111	68 859 9.2
5538	6	3°1660	17°8793	5*	14°2438	5°6282			50§	5°9728	26°7681				69 820 9.0
5539	25§	8°7615	17°8329	20§	19°8393	5°8134			41§	6°2067	26°2673				69 824 9.5
5540	5	9°2049	17°2720	4*	20°3053	5°2722			95§	6°9020	26°1842				69 825 6.8

Plate 2081, No. 5586. The 3<sup>min</sup>. image is partly covered by a trail, and has therefore not been measured.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup>							B. D.		R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup> —contd.							B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 1048. 1893, April 24.									Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2670. 1895, June 8.								
5589	8	21.6276	13.9978	7	10.3862	1.9509	°	m.	5648	25	22.3899	24.8080	228	11.5700	12.7226	°	m.
5590	6	14.9371	14.0675	6	3.7003	2.2825			5649	21	14.4754	24.9391	248	3.6687	13.1650		
5591	8	15.8906	14.4815	8	4.6713	2.6571			5650	5	14.5715	24.8826	9	3.7628	13.1030		
5592	478	18.5591	14.6862	498	7.3456	2.7539	68	862	5651	22	17.2007	25.3079	218	6.4071	13.4264		
5593	7	19.4996	14.7203	7	8.2877	2.7527			5652	4*	17.8739	25.1628	6	7.0783	13.2521		
5594	6	19.5113	14.7333	6	8.3004	2.7685			5653	19	20.2209	25.5953	198	9.4337	13.5905		
5595	8	20.3537	14.3008	8	9.1236	2.3047			5654	23	22.6593	25.5237	218	11.8656	13.4274		
5596	1268	20.7788	14.8777	1438	9.5695	2.8592	68	864	5655				4	11.9622	13.8733		
5597	9	21.1030	14.9693	10	9.9013	2.9420			R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup>								
5598	11	17.5109	15.7227	13	6.3403	3.8325			Centre R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2653. 1895, June 2.								
5599	278	21.5852	15.7226	308	10.4118	3.6730	68	860	Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2670. 1895, June 8.								
5600	308	15.4245	15.8572	408	4.2607	4.0498			5656	8	5.3253	14.9058	8	16.5378	2.7799	°	m.
5601	4	18.5798	16.8806	6	7.4525	4.9473			5657	4	6.6932	14.2892					
5602	3	14.0973	16.7652	4*	2.9728	5.0121			5658	13	6.7755	14.8807	11	17.9870	2.8148		
5603	8	16.9915	17.7742	12	5.9009	5.9023			5659	6	7.2151	14.2848	6*	18.4497	2.2413		
5604	9	18.7179	17.5773	13	7.6171	5.6402			5660	6	7.6489	14.4768	4*	18.8747	2.4471		
5605	7	24.3802	17.3776	8	13.2685	5.2201	68	859	5661	188	12.0473	14.5278	16	23.2700	2.6789		
5606	318	14.3227	18.0015	378	3.2425	6.2372			5662	6	5.4030	15.4871	5*	16.5893	3.3638		
5607	4*	15.4744	18.0306	5	4.4003	6.2205			5663	8	6.7849	15.3892	8	17.9763	3.3224		
5608	4	17.3847	18.6237	7	6.3295	6.7373			5664	9	7.1156	15.1665	9	18.3156	3.1150		
5609	5	19.4870	18.4428	7	8.4219	6.4718			5665	8	12.4725	15.6979	7*	23.6467	3.8655		
5610	3	20.8259	18.9119	5	9.7759	6.8913			5666	228	4.0683	16.4149	248	15.2205	4.2365		
5611	6	21.4203	18.8442	6	10.3682	6.7990			5667	8	5.6524	16.6914	8	16.7889	4.5796		
5612				4	10.4554	6.6348			5668	7	8.5856	16.9898	7	19.7090	4.9983		
5613	16	24.2063	19.1325	15	13.1619	6.9790			5669	4	9.3499	16.1060	4*	20.5069	4.1459		
5614	8	15.3071	19.7515	13	4.2967	7.9460			5670	4	9.4842	16.3638	3*	20.6286	4.4112		
5615				4	6.7535	7.4328			5671	5	9.6167	16.4271	7*	20.7626	4.4751		
5616	258	19.0433	19.2417	268	8.0093	7.2903			5672	178	10.8843	16.4383	16	22.0273	4.5388		
5617	6	20.7250	19.5866	9	9.7024	7.5690			5673	4	12.7618	16.4471	4*	23.9045	4.6223		
5618				4	10.4626	7.8994			5674	198	13.0942	16.4433	23	24.2379	4.6346		
5619	278	21.4830	19.9459	278	10.4738	7.8957			5675	5	13.9479	16.9555	4*	25.0671	5.1836		
5620	11	21.5439	19.9446	10	10.5343	7.8936			5676	3*	3.9533	17.5986	6	15.0540	5.4121		
5621	4*	22.1725	19.9387	5	11.1645	7.8643			5677	248	4.0003	17.5072	268	15.1153	5.3247		
5622	3*	22.3093	19.7817	4	11.2946	7.7039			5678	4*	4.4100	17.0411	4*	15.3320	4.8721		
5623	7	22.3320	19.9350	7	11.3220	7.8526			5679	9	7.0488	17.6572	12	18.1464	5.5997		
5624	4*	23.6826	19.4160	5	12.6535	7.2805			5680	3	7.7948	17.7196	4*	18.8879	5.6962		
5625	228	23.7843	19.2158	20	12.7446	7.0777			5681	4	8.1262	17.2456	4*	19.2408	5.2338		
5626	19	24.1567	19.6073	18	13.1314	7.4556			5682	8	10.3521	17.6686	7	21.4435	5.7473		
5627	208	24.5618	19.5495	208	13.5341	7.3821			5683	3*	4.0878	18.2602	5*	15.1630	6.0774		
5628	15	19.0872	20.2564	17	8.0932	8.3025			5684	7	4.5024	18.6690	8	15.5622	6.5044		
5629				5†	10.9165	8.4886			5685	248	4.8747	18.6509	258	15.9335	6.5029	68	866
5630	5	23.1231	20.6260	6	12.1395	8.5154			5686	8	4.8919	18.5875	9	15.9530	6.4403		
5631	16	23.2220	20.7518	18	12.2403	8.6343			5687	13	7.7106	18.1364	16	18.7863	6.1083		
5632	15	23.9638	20.7482	13	12.9845	8.6033			5688	3*	11.1053	18.6098	3*	22.1572	6.7196		
5633	6	14.1761	21.0235	7	3.2161	9.2605			5689	4	12.5841	18.3397	5*	23.6483	6.5094		
5634	3*	14.4235	21.6969	4*	3.4886	9.9228			5690	5	12.6637	18.0498	4*	23.7360	6.2231		
5635	12	18.2422	21.1940	15	7.2851	9.2735			5691	228	3.1093	19.1190	208	14.1473	6.9003		
5636	4*	18.3063	21.6152	4*	7.3648	9.6908			5692	218	5.4408	19.3430	228	16.4694	7.2188	68	867
5637	7	23.0632	22.2863	7	12.1431	10.1787			5693	7	7.2478	19.7728	8	18.2570	7.7214		
5638				4	13.0210	10.1245			5694	21	7.5149	19.5771	258	18.5322	7.5383		
5639				5	4.4508	11.4095			5695	9	9.5949	19.4128	10	20.6180	7.4592		
5640	348	17.3295	23.4768	358	6.4596	11.5901	68	861	5696	17	10.5848	19.5637	238	21.6029	7.6493		
5641	288	19.8827	23.4733	278	9.0125	11.4840			5697	4*	5.9489	20.4289	4	16.9322	8.3250		
5642	8	19.9233	23.2632	8	9.0425	11.2719	68	863	5698	5	6.7293	20.2953	6*	17.7172	8.2223		
5643	468	19.9726	23.1470	628	9.0883	11.1541			5699	4*	9.1588	20.8990	6*	20.1226	8.9276		
5644	5	20.2439	23.9308	6	9.3931	11.9290			5700	7	10.0133	20.7842	8	20.9786	8.8470		
5645	588	24.7246	23.3043	588	13.8424	11.1253	68	865									
5646	23	21.8402	24.0498	208	10.9895	11.9850											
5647				8	11.4775	12.9478											



## ZONE + 68°.

R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2653. 1895, June 2.				R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2670. 1895, June 8.				Centre R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2653. 1895, June 2.				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
5701	6	10°5973	20°3860	6*	21°5792	8°4721	° m.	5749	3	17°7743	16°2258				° m.
5702	13	12°5594	20°3908	16	23°5413	8°5601		5750	7	20°3733	16°1288	4*	9°1868	4°2916	
5703	18	3°6012	21°0585	16	14°5607	8°8578		5751	44§	21°7158	16°3592	41§	10°5390	4°4632	68 873 8°8
5704	21	4°8478	21°3023	19§	15°7976	9°1518		5752	4	18°3475	17°3204				
5705	19	7°2558	21°8379	21	18°1790	9°7873		5753	7	20°8669	17°4867	4*	9°7383	5°6245	
5706	4†	10°1110	21°6615	4†	21°0407	9°7286		5754	4	22°6410	17°7078				
5707	5	10°8346	21°7269	7	21°7607	9°8208		5755	5	14°5174	18°3222				
5708	4*	4°9368	22°8521	5	15°8236	10°7055		5756	3	14°8278	18°7954				
5709	4	5°6873	22°9695	7	16°5656	10°8533		5757	6	15°7267	18°6750				
5710	3*	7°8658	22°5244	5	18°7659	10°4989		5758	5	16°4990	18°6916				
5711	6	8°2833	22°2058	9	19°1910	10°1970		5759	13§	20°0929	18°1075	10	8°9905	6°2787	
5712	9	8°4212	22°6537	7	19°3120	10°6513		5760	4	20°7417	18°9123				
5713	7	8°7384	22°7092	9	19°6273	10°7164		5761	16	21°9153	18°4138	9	10°8231	6°5073	
5714	4	10°7297	22°4067	6	21°6294	10°4972		5762	6	24°2776	18°8943	4*	13°2032	6°8856	
5715	20	4°0907	23°7063	19§	14°9412	11°5214		5763	11	24°6433	18°0685	8	15°5358	6°0484	
5716	13	4°7993	23°7686	13	15°6473	11°6131		5764	10	15°6031	19°1308	7	4°5478	7°4876	
5717	5*	6°3185	23°8681	6	17°1606	11°7746		5765	5	18°7812	19°1528	3*	7°7236	7°3758	
5718	13	8°7513	23°3846	13§	19°6106	11°3911		5766	10	20°6762	19°0936	6	9°6127	7°3432	
5719	11	9°4628	23°5187	12	20°3160	11°5573		5767	36§	22°0904	19°2838	34§	11°0333	7°3696	68 874 9°0
5720	8	10°7101	23°4491	11	21°5678	11°5386		5768	5	17°4839	20°2956				
5721	12	11°8373	23°7753	13	22°6806	11°9093		5769	6	20°0273	20°4634	4*	9°0246	8°6348	
5722	75§	12°0430	23°4720	89§	22°8987	11°6170	68 868 6°5	5770	41§	22°7032	20°6570	38§	11°7043	8°7150	68 875 9°0
5723	3*	12°7083	23°9335	4*	23°5399	12°1067		5771	15§	14°1130	21°7572	12	3°1678	10°1772	
5724	6	11°0535	24°6200	10	21°8631	12°7220		5772	5	15°0985	21°0951	3*	4°1287	9°4718	
5725	6*	3°7133	25°2148	10	14°5013	13°0165		5773	24§	17°2338	21°5781	21	6°2803	9°8657	
5726	12	5°4477	25°9667	17	16°2052	13°8359		5774	34§	18°1463	21°5739	32§	7°1929	9°8230	68 871 9°3
5727	4*	6°4903	25°8214	6*	17°2519	13°7326		5775	8	19°0448	21°1755	3*	8°0721	9°3868	
5728	3*	9°9250	25°7295	5*	20°6870	13°7854		5776	17§	19°2533	21°0583	14	8°2750	9°2615	
5729				6	21°7608	13°4079		5777	7	19°6780	21°8577	3*	8°7315	10°0441	
5730	4*	12°1032	25°5187	5*	22°8742	13°6621		5778	9	23°0619	21°2828	4	12°0891	9°3287	
5731	2*	13°2663	25°3953	5*	24°0382	13°5888		5779	4	15°8120	22°3315	2*	5°8899	10°6807	
5732	5*	13°6558	25°2874	7	24°4356	13°4945		5780	4	17°9345	22°7499				
								5781	7	18°0115	22°4818	4*	7°0972	10°7355	
	61§	2°9753	23°3569	61§	26°1194	3°9088	68 870 8°5	5782	30§	19°1569	22°7033	27§	8°2471	10°9106	68 872 9°5
								5783	10	19°1613	22°6656	7	8°2507	10°8723	
								5784	3	19°7634	22°5121				
								5785	15	19°9352	22°2422	7	9°0060	10°4187	
								5786	8	20°2954	22°1693	7*	9°3653	10°3312	
								5787	7	20°3195	22°9858				
								5788	8	22°2563	22°2720	4*	11°3280	10°3497	
								5789	9	23°6037	22°5013	4	12°6803	10°5202	
								5790	14	17°7678	23°8994	6	6°9118	12°1640	
								5791	7	23°0263	23°2409	4	12°1379	11°2834	
								5792	4	15°5445	24°7139	2*	4°7245	13°0736	
								5793	10	15°6048	24°7498	5	4°7849	13°1055	
								5794	23	21°1070	24°3671	13	10°2645	12°4925	
								5795	74§	24°5144	24°9670	60§	13°6934	12°9424	68 876 8°5
								5796	18	17°6050	25°2867	11	6°8084	13°5563	
								5797	36§	18°8280	25°4675	28§	8°0358	13°6845	69 846 9°0
								5798	4*	18°8712	25°1938	3*	8°0652	13°4128	
								5799	162§	22°8071	25°9235	133§	12°0255	13°9655	69 850 5°2
								5800	6*	23°4769	25°0912	5	12°6647	13°1144	
												74§	1°1751	11°9783	68 868 6°5

No. 5799. A Draconis.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup>								R.A. 16 <sup>h</sup> 40 <sup>m</sup> to 16 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2057. 1894, May 21.				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.				Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2057. 1894, May 21.				R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
5801	9	3.3490	14.9358	6	14.5154	2.9690	° m.	5850	13	18.6219	15.2970	7	7.4170	3.4430	° m.
5802	6	6.9265	14.5666	4*	18.1063	2.7571		5851	16	19.9560	15.3258	15	8.7491	3.4167	
5803	6	6.9895	14.5901	5*	18.1688	2.7771		5852	7*	22.6423	15.6194	7	11.4473	3.6057	
5804	15	7.0793	14.0345	12	18.2803	2.2252		5853	12	15.2162	16.6881	10	4.0709	4.9660	
5805	6	12.2587	14.6171					5854	30§	15.5444	16.5358	38§	4.3902	4.8002	68 881 9.5
5806	6	4.0625	15.7447	5	15.1935	3.8098		5855	21	19.4563	16.8108	18	8.3085	4.9228	
5807	6	9.3440	15.9104					5856	24	19.7991	16.6874	23	8.6468	4.7834	
5808	11	12.0128	15.5975	7*	23.1483	3.9871		5857	34§	21.6184	16.6029	30§	10.4609	4.6269	68 885 9.4
5809	6	13.9907	15.8769					5858	27	22.1977	16.7810	26	11.0455	4.7824	68 886 9.4
5810	9†	3.7025	16.5747	5	14.8032	4.6244		5859	33§	22.3177	16.2071	33§	11.1421	4.2025	68 887 9.2
5811	42§	6.0195	16.9353	36§	17.1046	5.0788	68 878 8.5	5860	68§	17.1984	17.1661	67§	6.0672	5.3659	68 883 7.6
5812	59§	7.2884	16.5795	52§	18.3823	4.7766	68 879 7.2	5861	9	19.3924	17.9403	7	8.2902	6.0518	
5813	4	10.8260	16.4399					5862	4*	24.7030	17.8147	5	13.5930	5.7171	
5814	10	12.0075	16.7571	7*	23.0918	5.1502		5863	5	14.9787	18.2880				
5815	6	8.7868	17.7132	3*	19.8379	5.9736		5864	19§	18.8976	18.8867	18	7.8336	7.0165	
5816	20§	12.2934	17.5241	17	23.3480	5.9259		5865	8	20.5976	18.6167	8	9.5216	6.6809	
5817	9	12.5717	17.4759	4*	23.6302	5.8894		5866	26	22.7093	18.2999	23	11.6169	6.2815	68 889 9.5
5818	15	7.5332	18.8994	12	18.5332	7.1053		5867	24	22.7667	18.4497	21	11.6775	6.4296	
5819	9	9.4935	18.9885	7	20.4874	7.2764		5868	20	15.5912	19.2234	21§	4.5416	7.4826	
5820	22§	12.2847	18.6224	20	23.2936	7.0243		5869	4	17.0188	19.1277	3*	5.9639	7.3362	
5821	21§	5.3460	19.7949	17	16.3102	7.9075		5870	55§	20.5194	19.1608	47§	9.4625	7.2255	68 884 8.1
5822	19	4.1243	20.0776	10	15.0826	8.1441		5871	5	21.1480	19.0708	4	10.0850	7.1139	
5823	5	5.7045	20.8766					5872				5	13.2354	7.8387	
5824	24§	6.6390	20.3472	20	17.5811	8.5149		5873	10	24.6767	19.4322	12	13.6248	7.3375	
5825	11	7.5290	20.1978	6	18.4752	8.4021		5874	9	14.6789	20.6405	9	3.6868	8.9368	
5826	23	9.1550	20.7165	18	20.0785	8.9865		5875	4*	17.6629	20.8664	5	6.6769	9.0463	
5827	16	10.4337	20.1853	11	21.3780	8.5108		5876	15	19.3404	20.9127	15	8.3566	9.0248	
5828	60§	13.3696	20.0423	48§	24.3172	8.4906	68 880 8.1	5877	3*	20.1238	20.6616	4	9.1252	8.7428	
5829	9	9.7722	21.4251	5	20.6659	9.7220		5878	18	22.5958	20.5866	21	11.5919	8.5689	
5830	20	10.5109	21.1663	15	21.4132	9.4930		5879	9	15.0055	21.7827	8	4.0578	10.0665	
5831	23§	7.8829	22.0880	20	18.7113	11.2043		5880	7*	18.4963	22.1373	8	7.5609	10.2795	
5832	4†	10.6576	22.7658	4*	21.4938	11.1017		5881	5*	19.7937	22.7104	8	8.8773	10.8050	
5833	5*	10.7558	23.5468	4*	21.5604	11.8850		5882	6	19.8979	22.7654	9	8.9843	10.8553	
5834	5*	3.5333	24.5247	5	14.3019	12.5629		5883	5*	23.2200	22.2178	10	12.2817	10.1769	
5835	4*	9.1702	24.5375	4*	19.9352	12.8101		5884	9*	17.0125	23.9112	12	6.1470	12.1161	
5836	22	9.4024	24.0985	20	20.1846	12.3779		5885	15	18.6336	24.4094	19	7.7867	12.5466	
5837	8	13.2325	24.1943	8	24.0040	12.6322		5886				8	10.4933	13.8443	
5838	11	5.9070	25.1462	7	16.6486	13.2790						72§	2.3536	8.3917	68 880 8.1
5839	8*	6.8884	25.5506	7	17.6113	13.7246		59	22.5313	26.2750				69 873 9.0	
	72§	2.9416	24.9356				68 876 8.5								
	169§	1.3156	26.0270				69 850 5.2								
R.A. 16 <sup>h</sup> 40 <sup>m</sup> to 16 <sup>h</sup> 50 <sup>m</sup>								R.A. 16 <sup>h</sup> 50 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2057. 1894, May 21.				R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.				Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.				R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
5840	13	14.4135	14.3969	5*	3.1760	2.7076	° m.	5887	16	7.7790	14.8287	15	19.0120	2.7802	° m.
5841	7	15.0123	14.7431					5888	51§	9.3654	14.4830	62§	20.6124	2.4946	68 900 8.3
5842	65§	22.8665	14.1470	69§	11.6107	2.1258	68 888 7.5	5889	12	12.7652	14.2014	5*	24.0171	2.3524	
5843	40§	24.0560	14.5457	36§	12.8136	2.4755	68 890 9.3	5890	84§	5.0863	15.0502	89§	16.3170	2.8906	68 893 7.7
5844	10	24.6039	14.2668	8	13.3510	2.1746		5891	12	6.7881	15.2979	7	18.0025	3.2075	
5845	8	14.7384	15.8384	5	3.5592	4.1350		5892	9	7.5270	15.7079	5	18.7278	3.6461	
5846	8	15.2767	15.2376	3*	4.0714	3.5129		5893	60§	8.8909	15.3947	65§	20.1014	3.3880	68 899 8.0
5847	10	15.3515	15.1547	4*	4.1473	3.4322		5894	6	10.5040	15.9788				
5848	8	15.5122	15.5582	4*	4.3225	3.8287		5895	15	5.9471	16.0871	13	17.1334	3.9623	
5849	36§	17.1944	15.8588	44§	6.0110	4.0565	68 882 9.3	5896	21§	6.4695	16.3133	23	17.6468	4.2065	
								5897	25§	8.0695	16.1064	24	19.2531	4.0650	68 897 9.5
								5898	12	8.5309	16.3178	9	19.7052	4.2953	

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

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## ZONE + 68°.

R.A. 16 <sup>h</sup> 50 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 10 <sup>m</sup>							
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.				R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.				Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.				R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
5899	16	8·8130	16·0538	12	19·9983	4·0455	° m.	5953	19	21·7560	14·0615	19	10·5456	1·9660	° m.
5900	5	9·3103	16·5778	2*	20·4784	4·5875		5954	11	14·7323	14·0945	9	3·5272	2·2751	
5901	51§	10·2171	16·0318	60§	21·4021	4·0799	68 901 9·0	5955	4*	18·8380	14·3041	5*	7·6356	2·3246	
5902	13	13·9343	16·2662	4*	25·1081	4·4619		5956	6*	19·6203	14·2499	8	8·4168	2·2378	
5903	21§	3·0722	17·2558	18	14·2122	5·0145		5957	6	20·2123	14·6699	10	9·0245	2·6344	
5904	31§	11·1405	17·6303	42§	22·2609	5·7107	68 903 9·1	5958	10*	20·6264	15·0351	13	9·4558	2·9865	
5905	4	13·7476	17·0210					5959	3*	21·9599	14·6694	4*	10·7688	2·5653	
5906	7	4·5970	18·6323	5	15·6805	6·4518		5960	4*	19·1589	15·4551	6*	8·0024	3·4639	
5907	18	9·7764	18·2492	19	20·8731	6·2758		5961	2*	20·6399	15·5047	7	9·4855	3·4534	
5908	23§	10·9013	18·9510	27	21·9683	7·0230	68 902 9·3	5962	3*	22·4359	15·6788	7	11·2881	3·5542	
5909	26§	12·9148	18·5977	36	23·9948	6·7462	68 907 9·5	5963	17	22·6168	16·0080	19	11·4802	3·8759	
5910	6	8·0163	19·1111	3	19·0800	7·0661		5964	3*	23·0713	15·7751	6	11·9251	3·6282	
5911	22§	8·6143	19·9985	23	19·6406	7·9763		5965	19§	15·3874	16·6903	24§	4·2866	4·8450	68 910 9·5
5912	19§	12·8118	19·9790	17	23·8384	8·1271		5966	18§	15·4584	16·7037	23	4·3562	4·8551	
5913	6	13·8750	19·2451					5967	3*	16·2527	16·1901	5*	5·1270	4·3124	
5914	4	5·8186	20·2983	6	16·8364	8·1640		5968	12	16·5368	16·6317	13	5·4328	4·7405	
5915	36§	5·9458	20·8753	31§	16·9385	8·7458	68 895 9·1	5969	4*	17·7152	16·4004	7*	6·5994	4·4641	
5916	10	7·3946	20·3384	12	18·4099	8·2680		5970	2*	18·4209	16·0609	4*	7·2928	4·0954	
5917	16	8·9446	20·7496	15	19·9408	8·7413		5971	5*	19·1874	16·1401	9	8·0612	4·1457	
5918	22§	8·9481	20·7182	23	19·9475	8·7115	68 898 9·5	5972	3*	19·6048	16·1926	5*	8·4792	4·1800	
5919	20	9·7111	20·3547	20	20·7235	8·3759		5973	40§	20·1576	16·7148	40§	9·0513	4·6789	68 914 8·8
5920	19	11·5094	20·2581	22	22·5241	8·3521		5974	6	21·7860	16·1282	9	10·6571	4·0313	
5921	6	6·6920	21·6693	5	17·6524	9·5716		5975				10	12·0890	4·8096	
5922	9	6·8348	21·7443	9	17·7916	9·6509		5976	5*	23·2110	16·9786	10	12·1127	4·8254	
5923	10	7·7463	21·7347	8	18·7015	9·6773		5977				6	13·5263	4·5505	
5924	42§	7·9240	21·5385	44§	18·8881	9·4901	68 896 8·4	5978				4	13·6953	4·1202	
5925	11	10·4924	21·7006	9	21·4502	9·7529		5979				4	13·9125	4·9591	
5926	5	12·6269	21·0787					5980	4*	14·5909	17·1410	6*	3·5074	5·3245	
5927	9	5·0218	22·5601	8	15·9498	10·3925		5981	4*	16·5474	17·6589	4*	5·4832	5·7679	
5928	10	5·0968	22·5140	9	16·0245	10·3480		5982	14	17·8670	17·2553	17	6·7846	5·3109	
5929	4	6·9763	22·1473	5	17·9174	10·0625		5983	15§	17·9208	17·6675	19§	6·8558	5·7215	
5930	23	11·1167	22·8676	24	22·0265	10·9463		5984	21§	17·9908	16·9563	29§	6·8961	5·0063	
5931	53§	11·3703	22·6838	56§	22·2870	10·7698	68 904 8·6	5985	4*	18·5854	17·3870	7	7·5094	5·4137	
5932	16	11·9472	22·2265	12	22·8816	10·3363	68 905 9·5	5986	2*	18·8959	17·2490	5	7·8171	5·2647	
5933	6	12·0522	22·1815	3*	22·9921	10·2948		5987	4	20·0388	17·5179	7	8·9650	5·4839	
5934	5	7·1000	23·3676	4*	17·9896	11·2826		5988	14	21·2444	18·0598	18§	10·1899	5·9818	
5935	18	10·2880	23·2597	19	21·1831	11·3008		5989	10	14·6018	18·4062	11	3·5679	6·5890	
5936	10	12·2476	23·0955	8	23·1484	11·2198		5990	13	19·6376	18·8985	16§	8·6189	6·8848	68 913 9·5
5937	81§	13·6583	23·8677	87§	24·5263	12·0478	68 908 7·5	5991	3*	20·4399	18·4744	7	9·4058	6·4294	
5938				4	14·6959	12·5051		5992	6*	20·4701	18·4714	11	9·4333	6·4234	
5939				4	15·8136	12·0460		5993				3†	9·4376	6·7470	
5940				4	17·2098	12·9083		5994	10†	21·9701	18·5645	13	10·9348	6·4561	
5941	4*	7·6929	24·1029	6	18·5536	12·0442		5995	6	15·7190	19·6184	12	4·7324	7·7553	
5942	17	8·8827	24·6429	16	19·7231	12·6279		5996	7	16·2036	19·4182	11	5·2067	7·5371	
5943	4	9·9850	24·2392	6	20·8429	12·2707		5997	5*	18·7179	19·9466	6	7·7418	7·9660	
5944	61§	12·0602	24·1737	69§	22·9166	12·2867	68 906 8·3	5998				6	9·4064	7·5431	
5945	21	13·1890	24·8566	25	24·0173	13·0158		5999				6	11·0637	7·5297	
5946	10	13·3978	24·7679	9	24·2281	12·9360		6000				5	13·9775	7·8332	
5947				21	14·0510	12·7867		6001	12	14·1127	20·7073	15	3·1710	8·9048	
5948	38	3·2250	25·0253	16	14·0645	12·7768	68 891 9·3	6002	12	16·2665	20·8452	14	5·3280	8·9630	
5949	4	3·8039	25·6913	8	14·6024	13·4756		6003	15	19·9639	20·3711	15	8·9990	8·3404	
5950	51§	8·1894	25·9312	43§	18·9778	13·8867	69 878 8·9	6004	6*	20·9048	20·0887	12	9·9311	8·0218	
5951	7	8·4511	25·8065	8	19·2455	13·7770		6005	4*	21·7889	20·9706	10	10·8501	8·8716	
5952	7*	12·5177	25·4449	7	23·3262	13·5764		6006	9	23·2054	20·9990	17	12·2657	8·8424	
								6007	5*	23·2165	20·5080	11	12·2578	8·3526	
				50§	16·4768	1·1855	68 894 8·9	6008	6	14·0550	21·2155	13	3·1328	9·4156	
				68§	23·1117	1·0957	67 979 8·8	6009	3*	14·6254	21·3940	6	3·7093	9·5725	
								6010	24§	14·7984	21·2878	29§	3·8787	9·4618	68 909 9·5
								6011	20§	15·1469	20·8439	22§	4·2078	9·0010	

No. 5947, 5948. Plate 2058. The images are not separable and have been measured as one mass.

1 réseau interval represents very nearly 5' = 53·4 of R.A. at Dec. + 68°, and 55·8 at Dec. + 69°.

## ZONE + 68°.

R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2058. 1894, May 21.				R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.				Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.				R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
6012	20 <sup>s</sup>	15°7253	21°3999	25 <sup>s</sup>	4°8088	9°5363	68° 911 9°5	6058	6	5°0923	15°5154	8	16°3009	3°4121	68 923 9°5
6013	11	16°0505	21°0542	15	5°1197	9°1808		6059	3*	5°3609	15°6137	3	16°5656	3°5239	
6014				6	6°3566	9°6043		6060	24 <sup>s</sup>	6°0348	15°8063	28 <sup>s</sup>	17°2322	3°7436	
6015	4*	20°1894	21°6934	9	9°2781	9°6555		6061	4	6°8987	15°6955	4	18°1011	3°6676	
6016				2	11°0897	9°5586		6062	22 <sup>s</sup>	7°5398	15°7313	29 <sup>s</sup>	18°7386	3°7283	
6017				4	13°0470	9°4201		6063	11	10°7276	15°8786	14	21°9158	4°0073	
6018	7	14°8037	22°7416	11	3°9379	10°9123		6064	6	11°1605	15°0000	7	22°3856	3°1478	
6019	5*	15°2054	22°2371	8	4°3213	10°3950		6065	22 <sup>s</sup>	12°1858	15°9412	32 <sup>s</sup>	23°3730	4°1294	
6020				5	4°9083	10°7299		6066	5	13°5554	15°9763	5*	24°7375	4°2243	
6021	7*	15°9254	22°5387	10	5°0525	10°6655		6067	3*	2°9618	16°2905	5	14°1390	4°1057	
6022	12	18°2941	22°4204	13	7°4143	10°4543	6068	3*	3°0433	16°0276	3*	14°2313	3°8443		
6023	8*	20°2330	22°9131	12	9°3730	10°8687	6069	22 <sup>s</sup>	3°2344	16°1413	19	14°4211	3°9638		
6024	29	22°1625	23°1026	22 <sup>s</sup>	11°3058	10°9858	6070	7	7°3198	16°8941	9	18°4723	4°8837		
6025	19	24°4393	22°8434	20 <sup>s</sup>	13°5710	10°6350	68 915 9°5	6071	22 <sup>s</sup>	7°7340	16°4936	27	18°9015	4°5012	
6026	17 <sup>s</sup>	15°6408	23°8020	18 <sup>s</sup>	4°8196	11°9412		6072	7	8°7181	16°6405	8	19°8777	4°6862	
6027	7	16°9309	23°2367	11	6°0839	11°3255		6073	8	8°8750	16°8580	10	20°0260	4°9130	
6028	9	17°0000	23°8005	11	6°1786	11°8869		6074	7	11°2299	16°5146	9	22°3918	4°6612	
6029	14	19°1122	23°7315	15 <sup>s</sup>	8°2848	11°7335		6075	3	11°7783	16°2164	4*	22°9565	4°3853	
6030	11	22°3519	23°6238	17	11°5166	11°5000		6076	33 <sup>s</sup>	12°2326	16°6549	51 <sup>s</sup>	23°3876	4°8437	
6031	9	22°5854	23°1909	17	11°7320	11°0575		6077	39 <sup>s</sup>	3°2283	17°9930	41 <sup>s</sup>	14°3386	5°8120	
6032	23	15°1251	23°9858	25 <sup>s</sup>	4°3086	12°1439		6078	11	6°1895	17°2154	11	17°3280	5°1573	
6033				6	4°3733	12°7842		6079	9	6°4678	17°7115	10	17°5863	5°6647	
6034	8	18°0570	24°6861	13	7°2655	12°7265		6080	2*	6°8594	17°4997	4	17°9863	5°4708	
6035				4	9°3734	12°5224	6081	3	8°4069	17°9224	4	19°5136	5°9553		
6036				6	9°6959	12°4218	6082	14	9°5497	17°2429	18 <sup>s</sup>	20°6842	5°3223		
6037				8	10°3355	12°9680	6083	3*	10°0372	17°5270	4	21°1572	5°6279		
6038				7	10°8917	12°6932	6084	6	10°7749	17°7716	8	21°8860	5°9018		
6039	3*	14°9794	25°7030	7	4°2334	13°8647	6085	6	12°2495	17°3948	7	23°3761	5°5842		
6040				5	7°1835	13°5764	6086	5	13°4264	17°9770	7	24°5297	6°2151		
6041	3*	18°5099	25°0508	9	7°7335	13°0754	6087	3*	3°0277	18°7045	6	14°1065	6°5195		
6042				7	8°0359	13°1676	6088				4	14°3950	6°3373		
6043				9	8°8226	13°7431	6089	3*	5°3673	18°0015	4	16°4749	5°9130		
6044	10*	21°4318	25°8258	15 <sup>s</sup>	10°6819	13°7302	6090	5	6°3716	18°2039	7	17°4701	6°1502		
6045	7*	21°5249	25°7026	13	10°7710	13°6051	6091	3*	7°9733	18°9855	4	19°0340	6°9983		
6046	24	21°5591	25°3604	24 <sup>s</sup>	10°7919	13°2621	6092	2*	8°6312	18°2148	4	19°7277	6°2541		
6047				13	11°8111	13°8713	6093	4	9°0737	18°9617	6	20°1384	7°0193		
6048				8	12°3497	13°5862	6094	5	9°1265	18°5055	6	20°2082	6°5690		
							6095	2*	9°1181	18°5040	3*	20°2058	6°5650		
				55 <sup>s</sup>	5°9853	1°9648	6096	2	10°9318	18°2213	5	22°0245	6°3580		
				69 <sup>s</sup>	1°2546	12°4535	6097	16	3°1141	19°3015	18 <sup>s</sup>	14°1682	7°1158		
				82 <sup>s</sup>	2°8373	12°0837	6098	7	3°2113	19°8909	13	14°2387	7°7135		
	55 <sup>s</sup>	25°3978	18°0540				68 916	9°2	6099	5	3°2552	19°4974	8	14°3031	7°3200
	73 <sup>s</sup>	25°6376	25°1425				68 917	9°0	6100	7	4°7932	19°7576	9	15°8288	7°6437
	85 <sup>s</sup>	26°8260	25°7952				68 920	8°0	6101	22 <sup>s</sup>	4°9388	19°5886	24 <sup>s</sup>	15°9823	7°4783
R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup>								6102	4	7°3813	19°8749	6	18°4115	7°8634	68 919 9°5
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.				R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.				6103				3	19°0465	7°5806	
Plate 2682. 1895, June 16.				Plate 2671. 1895, June 8.				6104	4†	11°3438	19°6480	7	22°3793	7°7980	
6049	9	9°6815	13°9670	14	20°9495	2°0553	68 921 9°5	6105	3*	11°3506	19°5657	6	22°3906	7°7190	
6050	4	3°0799	14°3742	3*	14°3397	2°1957		6106	3	12°2093	19°8871	5	23°2332	8°0750	
6051	2*	3°8769	14°6963	2*	15°1205	2°5516		6107	4	13°0654	19°0015	6*	24°1249	7°2239	
6052	19 <sup>s</sup>	5°6698	14°3688	24 <sup>s</sup>	16°9253	2°2940		6108	8	3°0634	20°9060	12	14°0542	8°7167	
6053	17	6°4575	14°4858	18 <sup>s</sup>	17°7076	2°4421		6109	18	4°2363	20°8910	19 <sup>s</sup>	15°2278	8°7518	
6054	7	11°1241	14°5959	6*	22°3651	2°7411		6110	22 <sup>s</sup>	6°6923	20°6913	24 <sup>s</sup>	17°6874	8°6531	
6055	8	11°5712	14°3134	7*	22°8248	2°4775		6111	4	7°1048	20°4391	4	18°1092	8°4177	
6056	8	12°5195	14°4511	9*	23°7665	2°6548		6112	2*	8°0158	20°0841	3†	19°0374	8°1041	
6057	6	4°5355	15°2961	7	15°7545	3°1742		6113	17	8°3193	20°7483	21	19°3130	8°7756	
								6114	4	8°8277	20°6044	6	19°8278	8°6542	68 926 9°0
								6115	28 <sup>s</sup>	10°2820	20°5762	39 <sup>s</sup>	21°2804	8°6813	
									6116	4	11°1851	20°8574	7	22°1724	9°0025

No. 6025, B. D. 68° 915. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.																	
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			Plate 2682. 1895, June 16.			Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			Plate 2682. 1895, June 16.			Plate 4029. 1898, June 19.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.										
								No.																		
								Mag.																		
6117	7	5.2214	21.5564	9	16.1826	9.4560	°	m.	6164	13	16.0245	15.0721	17	4.7240	3.2982	°	m.									
6118	5	10.1584	21.5619	7	21.1165	9.6636			6165	8	18.9083	15.1203	7	7.6087	3.2215											
6119				6	14.0650	10.1926			6166	4	19.1665	15.4358	3†	7.8793	3.5244											
6120	5	4.8668	22.1692	7	15.8055	10.0538			6167	4	21.2208	15.3914	3*	9.9289	3.3944											
6121	4*	5.3831	22.6882	6	16.2994	10.5970			6168	13	22.9436	15.0035	13	11.6318	2.9318											
6122	5	5.7270	22.9256	8	16.6309	10.8475			6169	5†	23.8159	15.8868	4	12.5453	3.7760											
6123	11	6.8424	22.7851	17	17.7542	10.7514			6170	5	24.1670	15.8339	4	12.8898	3.7082											
6124	6	7.2136	22.0195	8	18.1537	10.0008			6171	5	14.2475	16.6223	3*	3.0174	4.9279											
6125	5	7.9130	22.4627	8	10.8350	10.4723			6172	3	16.3025	16.5577	2*	5.0688	4.7671											
6126	4	7.9302	22.0853	5	18.8670	10.0953			6173	6	20.3576	16.4752	6	9.1107	4.5146											
6127	33§	9.2769	22.5543	38	20.1935	10.6190	68	925	9.5	6174	7	14.7326	17.8366	6	3.5511	6.1169										
6128	5	10.2785	22.0435	7	21.2158	10.1522			6175	4	16.2685	17.8000	3	5.0852	6.0145											
6129	19§	10.7627	22.3953	20§	21.6836	10.5223			6176	5	16.4032	17.8428	4	5.2197	6.0530											
6130	5	11.4847	22.1516	6	22.4175	10.3072			6177	13	16.8190	17.6354	14	5.6263	5.8251											
6131	11	12.3206	22.0882	16	23.2559	10.2776			6178	6	19.2650	17.2807	4	8.0546	5.3648											
6132	17	13.5014	22.7574	23	24.4083	10.9958			6179	3	19.2673	17.2993	2*	8.0588	5.3846											
6133	39§	4.3014	23.6938	32§	15.1770	11.5536	68	918	9.2	6180	11	19.4958	17.7283	10	8.3040	5.8026										
6134				3	15.6308	11.8578			6181	27§	21.4908	17.5720	34§	10.2903	5.5617	68	931	8.5								
6135	5	5.4370	23.0658	5	16.3332	10.9735			6182	6*	24.4205	17.2934	5	13.2067	5.1556											
6136	39§	7.1011	23.3532	39§	17.9878	11.3270	68	922	9.3	6183			4	13.8803	5.8791											
6137	6	7.5393	23.2476	8	18.4299	11.2421			6184	8	15.4617	18.3881	10	4.3017	6.6386											
6138	3*	8.1976	23.9775	4	19.0581	11.9938			6185	7	16.5277	18.6213	9	5.3790	6.8236											
6139				4	19.7677	11.4051			6186	6	17.7647	18.6355	7	6.6173	6.7852											
6140	8	9.0707	23.6192	11	19.9430	11.6748			6187	17	18.4513	18.2448	16§	7.2866	6.3650											
6141	3*	12.9283	23.6029	5	23.7994	11.8153			6188	3†	18.5823	18.5936	3†	7.4293	6.7046											
6142				3	21.7398	12.2057			6189	8	19.0825	18.4237	7	7.9206	6.5154											
6143	2*	11.1158	24.5665	4	21.9485	12.7061			6190	7	20.6071	18.8501	7	9.4635	6.8748											
6144	3*	12.3965	24.5739	3*	23.2272	12.7658			6191	3	21.2913	18.0955	4	10.1167	6.0888											
6145	50§	4.0375	25.0360	42§	14.8578	12.8845	68	917	9.0	6192	4	22.5276	18.9383	3	11.3884	6.8794										
6146	26	5.1836	25.4736	23§	15.9850	13.3681			6193	6	22.9390	18.9278	5	11.7970	6.8503											
6147	49§	5.2752	25.5909	44§	16.0688	13.4880	68	920	8.0	6194	16	24.8893	18.0005	15§	13.7070	5.8423										
6148	6	7.2898	25.8058	9	18.0738	13.7881			6195	5†	24.9320	18.0617	5	13.7517	5.9017											
6149				4	18.4235	13.5388			6196	4	14.7882	19.4654	5	3.6724	7.7378											
6150	4*	8.7970	25.9175	6	19.5770	13.9627			6197	12	16.7417	19.4440	12§	5.6291	7.6348											
6151	4	9.5805	25.2266	7	20.3869	13.3025			6198	25§	20.8670	19.4626	28§	9.7500	7.4755	68	930	8.8								
6152	9	11.4041	25.5451	14*	22.1963	13.6945			6199	8	21.6958	19.4049	6	10.5735	7.3841											
6153				4	22.9065	13.2415			6200				4	12.3687	7.1852											
6154				5	23.5699	13.7936			6201				4	13.0215	7.7840											
6155	56§	13.4865	25.6498	68§	24.2731	13.8806	69	906	7.9	6202	7	25.0343	19.1697	6	13.9010	7.0038										
				43§	26.8451	1.5943	67	1007	9.3	6203	32§	15.0423	20.5182	32§	3.9788	8.7824	68	929	9.0							
				46§	26.0400	8.8205	68	929	9.0	6204	4†	15.5647	20.1947	4†	4.4852	8.4351										
	47§	13.2895	26.4347				69	905	8.7	6205	5	16.1325	20.8387	5	5.0797	9.0553										
R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup>									R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°																	
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			Plate 2682. 1895, June 16.			Plate 4029. 1898, June 19.			Plate 2682. 1895, June 16.			Plate 4029. 1898, June 19.											
Plate 2682. 1895, June 16.									Plate 2682. 1895, June 16.									Plate 4029. 1898, June 19.								
6156	4	14.7645	14.9355	6*	5.1883	2.3661	°	m.	6214	8	16.7439	21.7558	10	5.7300	9.9451	°	m.									
6157	9	16.5278	14.1629	5*	6.5418	2.8255			6215	4	19.8142	21.6774	4†	8.7902	9.7355											
6158	5	17.8637	14.6778	8	10.6769	2.1725			6216	4†	20.7466	21.7921	4†	9.7275	9.8069											
6159	8	22.0208	14.2023						6217	8	21.7948	21.8716	8	10.7810	9.8448											
6160	3	22.0890	14.4367						6218	(12)	23.4602	21.0075	(10)	12.4078	8.9047											
6161	15	23.1657	14.4734	14	11.8303	2.3948			6219	51§	23.5185	21.0105	54§	12.4624	8.9060	68	932	8.2								
6162	15	23.1669	14.4874	14	11.8310	2.4060			6220	6	14.5914	22.9680	6	3.6309	11.2539											
6163	4	15.1703	15.3893	4	3.8848	3.6547			6221	6	14.9292	21.8485	5	3.9198	10.1173											
									6222	4	15.9145	22.5148	5	4.9331	10.7406											

No. 6218. The 6<sup>min.</sup> image on both plates coincides with the 20<sup>sec.</sup> image of No. 6219, and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly  $5' = 53''.4$  of R.A. at Dec. + 68°, and  $55''.8$  at Dec. + 69°.

ZONE + 68°.

R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 30 <sup>m</sup> to 17 <sup>h</sup> 40 <sup>m</sup> —contd.											
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2682. 1895, June 16.				Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 4029. 1898, June 19.				Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2683. 1895, June 16.				Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 4029. 1898, June 19.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
							No. Mag.								No. Mag.				
6223	19§	17°0460	22°2666	19§	6°0508	10°4419	°	m.	6267	8	8°0290	18°8668	7	18°9878	6°9155	°	m.		
6224	5	19°9103	22°9987	3	8°9456	11°0520			6268	3	9°0874	18°6631	3*	20°0530	6°7457				
6225	5*	14°1039	23°0372	5	3°1487	11°3428			6269	11	9°8793	18°3820	11	20°8558	6°4947				
6226	6	17°4069	23°4056	7	6°4637	11°5644			6270	6	10°4160	18°1934	6	21°3977	6°3244				
6227	6	18°1239	23°3967	6	7°1799	11°5249			6271	20§	12°0373	18°7119	22§	22°9990	6°9021				
6228	9	19°1190	23°3721	7	8°1699	11°4561			6272	3	12°9366	18°6384	3*	23°9009	6°8558				
6229				3	13°0500	11°8358			6273	3	12°9538	18°7902							
6230	4†	15°3852	24°8188	4†	4°5044	13°0663			6274	19§	13°1109	18°7751	19	24°0702	7°0015	68	950	9°5	
6231	17	17°7393	24°9855	14§	6°8633	13°1333			6275	3*	5°8315	19°6874	2*	16°7605	7°6574				
6232	9	18°5363	24°1957	8§	7°6239	12°3056			6276	7	7°8845	19°7732	8	18°8111	7°8158				
6233	4†	20°7521	24°5369	4	9°8515	12°5533			6277	4	8°8293	19°5458	4	19°7636	7°6220				
6234	13	21°8383	24°9948	13§	10°9598	12°9621			6278	4*	9°0993	19°1262	3*	20°8590	7°2376				
6235	17	22°2126	24°5494	16§	11°3147	12°5019			6279	26§	10°6833	19°1216	30§	21°6296	7°2500	68	946	9°1	
6236	4*	22°5189	24°6184	4	11°6203	12°5550			6280	60§	10°8666	19°1707	60§	21°8159	7°3194	68	947	7°9	
6237	4*	22°4939	24°9826	4†	11°6100	12°9176			6281	18§	11°4609	19°1266	18	22°4106	7°2948				
6238	44§	23°7209	24°8027	40§	12°8295	12°6858	68	933	8°6	6282	4	13°8625	19°3608	4	24°8036	7°6118			
6239				4†	5°2786	13°6144			6283	19	5°5539	20°8931	17	16°4435	8°5553				
6240	4*	21°1384	25°6069	5	10°2846	13°6036			6284	5	10°0245	20°9670	3	20°9102	9°0856				
6241	8*	23°7986	26°0556	11	12°9620	13°9376			6285	55§	10°6961	20°4831	51§	21°5963	8°6255	68	945	7°7	
									6286	6	11°3666	20°6738	5	22°2608	8°8398				
				34§	4°1703	1°5150	67	1007	9°3	6287	3	11°4125	20°2699	3	22°3210	8°4362			
				42§	1°0000	5°0438	68	928	9°2	6288	4	11°5604	20°1862	4	22°4715	8°3566			
				60§	2°6403	13°9750	69	906	7°9	6289	8	12°9207	20°7035	6	23°8117	8°9237			
	60§	25°0711	24°5587				68	934	8°7	6290	14	13°6717	20°6540	18	24°5665	8°8967			
	59§	26°0180	24°0338				68	935	7°5	6291	4	3°7641	21°3423	7	14°6372	9°2411			
	47§	19°6305	26°7959				69	916	8°5	6292	42§	5°3458	21°3332	40§	16°2201	9°2859	68	937	8°3
	38§	20°6632	26°7937				69	919	9°3	6293	8	5°4470	21°9197	7	16°2999	9°8760			
										6294	4	7°2153	21°5039	4	18°0808	9°5230			
										6295	8	7°8721	21°7606	8	18°7296	9°8039			
										6296	6	9°4163	21°3755	6	20°2880	9°4729			
										6297	36§	10°0518	21°0028	38§	20°9354	9°1228	68	942	9°0
										6298	5	11°0433	21°0598	6	21°9240	9°2138			
										6299	16	13°1031	21°9070	17	23°9510	10°1324			
										6300				3	16°0218	10°8110			
										6301	8	6°0810	22°2381	8	16°9217	10°2163			
										6302	15	9°5114	22°3157	15	20°3483	10°4150			
										6303	4	11°7127	22°7473	5	22°5319	10°9224			
										6304	8	13°6448	22°3087	7	24°4806	10°5510			
										6305	3	13°9172	22°2021	3*	24°7576	10°4540			
										6306	55§	4°3114	23°9057	50§	15°0933	11°8219	68	935	7°5
										6307	3*	8°6339	23°8611	5	19°4165	11°9282			
										6308	6	9°1829	23°4548	5	19°9805	11°5413			
										6309	126§	11°2956	23°5768	127§	22°0896	11°7411	68	949	4°8
										6310	57§	3°4062	24°5024	40§	14°1705	12°3852	68	934	8°7
										6311	34§	8°1483	24°0280	30§	18°9237	12°0779	68	939	9°2
										6312	14	9°1403	24°8619	13§	19°8863	12°9456			
										6313	52§	9°4066	24°3663	52§	20°1696	12°4608	68	941	8°3
										6314	38§	10°1952	24°3194	36§	20°9610	12°4395	68	944	9°0
										6315	7*	3°3536	25°2251	5	14°0906	13°1100			
										6316	5*	6°7426	25°9050	6	17°4516	13°9089			
										6317	16	8°0610	25°8526	11	18°7737	13°8996			
										6318	30§	8°0900	25°6246	21§	18°8110	13°6723			
										6319	38§	9°1099	25°4435	36§	20°8362	13°5616	68	943	9°3
										6320	7	11°6621	24°8351	8	22°4089	13°0088			
										6321	40§	13°1307	25°4759	(36)	23°8542	13°7018	69	936	9°2
										6322	9	13°2755	25°2363	8	24°0070	13°4632			
										62§	1°5773	21°0833				68	932	8°2	
										60§	2°0764	24°8490				68	933	8°6	

No. 6255. *f* Draconis.

No. 6309.  $\omega$  Draconis.

Plate 4029. No. 6321. The 6<sup>min.</sup> image is partly covered by a trail and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly  $\zeta' = 53^{\text{h}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{h}}.8$  at Dec.  $+ 69^{\circ}$ .



## ZONE + 68°.

R.A. 17 <sup>h</sup> 40 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup>							R.A. 17 <sup>h</sup> 40 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							
Plate 2683. 1895, June 16.			Plate 3529. 1897, June 12.				Plate 2683. 1895, June 16.			Plate 3529. 1897, June 12.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
6323	19§	14.6222	14.6120	21	3.4203	2.8613	°	m.	6382	24§	19.0595	22.0870	32§	8.1802	10.1350	68° 956	m.
6324	6	17.7318	14.7170	6	6.5320	2.8278			6383	11	20.0458	22.3799	8	9.1799	10.3817		9.5
6325	6	19.5435	14.5497						6384	4*	22.9925	22.7510	4	12.1340	10.6224		
6326	3	19.6517	14.4043						6385	17	23.2112	22.9467	16	12.3660	10.8117		
6327	4	21.9788	14.8925						6386	15	15.6026	23.2126	14	4.7753	11.4088		
6328	23§	22.2323	14.4793	26§	11.0173	2.3957			6387	4*	15.7997	23.2995	4	4.9765	11.4874		
6329	11	23.0559	14.9325	13	11.8598	2.8123			6388	11	17.5004	23.6242	9	6.6901	11.7359		
6330	6	23.2442	14.5833	6	12.0338	2.4570			6389	21§	17.7705	23.0986	21§	6.9365	11.1989		
6331	21§	23.9533	14.4224	23§	12.7348	2.2642			6390	3*	18.5435	23.5631	3	7.7313	11.6323		
6332	20§	16.2062	15.5735	26§	5.0460	3.7519			6391	2*	21.7798	23.2975	2*	10.9451	11.2255		
6333	19§	18.2195	15.2999	26§	7.0455	3.3889			6392	11	14.1689	24.6381	10	3.4036	12.8963		
6334	4	19.5750	15.7411	3*	8.4167	3.7680			6393	8	14.2741	24.3246	7	3.4990	12.5812		
6335	5	20.0205	15.7170	4	8.8625	3.7268			6394	17	15.3736	24.2755	18	4.5927	12.4804		
6336	6	20.5200	15.7131	6	9.3615	3.7008			6395	11	21.4830	24.2683	11	10.6972	12.2059		
6337	23§	20.5266	15.3593	30§	9.3514	3.3490	68 958	9.3	6396	6*	22.5730	24.0720	6	11.7789	11.9628		
6338	23§	14.0175	16.0825	31§	2.9198	5.2576			6397	11	22.8965	24.9134	9	12.1382	12.7895		
6339	20§	15.7200	16.4274	26§	4.5978	4.6253			6398	6	23.1235	24.3105	6	12.3390	12.1780		
6340	4	15.9853	16.8263	10	4.8814	5.0128			6399	5*	24.7141	24.4108	6	13.9405	12.2051		
6341	6	15.9860	16.8229						6400	6	15.3543	25.2128	6	4.6163	13.4196		
6342	4	16.4163	16.2310	3*	5.2825	4.3979			6401	6	16.3535	25.7174	6	5.6338	13.8799		
6343	2	16.6224	16.3976						6402	31§	16.9623	25.1528	34§	6.2212	13.2874	68 953	9.1
6344	3	18.3796	16.5062	3*	7.2579	4.5873			6403				4	11.1023	13.7667		
6345	7	19.5345	16.8021	8	8.4219	4.8329			6404	15	22.4214	26.0563	15	11.7129	13.9540		
6346	3*	24.6233	16.5821	4	13.4985	4.3896			6405	16	23.2224	25.4745	19§	12.4853	13.3343		
6347	11	16.6448	17.1221	11	5.5520	5.2818							29§	2.1282	5.4937	68 951	9.5
6348	13	17.8061	17.2440	13	6.7143	5.3522							45§	2.4042	13.7812	69 936	9.2
6349	6	18.8638	17.5913	6	7.7881	5.6536										68 963	7.4
6350	9	19.0682	17.1648	10	7.9715	5.2173			87§	24.9342	22.7263						
6351	6	20.4252	17.5891	5	9.3488	5.5806											
6352	20§	20.9610	17.3407	24§	9.8723	5.3061	68 959	9.5									
6353	10	24.3487	17.7121	9	13.2723	5.5283											
6354	5	14.1959	18.6411	4*	3.1728	6.9061											
6355	20§	15.4933	18.9948	24	4.4812	7.2018	68 952	9.5									
6356	8	18.0719	18.1430	8	7.0205	6.2368											
6357	21§	22.0345	18.9264	20§	11.0145	6.8477			6406	13	3.8359	13.9850	12	15.0987	1.8345		
6358	9	22.2061	18.3753	8	11.1625	6.2862			6407	7	10.0752	14.0891	8	21.3278	2.1843		
6359	7	22.7735	18.4707	6	11.7308	6.3584			6408	32§	11.6239	14.2732	50§	22.8671	2.4277	68 968	8.3
6360	69§	24.5164	18.5730	84§	13.4784	6.3832	68 961	7.7	6409	17	12.1305	14.4807	27§	23.3648	2.6569	68 969	9.5
6361	4	14.5495	19.7227	2*	3.5739	7.9831			6410	5*	2.8271	15.3958	5*	14.0318	3.2022		
6362	3	15.8723	19.0518	3*	4.8602	7.2424			6411	10	4.8366	15.2747	10	16.0448	3.1619		
6363	22§	18.6490	19.3381	28§	7.6487	7.4028	68 954	9.5	6412	6	5.7412	15.1489	5*	16.9548	3.0716		
6364	10	22.3801	19.1453	8	11.3692	7.0513			6413	8	5.8117	15.6574	6*	17.0068	3.5832		
6365	4*	23.6167	19.5404	4	12.6229	7.3889			6414	13	6.3896	15.3375	11	17.5975	3.2853		
6366	35§	24.9691	19.3535	36§	13.9663	7.1455	68 962	9.2	6415	4*	7.8941	15.8098	4*	19.0788	3.8182		
6367	8	14.1908	20.2838	8	3.2396	8.5449			6416	10	8.6236	15.4764	10	19.8209	3.5139		
6368	18	19.0310	20.6941	20§	8.0916	8.7446	68 955	9.5	6417	6	9.8813	15.9468	5*	21.0594	4.0330		
6369	2*	20.7573	20.1516	3*	9.7923	8.1247			6418	4	10.6547	15.2012	3*	21.8588	3.3236		
6370	8	20.8151	20.2486	8	9.8553	8.2216			6419	21§	5.6093	16.2642	25§	16.7788	4.1783		
6371	22§	21.2783	20.9810	24§	10.3459	8.9331	68 960	9.5	6420	23§	6.5268	16.9368	27§	17.6669	4.8862	68 964	9.5
6372	12	22.9820	20.6252	8	12.0332	8.5033			6421	5	7.4417	16.2049	5*	18.6118	4.1934		
6373	5	23.4626	20.0690	4	12.4899	7.9232			6422	8	8.1291	16.9011	10	19.2702	4.9172		
6374	7	14.4237	21.2457	6	3.5108	9.4987			6423	7	9.4011	16.6252	5*	20.5553	4.6877		
6375	6	15.6044	21.6260	6	4.7090	9.8267			6424	6	10.7959	16.0679	5*	21.9703	4.1866		
6376	6	15.8435	21.6401	6	4.9483	9.8312			6225	13	10.9210	16.6995	15	22.0690	4.8254		
6377	7	18.1518	21.3071	6	7.2399	9.3954			6426	6	12.0380	16.5500	5*	23.1928	4.7168		
6378	22§	20.2523	21.2356	23§	9.3371	9.2328	68 957	9.5	6427	4	13.1536	16.8729					
6379	14	21.9493	21.1855	15	11.0272	9.1091			6428	3*	5.0626	17.9401	3*	16.1651	5.8322		
6380	6	14.9365	22.3746	4	4.0724	10.5999			6429	16§	5.4638	17.3090	15	16.5915	5.2171		
6381	9	18.7311	22.6553	6	7.8770	10.7161			6430	4*	5.6212	17.1613	4*	16.7571	5.0755		

No. 6371. B. D. 68° 960. The R. A. given in the B. D. appears to be about 40° too large.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 2684. 1895, June 16. Plate 3529. 1897, June 12.							Plate 2684. 1895, June 16. Plate 3529. 1897, June 12.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
6431	5	6.6009	17.4650	3*	17.7209	5.4170	6490	5*	10.8027	24.1216	6	21.6558	12.2364
6432	4	8.2924	17.7146	4	19.3996	5.7343	6491	3*	10.9387	24.8171	4*	21.7648	12.9381
6433	20§	9.7344	17.3322	23§	20.8574	5.4097	6492	4*	11.1016	24.0785	6*	21.9583	12.2041
6434	18§	13.9728	17.9494	28	25.0692	6.1949	6493	4*	11.1326	24.0526	4*	21.9883	12.1817
6435	5*	3.5299	18.9212	5*	14.5968	6.7511	6494	7*	7.1090	25.6746	10	17.9016	13.6437
6436	4	4.9588	18.8763	4	16.0213	6.7660	6495	9	7.4393	25.7005	11	18.2317	13.6828
6437	6	6.2660	18.1604	5	17.3624	6.1003	6496	6*	8.5319	25.6246	9	19.3275	13.6499
6438	18§	6.5680	18.5091	21§	17.6479	6.4623	6497	5*	8.5368	25.2920	8	19.3445	13.3152
6439	3*	8.4019	18.1931	2*	19.4938	6.2202	6498	4*	13.3717	25.5783	7	24.1657	13.7947
6440	7	8.5203	18.4249	6	19.6017	6.4527							
6441	4	12.2428	18.4916	4*	23.3188	6.6694					58§	26.6881	9.2531
6442	19§	12.8151	18.5394	23§	23.8898	6.7386					48§	24.9708	12.3329
6443	7*	3.4582	19.0525	6	14.5183	6.8818		72§	2.3983	18.5978		68 972	7.7
6444	5	5.2650	19.4261	5*	16.3113	7.3251		35§	8.8570	26.7335		68 970	8.9
6445	6	5.3646	19.9353	4†	16.3862	7.8381						68 961	7.7
6446	16	6.6569	19.6899	18§	17.6879	7.6446						69 954	9.0
6447	15	7.1310	19.2632	14	18.1797	7.2368							
6448	8	10.2198	19.7674	8	21.2482	7.8627							
6449	15	10.7584	19.6188	17	21.7902	7.7368							
6450	6	13.9058	19.0926	5*	24.9603	7.3354							
6451	5*	3.4882	20.6735	4*	14.4798	8.5031							
6452	4*	3.9572	20.3587	4*	14.9633	8.2083							
6453	11	3.9753	20.1012	6	14.9895	7.9508							
6454	7	6.4794	20.6317	5	17.4739	8.5792							
6455	16	7.7914	20.9648	10	18.7737	8.9630							
6456	7	8.3342	20.5151	4	19.3325	8.5349							
6457	33§	9.4075	20.1355	40§	20.4179	8.2012	68 965	8.5					
6458	3*	10.8548	20.6383	3*	21.8502	8.7587							
6459	6	11.4870	20.8958	4*	22.4683	9.0421							
6460	7	12.4752	20.2253	6	23.4848	8.4102							
6461	4*	12.7423	20.6256	3*	23.7321	8.8196							
6462	20	4.3013	21.8514	20§	15.2488	9.7114							
6463	4	9.2468	21.0168	4*	20.2263	9.0760							
6464	85§	3.1574	22.7002	92§	14.0758	10.5139	68 963	7.4					
6465	11	7.0123	22.8298	9	17.9186	10.7971							
6466	6	7.9813	22.0648	4†	18.9165	10.0692							
6467	20§	8.8706	22.4922	23§	19.7887	10.5337							
6468	7	9.8283	22.6138	6*	20.7424	10.6940							
6469	9	10.0568	22.1679	6	20.9873	10.2553							
6470	22§	11.3237	22.4141	29§	22.2449	10.5499	68 966	9.5					
6471	11	13.0915	22.6254	8*	24.0018	10.8344							
6472	8*	3.9937	23.1601	6	14.8849	11.0063							
6473	5*	4.6037	23.0126	6	15.5030	10.8850							
6474	29§	6.3569	23.7618	22§	17.2263	11.7026							
6475				4	17.9508	11.9388							
6476	12	8.0203	23.2702	11	18.9092	11.2778							
6477	7	8.6925	23.9473	6	19.5535	11.9815							
6478	4*	9.8962	23.3874	4*	20.7775	11.4468							
6479	4*	10.5596	23.6286	3*	21.4292	11.7348							
6480				4	21.5400	11.5848							
6481	40§	11.4856	23.8790	48§	22.3484	12.0243	68 967	9.0					
6482	25§	12.1210	23.8673	27§*	22.9804	12.0351							
6483	5*	3.9175	24.2336	4*	14.7678	12.0771							
6484	4*	5.3343	24.0469	4*	16.1890	11.9421							
6485	25	7.1326	24.2999	24§	17.9805	12.2672							
6486	6*	9.9942	24.2259	5	20.8420	12.3114							
6487	4*	10.0322	24.3716	4*	20.8757	12.4563							
6488	4	10.1833	24.8202	6	21.0080	12.9145							
6489	4*	10.1987	24.7956	5	21.0240	12.8873							
R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup>							R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup>						
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°							Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						
Plate 2684. 1895, June 16. Plate 2680. 1895, June 12.							Plate 2684. 1895, June 16. Plate 2680. 1895, June 12.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
6499	4	14.5532	14.7287				6500	13	18.5393	14.5176	6	7.4639	2.5257
6501	3	19.5566	14.5222				6502	4	21.0682	14.3751			
6503	12	21.2396	14.6727				6504	6	21.7089	14.2346	5	10.1686	2.5664
6505	12	22.8198	14.7420				6506	4	16.5983	15.4098	5	11.7485	2.5728
6507	11	17.2661	15.9945				6508	9	17.3913	15.4782	3*	6.3599	3.5329
6509	4	24.6576	15.2363				6510	7	16.6669	16.6455			
6511	5	20.7346	16.9209				6512	9	22.0150	16.2699	4	11.0068	4.1340
6513	14	14.6887	17.6095				6514	14	15.7299	17.9728	7	3.7439	5.7720
6515	28§	17.6676	17.7290				6516	4	18.7658	17.4702	10	4.7971	6.0932
6517	3	19.3129	17.7356				6518	21§	20.5096	17.8482	24§	6.7234	5.7677
6519	4	21.2545	17.5847				6520	3	21.5486	17.0050			
6521	7	14.0393	18.2146				6522	5	16.0762	18.3988			
6523	5	16.8649	18.0643				6524	8	18.0516	18.1998	3*	5.1601	6.5004
6525	9	18.6268	18.8112				6526	12	19.3967	18.0523	3*	7.1283	6.2244
6527	10	22.7061	18.0435				6528	39§	23.6576	18.9082	5	7.7250	6.8085
6529	8	24.2254	18.0078				6530	3	20.9169	19.1980	6	8.4627	6.0218
6531	5	23.0155	19.7425				6532	26§	23.6777	19.6044	3	11.7721	5.8751
6533	29§	15.2610	20.5746				6534	41§	15.7120	20.9384	25§	12.7580	6.7007
6535	10	16.2630	20.8072				6536	13	21.2778	20.5208	4	13.2872	5.7766
6537	6	22.2972	20.2969				6538	6	22.2972	20.2969	3*	12.1485	7.5622



## ZONE + 68°.

R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						
Plate 2684. 1895, June 16.				Plate 2680. 1895, June 12.					Plate 2685. 1895, June 16.				Plate 2680. 1895, June 12.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
6538	28 $\frac{1}{2}$	22°8340	20°6258	15 $\frac{1}{2}$	12°0045	8°4540	68°	976	9.1	6585	22 $\frac{1}{2}$	12°4893	15°2273	14	23°8719	3°4024	68°	990	9.5
6539	7	23°2551	20°8201	3	12°4326	8°6274				6586	22 $\frac{1}{2}$	12°9143	15°2799	12	24°2910	3°4710	68	991	9.5
6540	49 $\frac{1}{2}$	24°2919	20°8654	28 $\frac{1}{2}$	13°4739	8°6275	68	978	8.2	6587	5	13°6421	15°4753						
6541	14 $\frac{1}{2}$	15°1087	21°9765	8	4°3422	10°1179				6588	4	13°9173	15°8613						
6542	3	15°5965	21°4151							6589	9	2°7682	16°8210	4*	14°0952	4°6222			
6543	4	17°0330	21°1566							6590	18 $\frac{1}{2}$	4°2085	16°2182	10	15°5585	4°0736			
6544	24 $\frac{1}{2}$	17°9183	21°3263	18	7°1246	9°3530				6591	12	4°5893	16°7254	7	15°9187	4°5961			
6545	6	19°0048	21°2083	2*	8°2050	9°1935				6592	14 $\frac{1}{2}$	5°4244	16°6888	6	16°7543	4°5911			
6546	17	22°0550	21°1918	8	11°2492	9°0474				6593	16 $\frac{1}{2}$	6°0408	16°1152	8	17°3937	4°0373			
6547	4	15°1207	22°5885							6594	4	6°9363	16°0008						
6548	23 $\frac{1}{2}$	17°7936	22°6598	15	7°0510	10°6876				6595	8	7°1515	16°5394	3*	18°4884	4°5052			
6549	6	16°6356	23°4349							6596	4	7°9485	16°3958						
6550	3	17°8961	23°8949							6597	4	8°0788	16°9083						
6551	18	18°0388	23°1554	8	7°3188	11°1744				6598	5	9°2989	16°8277						
6552	20 $\frac{1}{2}$	22°0993	23°5315	8	11°3918	11°3855				6599	6	9°8156	16°5145						
6553	4*	22°5658	23°2955	3	11°8448	11°1266				6600	4	10°3769	16°6645						
6554	40 $\frac{1}{2}$	14°1206	24°0850	34 $\frac{1}{2}$	3°4390	12°2640	68	970	8.9	6601	7	11°1099	16°0055						
6555	8	14°6503	24°7594	4	4°0000	12°9193				6602	5	11°5565	16°7978						
6556	22 $\frac{1}{2}$	17°5722	24°9748	11	6°9263	13°0120				6603	4	12°0373	16°0638						
6557	9	17°7700	24°6731	4	7°1105	12°7017				6604	7	12°2111	16°4368						
6558	5	18°2496	24°9162							6605	10	12°8212	16°0828						
6559	4	18°2978	24°5648							6606	4	13°0887	16°4364						
6560	7*	22°7895	24°0422	4*	12°1024	11°8650				6607	20 $\frac{1}{2}$	13°5505	16°2275	12	24°8926	4°4409			
6561	8	14°2012	25°5129	4	3°5854	13°6871				6608	5	13°7725	16°5740						
6562	16	14°6171	25°2512	7	3°9885	13°4082				6609	6	2°9061	17°5140	3*	14°2093	5°2470			
6563	7	17°6257	25°7915	4	7°0145	13°8245				6610	7	4°4503	17°4774						
6564	22	21°4929	25°4981	9	10°8672	13°3754				6611	6	4°8222	17°4193						
										6612	6	5°3152	17°0010						
	41 $\frac{1}{2}$	25°5733	23°7492	52 $\frac{1}{2}$	13°3710	1°4934	67	1052	7.5	6613	5	5°9299	17°1070						
	22	19°9229	26°0320				68	980	9.0	6614	5	6°4903	17°3927						
							68	975	9.5	6615	7	8°1706	17°5313						
										6616	6	10°2444	17°1858						
										6617	6	11°4505	17°2891						
										6618	4	12°3001	17°6386						
										6619	42 $\frac{1}{2}$	12°6861	17°8964	31	23°9653	6°0758			
										6620	4	2°7993	18°9870						
										6621	15	2°9695	18°7727	5	14°2198	6°5819			
										6622	6	4°2350	18°9309						
										6623	16 $\frac{1}{2}$	4°8307	18°3341	8	16°0992	6°2123			
										6624	7	7°8804	18°5263						
										6625	4	8°7529	18°4447						
										6626	8	9°6097	18°5085	3*	22°3252	6°3758			
										6627	8	11°0633	18°2560						
										6628	4	12°1299	18°7540						
										6629	6	12°4821	18°3031						
										6630	5	13°4223	18°9955						
										6631	16	2°8210	19°3184	6	14°0498	7°1203			
										6632	8	5°2104	19°1558						
										6633	29 $\frac{1}{2}$	5°9627	19°0478	20 $\frac{1}{2}$	17°2002	6°9710	68	981	9.1
										6634	6	6°0120	19°0990	3†	17°2493	7°0243			
										6635	16 $\frac{1}{2}$	6°5999	19°4839	8	17°8189	7°4293			
										6636	13	7°7133	19°8640	6	18°9193	7°8519			
										6637	4	8°0899	19°0548						
										6638	6	8°9395	19°0519						
										6639	3	11°6464	19°1225						
										6640	6	11°8919	19°5961						
										6641	6	11°9386	19°5789						
										6642	20 $\frac{1}{2}$	12°3610	19°1501	15	23°5898	7°3152			
										6643	8	4°4823	20°5949	4*	15°6630	8°4574			

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2685. 1895, June 16.				R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2680. 1895, June 12.				Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2685. 1895, June 16.				R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3251. 1896, Sept. 23.				
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
B. D.								B. D.								
No.				Mag.				No.				Mag.				
6644	5	4.8224	20.2101					6698	4	15.4659	14.7224	2*	4.3274	2.9459		
6645	9	4.8910	20.5497	4	16.0737	8.4293		6699	4	15.9322	14.6064	3	4.7857	2.8094		
6646	4	6.0857	20.1954					6700	4†	20.9337	14.8746					
6647	6	6.4687	20.7677					6701	14	23.0202	14.4719	12	11.8633	2.3760		
6648	4	7.0820	20.4404					6702	5	23.2479	14.2654	4†	12.0834	2.1625		
6649	7	7.4304	20.1454	3*	18.6246	8.1227		6703	14	24.5883	14.3703	12	13.4277	2.2089		
6650	13	8.9292	20.2858	5	20.1195	8.3194		6704	4	14.5703	15.0480					
6651	6	9.6152	20.5537					6705	7	15.5086	15.6871	5*	4.4102	3.9061		
6652	22§	10.5451	20.8065	16	21.7123	8.9028	68 987	9.5	6706	5	15.6765	15.9695	4	4.5913	4.1848	
6653	6	12.4022	20.4961					6707	11	16.9638	15.6249	13	5.8347	3.7850		
6654	17§	13.0944	20.1842	8	24.2865	8.3765		6708	5	19.0874	15.3082	4*	7.9721	3.3760		
6655	23	3.3184	21.8691	9	14.4498	9.6884	68 979	9.5	6709	24§	21.7050	15.6905	25§	10.6004	3.6488	
6656	4†	4.9792	21.1095					6710	23§	22.1337	15.5099	25§	11.0205	3.4510		
6657	10	7.4709	21.6419	4	18.6094	9.6193		6711	4	23.3135	15.1797	4	12.1865	3.0717		
6658	45§	7.5409	21.2379	38§	18.6950	9.2179	68 982	8.7	6712	6	24.5386	15.6715	7	13.4304	3.5118	
6659	14	8.4406	21.3742	8	19.5893	9.3860		6713	7	14.0837	16.4426	4*	3.0186	4.7239		
6660	13	8.4545	21.1915	5	19.6109	9.2056		6714	5	15.5069	16.3869					
6661	5	9.0360	21.8154					6715	22§	15.8133	16.4463	25§	4.7470	4.6528	68 993	9.5
6662	22§	10.1980	21.0832	19	21.3555	9.1648	68 986	9.5	6716	10	15.9021	16.5236	9	4.8399	4.7258	
6663	15§	10.8076	21.1634	8	21.9618	9.2658		6717	9	16.9965	16.1714	9	5.9153	4.3271		
6664	5	12.1466	21.1084					6718	7	19.4566	16.5906	6	8.3916	4.6435		
6665	11	13.9308	21.4258	6†	25.0715	9.6513		6719	9	19.5594	16.1718	9	8.4781	4.2209		
6666	6	4.0998	22.3996	3*	15.2092	10.2494		6720	29§	19.9621	16.5351	26§	8.8958	4.5668	68 996	9.1
6667	6	4.1428	22.2852	3*	15.2584	10.1364		6721	2	22.7508	16.7736	3†	11.6959	4.6870		
6668	7	5.3702	22.3938	4*	16.4824	10.2870		6722	6	24.6311	16.5224	7	13.5612	4.3573		
6669	10	6.0773	22.0790					6723	6	16.5592	17.6708	5	5.5409	5.8460		
6670	6	8.1856	22.2754	2*	19.2999	10.2785		6724	6	16.7017	17.7985	(3)	5.6908	5.9696		
6671	14	8.8421	22.2913	6	19.9543	10.3223		6725	3	19.0433	17.0961					
6672	84§	9.4409	22.5754	68§	20.5420	10.6282	68 984	6.0	6726	15§	19.3093	17.2667	15	8.2727	5.3246	
6673	5	9.6326	22.7298					6727	4	19.3502	17.2785	4	8.3172	5.3365		
6674	5	10.7857	22.7544					6728	5	20.7994	17.2377	4	9.7610	5.2344		
6675	86§	11.2906	22.3472	74§	22.4001	10.4681	68 989	6.8	6729	12	21.2663	17.9663	12	10.2605	5.9429	
6676	4	11.3453	22.1970					6730	7	21.4044	17.5653	5	10.3803	5.5371		
6677	11	11.6258	22.2536	7	22.7370	10.3855		6731				5	11.9598	5.0258		
6678	4	12.7369	22.7658					6732	4	23.7741	17.8456	6	12.7601	5.7144		
6679	11	13.1743	22.7768	5*	24.2609	10.9742		6733	27§	23.8981	17.7293	25§	12.8773	5.5924	68 999	9.3
6680	36§	3.8095	23.6228	17	14.8721	11.4580	68 980	9.0	6734	4	14.3801	18.3973				
6681	9	4.9135	23.4259	5	15.9843	11.3049		6735	11	14.5254	18.9068	11	3.5661	7.1680		
6682	7	6.8664	23.1024	3†	17.9472	11.0566		6736	3	15.7004	18.1630					
6683	8	6.9456	23.4462	4	18.0115	11.4031		6737	9	17.3003	18.2433	8	6.3098	6.3848		
6684	4	7.6538	23.7653					6738	4	19.7497	18.8492	3	8.7800	6.8861		
6685	6	8.2194	23.3651					6739	20§	19.7648	18.5275	20§	8.7803	6.5650		
6686	13	8.6136	23.7433	6	19.6699	11.7647		6740	4	19.9556	18.2763	4	8.9633	6.3053		
6687	20§	12.5548	23.8770	12	23.6007	12.0470		6741	12	21.0440	18.6340	11	10.0663	6.6207		
6688	5	12.6831	23.3256					6742	37§	14.9553	19.9226	40§	4.0325	8.1625	68 992	9.2
6689	7	10.3711	24.4552	3	21.3992	12.5421		6743	14	15.7597	19.5657	14	4.8229	7.7723		
6690	24§	11.1032	24.4464	13	22.1305	12.5572		6744	5	16.8452	19.4944	5	5.9048	7.6542		
6691	18§	11.8590	24.0480	8	22.9011	12.1936		6745	22§	18.3760	19.0553	24§	7.4179	7.1499		
6692	11	11.9853	24.5400	5	23.0070	12.6890		6746	20§	19.8841	19.2109	21§	8.9302	7.2430		
6693	4	12.5632	24.0230					6747	23§	22.8911	19.3977	21§	11.9423	7.3037		
6694	4	12.9295	24.4169					6748	4	23.7854	19.4088	6	12.8393	7.2750		
6695	15	13.4102	24.5368	7	24.4309	12.7388		6749	7	15.3372	20.0490	8	4.4243	8.2735		
6696	5*	5.7056	25.4868	4*	16.6940	13.3947		6750	4	15.3499	20.4937	4	4.4562	8.7177		
6697	35§	10.0105	25.4444	20§	21.0000	13.5145	68 985	9.5	6751	5	15.6118	20.1765	5	4.7024	8.3890	
									6752	11	17.7080	20.2312	10	6.8005	8.3554	
	45§	1.5115	18.9483				68 977	8.5	6753	4*	17.8888	20.1969	4	6.9805	8.3121	
	47§	2.3003	20.8491				68 978	8.2	6754	9	18.4964	20.3094	9	7.5915	8.3983	
									6755	23§	19.1262	20.5063	23§	8.2299	8.5711	
									6756	4	20.3242	20.3663	5	9.4212	8.3773	

Plate 3251. No. 6724. The 6<sup>min.</sup> image is on the *réseau* line and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

1 *réseau* interval represents very nearly 5' = 53".4 at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> —contd.							R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 40 <sup>m</sup> —contd.										
Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°			R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°							
Plate 2685. 1895, June 16.			Plate 3251. 1896, Sept. 23.				Plate 452. 1892, June 29.			Plate 3251. 1896, Sept. 23.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
6757	10	21.8356	20.1177	10	10.9186	8.0674	68 997	9.1	6809	4*	12.4293	14.7853	8	23.6726	2.9888	68 1007	9.2
6758	14	14.3349	21.5614	12	3.4848	9.8257			6810				5	14.2878	3.6041		
6759	6	14.8694	21.6709	6	4.0245	9.9150			6811	3*	3.5930	15.2905	6	14.8233	3.1439		
6760	10	15.0475	21.0043	9	4.1737	9.2420			6812				3	14.8988	3.1079		
6761	13	15.5935	21.3643	13	4.7342	9.5792			6813	4*	5.9163	16.0538	6	17.1181	3.9945		
6762	4	16.4346	20.8863	4	5.5550	9.0642			6814	3*	9.8633	15.0584	6	21.0998	3.1584		
6763	7	17.7121	21.7878	7	6.8699	9.9105			6815	9	12.1868	14.8806	18	23.4264	3.0731		
6764	4	18.1570	21.8240	5	7.3169	9.9273			6816	13	12.5322	15.6868	22	23.7414	3.8930		
6765	19§	18.1936	21.4378	18§	7.3377	9.5395			6817				4	14.4374	4.8256		
6766	5	19.6391	21.0783	5	8.7657	9.1212			6818	17	4.2429	16.2723	19	15.4345	4.1461		
6767	38§	20.6433	21.3648	33§	9.7806	9.3647	6819	16	5.2082	16.7361	18	16.3806	4.6534				
6768	11	21.8252	21.9469	12	10.9855	9.8951	68 994	9.0	6820	3*	5.7390	16.8340	6	16.9082	4.7685	68 1009	9.5
6769	10	23.6527	21.8703	10	12.8100	9.7422			6821	21	8.8192	16.5154	23§	19.9980	4.5729		
6770	4	15.5403	22.0668	4	4.7100	10.2841			6822	17	12.8623	15.8490	21	24.0635	4.0658		
6771	4	16.2130	22.2384	5	5.3899	10.4231			6823				4	14.7931	5.6813		
6772	4	17.5209	22.0915	4*	6.6917	10.2169			6824	4*	4.1023	18.0342	7	15.2248	5.9018		
6773	5	18.3211	22.0738	6	7.4886	10.1673			6825	17	4.9240	17.3371	18	16.0737	5.2424		
6774	3*	19.7545	22.6520	3	8.9492	10.6858			6826				5	19.9513	5.1443		
6775				2	8.9898	10.8222			6827	4	9.8142	17.5028	9	20.9508	5.5967		
6776	10	14.7504	23.6382	9	3.9888	11.8843			6828	30§	10.2445	17.1471	35§	21.3999	5.2592		
6777	4*	15.9930	23.3812	4	5.2173	11.5749			6829	6	10.5747	17.8356	8	21.7005	5.9630		
6778	6	18.7132	23.2313	6	7.9298	11.3101	68 998	9.5	6830	6	10.9530	17.6323	9	22.0872	5.7720	68 1002	9.5
6779	3	20.2507	23.3094	4	9.4704	11.3244			6831	9	13.2444	17.0133	10	24.3999	5.2446		
6780				4	13.1609	11.2889			6832				4	16.6024	6.5640		
6781				4	13.6791	11.0155			6833	6	5.9570	18.5997	9	17.0545	6.5428		
6782	29§	24.5740	23.4247	19§	13.7945	11.2549			6834	2*	6.2259	18.6646	4	17.3213	6.6175		
6783	18§	14.3529	24.8269	17§	3.6413	13.0901			6835	18	6.2771	18.6829	18§	17.3705	6.6412		
6784	12	15.5884	24.3570	13	4.8557	12.5654			6836	2*	6.5099	18.7656	5	17.6011	6.7328		
6785	15	16.3727	24.5073	15	5.6477	12.6840			6837	38§	9.0710	18.3750	34§	20.1735	6.4395		
6786	39§	16.3882	24.2664	37§	5.6504	12.4419			6838	20§	9.8811	18.8814	23§	20.9675	6.9780		
6787	9	17.2393	24.9010	8	6.5293	13.0408			6839	5*	10.3339	18.5899	8	21.4295	6.7041		
6788				3	7.5706	12.4244	68 999	9.5	6840	21	13.1894	18.6623	27§	24.2800	6.8932	68 1003	7.3
6789	6	18.4280	24.9798	7	7.7198	13.0706			6841	2*	13.9819	18.6009	4	25.0677	6.8739		
6790	16	18.8772	24.0028	13	8.1292	12.0753			6842	15	3.6842	19.1518	15	14.7624	7.0043		
6791	4*	19.6293	24.1560	5	8.8850	12.1951			6843	4*	5.0039	19.5117	6	16.0675	7.4156		
6792	4*	20.0930	24.7125	5	9.3743	12.7343			6844	10	5.9333	19.8444	12	16.9810	7.7852		
6793				4	9.8540	12.5075			6845				4	17.7347	7.9740		
6794	15	21.0407	24.8165	15	10.3224	12.7955			6846				2	18.0610	7.4114		
6795	26§	21.1957	24.0290	18§	10.4455	12.0030			6847	3	10.7160	19.3717	7	21.7796	7.5033		
6796	9	21.5474	24.8863	11	10.8338	12.8448			6848	4	11.2953	19.0396	9	22.3746	7.1957		
6797				7	13.7630	12.7364			6849	6*	12.4573	19.0433	8	23.5329	7.2438		
6798	31§	14.8425	25.6128	26§	4.1646	13.8543	68 1000	9.5	6850	6	12.6723	19.2272	12	23.7395	7.4354		
6799	9	15.4960	25.7493	10	4.8221	13.9625			6851				3	14.1033	8.7891		
6800	8	22.2545	25.7292	10	11.5765	13.6577			6852				6	14.1723	8.7568		
6801				4	11.9753	13.6883			6853				5	14.3361	8.8683		
6802	16	23.6952	25.0537	15	12.9875	12.9197			6854	16	4.7477	20.5233	17	15.7705	8.4148		
6803				4	13.8922	13.8054			6855	63§	6.3087	20.4397	53§	17.3322	8.3952		
	58§	24.8733	21.2835						6856				4	21.2117	8.6379		
									6857	9	12.7094	20.6148	14	23.7246	8.8241		
									6858	8	12.8701	20.4323	11	23.8912	8.6459		
									6859	7	13.4624	20.5635	11	24.4795	8.8012		
							6860	54§	3.0078	21.2793	43§	14.0045	9.1038				
							6861				5	14.2493	9.9518				
							6862				4	14.5520	9.3138				
6804	12	4.0868	14.1026	13	15.3614	1.9748	68 1001	8.3	6863	5	3.6693	21.7954	7	14.6412	9.6462		
6805	4*	5.3829	14.8292	6	16.6293	2.7553			6864				5	14.7295	9.1545		
6806	5*	5.7610	14.8352	7	17.0090	2.7751			6865				5	14.8075	9.7914		
6807	11	7.1394	14.0761	17	18.4165	2.0708			6866	14	4.4062	21.5669	14	15.3894	9.4461		
6808	6*	11.9514	14.6876	6	23.1998	2.8698			6867	3*	6.3841	21.6172	6	17.3615	9.5757		

ZONE + 68°:

R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 40 <sup>m</sup> —contd.									R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup> —contd.													
Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							
Plate 452. 1892, June 29.					Plate 3251. 1896, Sept. 23.					Plate 452. 1892, June 29.					Plate 3540. 1897, June 14.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.						
								No.	Mag.									No.	Mag.			
6868	10	7.5001	21.0801	14	18.4995	9.0848	°	m.	6921	11	24.9350	14.5335	10	13.6925	2.3359	°	m.					
6869	12	8.5185	21.5991	16	19.4986	9.6406			6922	5*	14.5609	14.8940	5*	3.3404	3.1382							
6870	3*	10.4991	20.9993	4	21.4990	9.1182			6923	4*	16.0342	15.7331	5*	4.8491	3.9121							
6871				4	24.0243	9.5064			6924	7	18.6627	15.2363	9	7.4570	3.3038							
6872	4*	4.0774	22.2829	8	15.0303	10.1463			6925	6*	19.4789	15.1382	6	8.2664	3.1701							
6873	4	4.2954	22.6869	8	15.2313	10.5618			6926	28§	22.3374	15.7347	22§	11.1494	3.6439	68 1021	9.5					
6874	4	8.1043	22.4276	6	19.0510	10.4540			6927	20	22.5572	16.0673	14	11.3826	3.9670	68 1022	9.4					
6875				3	19.3426	10.7538			6928	8*	15.0022	16.1328	10	3.8371	4.3517							
6876	6	8.8361	22.6012	10	19.7737	10.6551			6929	16	15.3703	16.5312	14	4.2202	4.7387	68 1016	9.5					
6877	5	9.4767	21.9443	9	20.4395	10.0240			6930	14*	17.0102	16.0346	11	5.8373	4.1697							
6878	7	10.7859	22.2243	9	21.7393	10.3549			6931	3*	17.3410	16.0777	5*	6.1704	4.1999							
6879	19	10.8119	22.4787	22§	21.7513	10.6112	68 1010	9.5	6932	20§	19.2070	16.8744	20	8.0680	4.9160							
6880	6	10.9700	22.8196	9	21.8992	10.9590			6933	22§	19.9369	16.7069	20§	8.7899	4.7185							
6881	19	12.1705	22.6944	20§	23.1034	10.8772			6934	5*	20.3772	16.6592	6	9.2289	4.6508							
6882	23	12.2039	22.6441	25§	23.1395	10.8313	68 1012	9.3	6935				4	12.3655	4.4571							
6883	2*	3.6952	23.3712	4	14.6006	11.2237			6936	25	24.1342	16.5148	22§	12.9782	4.3465	68 1024	9.3					
6884				4	18.5797	11.6109			6937	4*	25.0287	16.3920	6	13.8652	4.1909							
6885	2*	8.0734	22.4294	6	18.9795	11.4531			6938	10	17.2421	17.2906	11	6.1233	5.4138							
6886				3	19.0927	11.7772			6939	2*	24.4612	17.8385	4*	13.3574	5.6533							
6887	12	9.7402	22.9204	13	20.6650	11.0085			6940	11	14.1263	18.6457	10	3.0676	6.8997							
6888	42§	13.2237	23.6064	44§	24.1196	11.8346	68 1014	8.5	6941	18	15.0851	17.8107	19	3.9900	6.0248							
6889				7	14.4486	12.4170			6942	5	17.9222	18.5762	8	6.8573	6.6698							
6890	5*	4.0049	24.8195	9	14.8578	12.6785			6943	4*	18.8291	18.6713	4*	7.7684	6.7268							
6891	5*	5.0059	24.6789	10	15.8613	12.5814			6944	3*	21.8920	18.5181	3*	10.8208	6.4420							
6892				4	16.1101	12.2448			6945	7	21.8956	18.5938	7	10.8298	6.5210							
6893	25	5.3425	24.4177	20§	16.2111	12.3344			6946	19	22.2396	18.6902	15§	11.1777	6.6038							
6894	3*	6.0529	24.2774	7	16.9282	12.2210			6947	7	22.2604	18.5210	6	11.1891	6.4343							
6895	7	6.9478	24.1351	10	17.8292	12.1136			6948	5*	24.6347	18.4666	6	13.5597	6.2745							
6896				5	19.3175	12.5999			6949	4*	14.5127	18.7718	6	3.4598	7.0110							
6897	25§	11.5228	24.5421	25§	22.3812	12.7012	68 1011	9.3	6950	19§	15.1830	19.3444	17§	4.1507	7.5524							
6898	2*	12.9854	24.6861	4	23.8397	12.9034			6951	4*	16.6312	18.9906	5	5.5832	7.1405							
6899	15	13.8783	24.1326	14	24.7547	12.3846			6952	10	22.2706	20.0070	8	11.2637	7.9170							
6900	4*	3.3786	25.6747	8	14.1979	13.5146			6953	50§	24.2151	19.8824	39§	13.1980	7.7123	68 1026	8.5					
6901				7	16.8992	13.5854			6954	12	24.8093	19.6477	10	13.7830	7.4492							
6902	43§	7.1096	25.0574	33§	17.9505	13.0405	68 1004	8.9	6955	19	15.6827	20.7451	15	4.7099	8.9312							
6903				5	18.2743	13.1059			6956	8	17.7600	20.2119	7	6.7598	8.3138							
6904	4	7.7333	25.8121	6	18.5424	13.8230			6957	4*	19.1327	20.4318	4	8.1452	8.4726							
6905	3*	7.7379	25.3614	6	18.5697	13.3696			6958	9	19.8178	20.6267	10	8.8375	8.6404							
6906	52§	7.7817	25.7992	43§	18.5961	13.8067	68 1005	8.4	6959	27§	23.6157	20.3673	20§	12.6199	8.2171	68 1023	9.3					
6907	26	8.6307	25.7899	20§	19.4422	13.8342	68 1006	9.4	6960	5	16.3501	21.7953	6	5.4219	9.9522							
6908				3†	19.7108	13.5412			6961	4	18.0093	21.4238	5	7.0630	9.5121							
6909	14	9.7471	25.5145	15	20.5697	13.6003			6962	4*	18.8045	21.1070	5	7.8445	9.1622							
6910	2*	11.5566	25.3039	6	22.3892	13.4650			6963	71§	20.8511	21.4455	62§	9.9041	9.4121	68 1019	7.8					
6911	36§	13.2224	25.1299	39§	24.0568	13.3554	68 1015	8.5	6964				4	13.0610	9.1445							
R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup>									6965				4	13.7473	9.5777							
Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°			R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					6966	15	15.8025	22.3936	11§	4.8978	10.5743						
Plate 452. 1892, June 29.					Plate 3540. 1897, June 14.					6967	15	16.4080	22.1960	13	5.4945	10.3488						
6912	7	15.5846	14.7421	7*	4.3596	2.9378	°	m.	6968				5	6.0068	10.9442							
6913	28	15.7597	14.4613	27§	4.5200	2.6499	67 1089	9.1	6969	29§	20.7460	22.6131	26§	9.8485	10.5855	68 1018	9.5					
6914	44§	18.1850	14.0745	41§	6.9295	2.1614	67 1094	8.8	6970	11	15.4826	23.1111	13	4.6107	11.3044							
6915	21	19.3334	14.7457	21§	8.1030	2.7834			6971	5*	17.1262	23.1751	4*	6.2546	11.3003							
6916	8	19.5911	14.1980	8	8.3403	2.2272			6972	7	21.3947	23.4529	6	10.5300	11.3959							
6917	9	21.8944	14.4286	8	10.6508	2.3596			6973	41§	24.0691	23.2007	27§	13.1941	11.0335	68 1027	9.1					
6918	34§	23.4172	14.6172	30§	12.1795	2.4814	67 1097	9.0	6974	12	15.3199	24.0630	12	4.4880	12.2618							
6919	5*	24.1632	14.9791	4*	12.9389	2.8170			6975	9	16.8340	24.6071	8	6.0252	12.7418							
6920	11	24.5234	14.6472	11	13.2878	2.4664			6976	18	16.9180	24.8238	15	6.1182	12.9565							
									6977	42§	16.1767	25.5596	32§	5.4079	13.7216	68 1017	8.8					
																		42§	2.3730	11.8967	68 1014	8.5
																		39§	2.4366	13.4195	68 1015	8.5

1 réseau interval represents very nearly  $5' = 53^{\circ}.4$  of R.A. at Dec.  $+68^{\circ}$ , and  $55^{\circ}.8$  at Dec.  $+69^{\circ}$ .



## ZONE + 68°.

R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup>								R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2136. 1894, July 11.				Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3540. 1897, June 14.				Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2136. 1894, July 11.				Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3540. 1897, June 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.						

No. 6988. B. D. 68° 1033. The declination given in the B. D. appears to be about 2' too large.

No. 7038. B. D. 68° 1032. The declination given in the B. D. appears to be about 2' too large.

1 *red* interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°

## ZONE + 68°.

R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> —contd.							R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> —contd.						
Centre		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			Centre		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		
Plate 2136. 1894, July 11.		Plate 4050. 1898, July 8.		Plate 4050. 1898, July 8.			Plate 2136. 1894, July 11.		Plate 4050. 1898, July 8.		Plate 4050. 1898, July 8.		
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No.		Mag.		No.		Mag.	No.		Mag.		No.		Mag.
7085	3	17°2650	14°0529				7144						
7086	3	17°8164	14°7915	3*	6°5618	2°8857	7145	18	15°3449	20°6545	15§	4°3459	8°8470
7087	6	18°2457	14°6221	4	6°9815	2°6959	7146	17	15°4868	20°2512	14§	4°4708	8°4401
7088	6	19°3195	14°7530	4	8°0608	2°7848	7147	16	17°3536	20°7386	11§	6°3573	8°8445
7089	11	21°3520	15°0574	9	10°1043	2°9953	7148	3	18°2940	20°3397	3	7°2779	8°4071
7090	7	21°7070	14°3137	6	10°4293	2°2374	7149				4	9°4704	8°2055
7091	44§	22°0350	14°3310	40§	10°7514	2°2366	7150	6	20°5168	20°2273	8	9°4899	8°1954
7092	2*	22°6436	14°9945	3*	11°3896	2°8753	7151				3	12°6194	8°4138
7093	11	14°3807	14°8912	7	3°1368	3°1346	7152	53§	15°4173	20°8205	51§	4°4252	9°0105
7094	4	15°6830	15°3472				7153	3	16°3076	21°1624	3	5°3300	9°3146
7095	11	15°6873	15°6494	7	4°4715	3°8292	7154	12	17°9451	20°9800	9§	6°9532	9°0691
7096	17	17°1140	15°5197	11	5°8898	3°6415	7155	7	17°9231	21°4977	6	6°9575	9°5802
7097	21§	21°1214	15°4285	21§	9°8879	3°3752	7156	19	17°9763	21°0653	17§	6°9905	9°1455
7098	9	21°3185	15°3207	7	10°0811	3°2595	7157	15	18°9266	21°0522	14§	7°9400	9°0916
7099	9	22°6464	15°5646	8	11°4197	3°4449	7158	8	19°0315	21°4955	8	8°0613	9°5279
7100	4*	23°0854	15°1681	2*	11°8400	3°0329	7159	3	21°6243	21°1111	6	10°6384	9°0350
7101				6	13°5024	3°5673	7160				4	10°8887	9°8713
7102	19	14°8130	16°1001	17	3°6190	4°3218	7161				5	11°0490	9°2161
7103	83§	17°3073	16°0884	79§	6°1083	4°2017	7162	11	22°2196	21°2334	13	11°2384	9°1331
7104	3*	18°3828	16°2524	3*	7°1900	4°3217	7163	18	24°4447	21°2391	18§	13°4598	9°0388
7105	5†	22°0655	16°3329	5	10°8752	4°2416	7164	6	14°1448	22°3922	6	3°2209	10°6340
7106	5	22°3068	16°1131	6	11°1038	4°0100	7165	3	15°9015	22°2867	4	4°9710	10°4535
7107	11	22°5950	16°1194	11	11°3905	4°0025	7166	3*	16°5118	21°8941	5	5°5616	10°0348
7108	5	23°2439	16°2226	6	12°0480	4°0798	7167	4*	21°2125	22°9386	6	10°3061	10°8745
7109	6	23°4249	17°0638	7	12°2608	4°9117	7168	3*	21°4179	22°1599	4	10°4793	10°0896
7110				4	13°0115	4°8520	7169				4	11°7219	10°1349
7111	6	24°2842	17°1162	9	13°1196	4°9260	7170				7	3°8514	11°1817
7112	7	14°5224	17°3123	5	3°3800	5°5444	7171	7	16°0991	23°5243	8	5°2224	11°6839
7113	3	15°9563	16°9246	2*	4°7963	5°0955	7172	18	16°5406	22°9157	19§	5°6347	11°0553
7114	20§	16°0657	17°3575	20§	4°9224	5°5242	7173	2*	16°9650	23°3272	4	6°0793	11°4485
7115	4	16°0753	17°2355	3*	4°9286	5°4027	7174	34§	18°5330	23°1918	26§	7°6386	11°2441
7116	8	20°7353	17°1035	10	9°5754	5°0661	7175	6	19°3067	23°8422	8	8°4420	11°8650
7117	22§	20°9760	17°8647	19§	9°8492	5°8149	7176	36§	21°7852	23°2615	26§	10°8904	11°1735
7118	3*	21°0555	17°8826	4	9°9307	5°8319	7177				5	13°8391	11°7482
7119	21§	21°4313	17°9838	18§	10°3098	5°9150	7178	4	14°1870	24°5284	5	3°3599	12°7669
7120	7	21°9192	17°4630	6	10°7739	5°3761	7179	6	14°6460	24°5096	9	3°8133	12°7290
7121	4*	22°5852	17°6905	5	11°4509	5°5736	7180	11	14°8065	24°0130	14§	3°9515	12°2270
7122	2*	15°5730	18°5698	2*	4°4832	6°7562	7181	8	16°3100	24°4398	11	5°4715	12°5869
7123	8	16°3109	18°7839	7	5°2308	6°9363	7182				4	5°8865	12°5800
7124	3*	16°3537	18°4685	3*	5°2617	6°6183	7183	17	17°1644	23°8978	15§	6°3000	12°0115
7125	2*	16°4051	18°5805	3*	5°3192	6°7269	7184	4*	19°9655	24°9915	6	9°1439	12°9819
7126	3	16°4601	18°3455	3*	5°3612	6°4906	7185				4	10°0600	12°6702
7127	3†	17°5465	18°4215	4*	6°4490	6°5235	7186				7	11°0881	12°5530
7128	9	18°6630	18°6049	10§	7°5708	6°6549	7187	2*	23°2696	24°3287	8	12°4188	12°1798
7129	18	19°0630	18°4487	16§	7°9635	6°4823	7188				8	13°8897	12°0864
7130				3	10°1196	6°3703	7189				6	13°9109	12°9054
7131				3	10°1283	6°5044	7190	3*	17°1030	25°3007	5	6°3022	13°4185
7132	40§	22°8746	18°5556	26§	11°7746	6°4247	7191	28§	18°8358	25°2338	23§	8°0303	13°2752
7133				2	13°9101	6°1797	7192	4*	19°1854	25°5797	8	8°3911	13°6030
7134	3*	15°5168	19°2358	3*	4°4600	7°4263	7193				3	9°7343	13°6986
7135	8	15°8818	19°2128	6	4°8199	7°3846							
7136	15	16°2021	19°4751	14§	5°1522	7°6324							
7137	3*	17°4525	18°9205	4	6°3773	7°0253							
7138	14	17°6110	19°6267	12§	6°5630	7°7227							
7139	7	18°9225	19°3279	6	7°8597	7°3677							
7140				2	8°2495	7°0566							
7141				2	9°1776	7°0810							
7142				2	10°6670	7°4608							
7143				3	10°8813	7°6881							



## ZONE + 68°.

R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup>								R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2227. 1894, Sept. 18.				R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.				Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2227. 1894, Sept. 18.				R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D. No. Mag.
7194	6*	5.5440	15.0064	7	16.6989	2.9160	° m.	7253	4*	11.6339	19.5300	4*	22.6142	7.6646	° m.
7195	30§	6.6803	14.7379	34§	17.8409	2.6867	67 1131 9.3	7254	6	12.0193	18.9485	5†	23.0197	7.0948	
7196	4*	7.1941	14.6751	4*	18.3595	2.6470		7255				5	14.1165	8.0105	
7197	8	7.2170	14.0492	10	18.4037	2.0238		7256	4*	3.2350	20.6630	7	14.1781	8.4806	
7198	5*	7.3455	14.5255	4*	18.5122	2.5029		7257	3*	6.7154	20.7894	5	17.6509	8.7358	
7199	4	7.7751	14.4074	4*	18.9485	2.4003		7258	11	6.8129	20.6498	14§	17.7508	8.6023	
7200	10	11.0200	14.8604	11	22.1760	2.9745		7259	3*	12.6455	20.8154	3*	23.5775	8.9870	
7201	4*	12.0600	14.5363	3*	23.2215	2.6926		7260	11	12.7850	20.5908	12	23.7225	8.7656	
7202	38§	3.7236	15.5098	35§	14.8602	3.3477	68 1048 8.8	7261	8	12.9838	20.2274	10	23.9333	8.4097	
7203	3*	5.3752	15.4827	4*	16.5132	3.3842		7262	12	13.1270	20.3252	12	24.0765	8.5141	
7204	20§	5.6739	15.5921	24§	16.8027	3.5052	68 1051 9.3	7263	4	13.6845	20.4680	4*	24.6292	8.6770	
7205	8	8.6647	15.2275	11	19.8072	3.2527		7264				5	15.0517	9.0158	
7206	8	9.4243	15.6781	12	20.5502	3.7272		7265	36§	4.4321	22.1385	25§	15.3183	9.9963	68 1049 9.5
7207	52§	10.7956	15.7917	61§	21.9177	3.8949	68 1056 8.5	7266	13	4.6458	21.5115	16§	15.5562	9.3816	
7208	4*	12.9280	15.7719	5*	24.0505	3.9560		7267	33§	5.2659	22.0942	25§	16.1530	9.9853	68 1050 9.5
7209	9	6.5230	16.3345	12	17.6237	4.2763		7268	3*	5.3582	21.5878	4	16.2706	9.4864	
7210	5	7.9593	16.5742	6	19.0505	4.5733		7269	15	6.4745	21.6693	14§	17.3763	9.6071	68 1052 9.5
7211	20§	9.6112	16.5372	28§	20.7035	4.5945		7270				4	17.6938	9.8655	
7212	12	10.3153	16.5698	14	21.4074	4.6550		7271	11	7.5126	21.3601	12	18.4229	9.3386	68 1054 9.5
7213	4*	10.3915	15.9325	3*	21.5102	4.0250		7272				4	18.4281	9.5761	
7214	19§	12.3828	16.3159	28§	23.4835	4.4783		7273				5	19.1152	9.5944	
7215	17	12.8576	15.9148	21	23.9705	4.0972		7274	10	10.6248	21.7348	11	21.5203	9.8276	
7216	5	12.9075	16.1291					7275	15	10.8864	21.7251	19§	21.7857	9.8301	
7217	5*	13.0760	16.2980	4*	24.1732	4.4865		7276	9	13.0689	21.4850	11	23.9725	9.6718	
7218	4*	3.8745	17.9864	6	14.9158	5.8304		7277				8	14.3652	10.9973	
7219	7*	4.3250	17.9715	9	15.3670	5.8340		7278				7	16.4706	10.9648	
7220	3*	4.7885	17.7430	4*	15.8405	5.6233		7279	4*	7.2504	22.1734	5	18.1359	10.1463	
7221	5*	5.4700	17.2296	6	16.5403	5.1341		7280	5*	8.3360	22.1670	7	19.2200	10.1762	
7222	6*	6.7535	18.0185	7	17.7895	5.9690		7281	6*	8.9865	22.6439	7	19.8487	10.6755	
7223	14	7.2653	17.4172	17§	18.3274	5.3872		7282	3*	11.5771	22.6518	3*	22.4375	10.7778	
7224	4*	7.5265	17.9054	5	18.5672	5.8846		7283	21§	11.6128	22.5997	20§	22.4735	10.7299	
7225	3*	7.9095	17.7535	3*	18.9585	5.7476		7284	11	3.8418	23.5052	14§	14.6747	11.3429	
7226	13	8.2264	17.7597	18§	19.2753	5.7665		7285				7	15.0200	11.1371	
7227	3*	8.2755	17.9850	3*	19.3133	5.9925		7286				4	15.3591	11.4481	
7228	23§	8.3601	17.8820	24§	19.4011	5.8940	68 1055 9.4	7287	4*	4.7911	23.7288	8	15.6174	11.6030	
7229	19§	8.5041	17.2416	20§	19.5715	5.2593		7288				4	15.8820	11.0285	
7230	6	8.6502	17.4655	8	19.7091	5.4870		7289				8	17.7577	11.9290	
7231	3*	10.0619	17.4560	4*	21.1190	5.5327		7290	3*	8.5545	23.5900	3	19.3760	11.6038	
7232	16§	13.9438	17.0787	20	25.0125	5.2969		7291	5	10.2453	23.7289	9	21.0648	11.8065	
7233				3	14.2930	6.1979		7292	7	10.7510	23.5063	11	21.5808	11.6048	
7234	20	3.7730	19.1208	17§	14.7708	6.9603	68 1047 9.5	7293	3*	13.3645	23.7460	4*	24.1810	11.9450	
7235				5	15.3321	6.1137		7294				4	14.0785	12.5478	
7236	17	4.7593	18.1678	21§	15.7906	6.0450		7295				4	14.1265	12.4655	
7237				4	16.0160	6.1734		7296				4	15.2085	12.7835	
7238	6	5.1202	18.8147	9	16.1298	6.7046		7297				5	15.4304	12.4769	
7239	7	5.7895	18.2986	9	16.8202	6.2106		7298	4*	5.7983	24.9045	9	16.5797	12.8138	
7240	12	7.7474	18.3363	13§	18.7740	6.3253		7299	4*	6.0300	24.4123	8	16.8295	12.3309	
7241	7	9.1303	18.1364	7	20.1652	6.1738		7300	4*	7.0864	24.7746	7	17.8708	12.7340	
7242	4*	11.1521	18.8014	4*	22.1608	6.9151		7301	4*	10.5150	24.6203	6	21.3001	12.7105	
7243	4*	12.7745	18.2000	3*	23.8041	6.3770		7302	11	11.2114	24.0687	13	22.0185	12.1812	
7244	29§	13.3028	18.0707	41§	24.3362	6.2673	68 1057 9.5	7303	13	12.7671	23.8735	16	23.5807	12.0473	
7245	5*	3.3123	19.2870	8	14.3056	7.1116		7304	62§	3.2743	25.2957	43§	14.0405	13.1091	68 1046 8.0
7246	5*	3.8991	19.8959	6	14.8716	7.7422		7305				7	16.1855	13.5874	
7247	3*	6.5332	19.6732	6	17.5083	7.6122		7306	10	6.1817	25.2028	14§	16.9495	13.1266	
7248	4*	7.4323	19.9934	5	18.3988	7.9665		7307				5	17.6200	13.3374	
7249	5*	9.3933	19.5455	6	20.3728	7.5948		7308				4	18.9568	13.4665	
7250	2*	10.3133	19.4940	3*	21.2955	7.5770		7309	4*	8.4598	25.1600	6	19.2276	13.1732	
7251	4*	10.5655	19.7331	5	21.5398	7.8253		7310	3*	9.3743	25.9185	5	20.1107	13.9645	
7252	4*	10.6542	19.0310	4*	21.6540	7.1291		7311	2*	9.7599	25.4735	4	20.5178	13.5376	

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> —contd.							R.A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.						
Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2227. 1894, Sept. 18.							Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2227. 1894, Sept. 18.						
R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.							R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3271. 1896, Oct. 9.						
7312	8	12°45'13	25°15'26	15	23°21'65	13°31'25	7362	3*	21°83'51	19°67'67	4	10°73'09	7°50'56
7313	4*	12°9'000	25°44'50	9	23°6'536	13°62'27	7363	52§	22°57'91	19°47'25	46§	11°46'10	7°25'89
							7364	5	14°47'08	20°48'34	4	3°40'94	8°62'99
				40§	25°41'45	2°23'12	7365	27§	16°24'82	20°21'84	28§	5°17'30	8°28'54
				49§	26°8'395	12°69'34	7366	3*	17°75'81	20°29'10	4*	6°68'78	8°29'31
	50§	2°89'55	26°56'35				7367	6	18°07'37	20°07'01	7	6°98'80	8°05'88
							7368	15	18°90'34	20°11'90	16	7°82'03	8°06'63
							7369	25§	19°34'71	20°13'42	24§	8°26'47	8°06'42
							7370	6*	21°77'76	20°85'84	7	10°72'37	8°67'68
							7371	4*	21°89'47	20°71'28	4	10°83'30	8°52'63
							7372	10	23°65'73	20°77'82	13	12°59'86	8°51'68
							7373	5	24°33'44	20°42'91	8	13°25'92	8°14'14
							7374				4	3°39'94	9°95'42
							7375	9	16°12'96	21°03'30	10	5°09'00	9°10'50
							7376	32§	16°39'79	21°44'30	32§	5°37'80	9°50'49
							7377	19	21°99'93	21°76'05	19	10°98'60	9°57'45
							7378	7	22°12'88	22°14'22	9	11°13'22	9°95'09
							7379	8	22°73'91	21°28'23	10	11°70'05	9°06'03
							7380	38§	23°75'36	21°32'03	26§	12°72'05	9°05'37
							7381	10	24°29'11	21°51'06	16	13°26'43	9°21'77
							7382	8	15°18'25	22°63'61	10	4°21'43	10°74'66
							7383	6	15°22'95	22°16'88	6	4°24'11	10°27'85
							7384	8	15°58'18	22°47'76	10	4°60'72	10°57'40
							7385	4*	15°60'33	22°38'41	4	4°62'46	10°47'51
							7386	10	16°92'50	22°33'26	12	5°94'08	10°36'96
							7387	13	17°15'35	22°50'06	14	6°17'61	10°52'60
							7388	20§	18°28'45	22°38'54	20	7°30'06	10°35'93
							7389	8	19°13'63	22°59'59	8	8°16'41	10°53'33
							7390	26	19°69'67	22°81'95	21§	8°73'24	10°73'24
							7391	40§	20°69'38	22°84'19	32§	9°72'90	10°71'10
							7392				6	10°82'05	10°78'45
							7393				3	12°75'00	10°40'48
							7394	6*	23°80'42	23°12'33	7	12°85'42	10°85'32
							7395	9	15°02'50	23°62'49	16	4°10'06	11°74'21
							7396	8	15°82'60	23°00'68	8	4°87'60	11°08'84
							7397	4*	17°13'53	23°27'30	4	6°19'58	11°29'31
							7398	53§	18°17'36	23°82'30	61§	7°25'45	11°80'39
							7399	23§	19°20'04	23°73'16	21§	8°27'88	11°66'60
							7400	3*	23°82'47	23°52'25	6	12°88'98	11°25'16
							7401	34§	16°04'70	24°39'57	32§	5°15'85	12°46'83
							7402	15	17°39'33	24°96'88	18	6°52'70	12°98'13
							7403				3	7°65'94	12°34'49
							7404	16	19°10'25	24°36'28	18	8°20'95	12°30'23
							7405	4*	19°20'29	24°57'98	5	8°31'94	12°51'31
							7406	17	19°77'36	24°43'24	18§	8°88'31	12°33'89
							7407	10*	20°40'21	24°99'10	14	9°53'29	12°86'67
							7408	9*	22°27'38	25°15'36	16	11°40'96	12°94'71
							7409	36§	22°85'41	24°29'20	28§	11°95'06	12°06'02
							7410	4*	14°46'65	25°15'99	5	3°61'28	13°30'37
							7411	7*	16°40'44	25°03'10	12	5°54'30	13°08'58
							7412				3	7°19'14	13°25'39
							7413				3	7°51'94	13°31'88
							7414	5*	18°67'00	25°35'09	8	7°82'04	13°30'67
							7415	6	19°36'91	25°09'87	9	8°50'80	13°02'55
							7416				4	10°48'49	13°95'81
							7417				7	10°68'43	13°75'42
							7418				4	11°05'45	13°81'31
							7419				14	12°70'11	13°50'15
							7420				4	12°70'51	13°63'79

No. 7376. B. D. 68°1061. The declination given in the B. D. appears to be about 4' too small.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 40 <sup>m</sup> —contd.																
Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°												
Plate 2227. 1894, Sept. 18.				Plate 3271. 1896, Oct. 9.					Plate 1397. 1893, Aug. 24.				Plate 3271. 1896, Oct. 9.												
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
								No.									No.								
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1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 40 <sup>m</sup> —contd.									R.A. 19 <sup>h</sup> 40 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +68°			R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. +69°						Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +68°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. +69°							
Plate 1397. 1893, Aug. 24.			Plate 3271. 1896, Oct. 9.						Plate 1397. 1893, Aug. 24.			Plate 2291. 1894, Oct. 16.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
7527	22§	11°0843	24°0218	20§	21°8788	12°0538	°	m.	7579	11	19°0754	21°1118	6	8°1548	9°1265	°	m.		
7528	6	11°1142	24°8843	8	21°8778	12°9171			7580	17	21°9703	21°6329	8	11°0658	9°5222				
7529	4	12°6197	24°4231	5*	23°3998	12°5099			7581	24	22°5422	21°1000	(12)	11°6159	8°9662				
7530	25§	13°0290	24°3434	28§	23°8098	12°4445			7582	7	23°2829	21°7725	5	12°2842	9°6041				
7531	7*	4°6571	25°9408	7	15°3866	13°7430			7583	5	19°1936	22°8403	3*	8°3463	10°8483				
7532				4	16°3318	13°7656			7584	24	21°1985	22°1339	17	10°3179	10°0554				
7533	9	6°8358	25°8540	10	17°5650	13°7362			7585	6	23°9733	22°3420	4	13°0994	10°1483				
7534	21	7°3171	25°0823	18	18°0747	12°9840			7586	23	23°1196	23°8857	16	12°3107	11°7246				
7535				4	19°2487	13°5917			7587	7	24°7143	23°9873	6	13°9050	11°7569				
7536	4	10°9176	25°3268	4	21°6645	13°3539			7588	11	15°6061	24°3734	4	4°8265	12°5309				
7537	28§	10°9865	25°7215	22§	21°7201	13°7465			7589	17	15°7635	24°1844	9	4°9753	12°3349				
7538	4	13°7023	25°0633	4	24°4588	13°1876			7590	7	18°8502	24°7806	4	8°0838	12°7951				
									7591	32§	20°1925	24°7003	26§	9°4217	12°6626	68 1081	9.5		
									7592	29§	19°5255	25°1538	22§	8°7735	13°1410				
									7593	33	23°4974	25°6083	23	12°7606	13°4285	68 1083	9.5		
									7594				3	10°8850	13°8145				
										56§	26°3334	14°0413	75§	2°0973	7°2504	68 1077	7.5		
										63§	25°6713	18°3571				67 1207	8.0		
																68 1084	8.3		
									R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup>										
Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +68°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. +69°						Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +68°			R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. +69°							
Plate 1397. 1893, Aug. 24.			Plate 2291. 1894, Oct. 16.						Plate 2306. 1894, Oct. 25.			Plate 2291. 1894, Oct. 16.							
7539	6	14°0358	14°2096				°	m.	7595	15	5°5255	14°7895	9	16°8319	2°7805	°	m.		
7540	13	17°6620	14°6918	6*	6°4718	2°7724			7596	6	12°2352	14°4125							
7541	4	19°5558	14°6530						7597	4*	6°6030	15°5904	3*	17°8763	3°6228				
7542	21	20°3546	14°1223	17	9°1367	2°0876	67 1199	9.3	7598	4	10°2358	15°0163							
7543	4	15°2068	15°4089						7599	9	10°2661	15°8335	6*	21°5281	4°0157				
7544	3	15°4555	15°2846						7600	83§	12°1001	15°5309	86§	23°3738	3°7862	68 1096	7.5		
7545	20	16°2951	15°1501	14	5°1253	3°2867	67 1188	9.5	7601	76§	13°7039	15°7920	87§	24°9650	4°1136	68 1097	7.5		
7546	6	16°4586	15°2139	3*	5°2944	3°3463			7602	5	5°6216	16°2973	5*	16°8648	4°2923				
7547	19	16°6232	15°5577	8	5°4699	3°6793	67 1189	9.5	7603	4	7°1650	16°4260	3*	18°4016	4°4812				
7548	13	25°0140	15°1850	6	13°8351	2°9523			7604	13	8°4657	16°6422	10	19°6934	4°7502	68 1091	9.4		
7549	16	17°6147	16°2498	10	6°4874	4°3277			7605	11	9°3638	16°2154	7*	20°6068	4°3620				
7550	8	18°0233	16°1261						7606	27§	10°9398	16°5060	32§	22°1720	4°7132	68 1093	9.4		
7551	13	18°2584	16°7088	6	7°1538	4°7582			7607	6	11°6398	16°7258							
7552	35§	19°5721	16°2308	37§	8°4420	4°2254	68 1080	9.1	7608	13	11°9915	16°5265	12	23°2232	4°7800				
7553	93§	21°3878	16°3445	88§	10°2637	4°2608	68 1082	6.4	7609	4	13°7059	16°6059							
7554	4	21°2463	17°4642	3*	10°1731	5°3890			7610	32§	3°6060	17°6593	25§	14°7965	5°5709	68 1085	9.3		
7555	28§	21°4760	17°1114	29§	10°3846	5°0243			7611	6	5°9805	17°6851	6	17°1677	5°6910				
7556	9	22°3918	17°6401	5	11°3219	5°5184			7612	40§	7°5100	17°0345	38§	18°7235	5°1046	68 1089	8.9		
7557	12	23°5459	17°4340	6	12°4655	5°2598			7613	23§	9°2471	17°5753	23	20°4361	5°7127	68 1092	9.4		
7558	7	23°8407	17°9875	2*	12°7808	5°7973			7614	6	11°1740	17°1321	4*	22°3806	5°3512				
7559	5	23°9660	17°6243	4	12°8925	5°4320			7615	11	11°6781	17°4683	7	22°8705	5°7063				
7560	5	15°7275	18°5347	2*	4°7046	6°6866			7616	5	13°1975	17°4727							
7561	5	17°1008	18°2886	3*	6°0621	6°3873			7617	7	13°3121	17°0995							
7562	16	18°6610	18°1980	13	7°6179	6°2281			7618	67§	3°4585	18°1896	45§	14°6264	6°0927	68 1084	8.3		
7563	3	18°7908	18°0908	2*	7°7422	6°1209			7619	13	5°4391	18°3574	7	16°6035	6°3422				
7564	10	18°8909	18°1656	6	7°8467	6°1888			7620	19	9°8837	18°6204	14	21°0325	6°7857				
7565	7	24°4237	18°0808	4	13°3681	5°8687			7621	4	11°0518	18°7603							
7566	5	15°8909	19°7875						7622	4	12°6930	18°9873							
7567	7	16°0738	19°4098	3	5°0870	7°5509			7623	17	6°8552	19°2944	18	17°9765	7°3344				
7568	4	16°9800	19°6330						7624	6	7°5310	19°3859	5	18°6494	7°4555				
7569	18	18°6621	19°5074	12	7°6745	7°5369			7625	9	9°2891	19°6880	6	20°3934	7°8287				
7570	5	19°2680	19°3556																
7571	3	20°1601	19°1095																
7572	4	14°2635	20°5894																
7573	16	16°0973	20°0500	14	5°1357	8°1899													
7574	11	17°2767	20°7848	6	6°3445	8°8707													
7575	6	21°5263	20°8797	3	10°5945	8°7866													
7576	16	14°9255	21°6674	8	4°0350	9°8546													
7577	5	16°7799	21°2652	4*	5°8713	9°3723													
7578	4	16°8482	21°0839																

No. 7581, Plate 2291. The 6<sup>min.</sup> image falls on a *réseau* line, and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.  
 No. 7618, B. D. 68 1084. The declination given in the B. D. appears to be about 2' too large.

*réseau* interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			
Plate 2306. 1894, Oct. 25.				Plate 2291. 1894, Oct. 16.				Plate 2306. 1894, Oct. 25.				Plate 2768. 1895, July 22.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
</															

Nos. 7660, 7661, B. D. 67 1220, 67 1223. The declination of each of these stars given in the B. D. appears to be about 2' too large.

Nos. 7724, 7726. These stars are not given in the B. D., but are given as Nos. 3142, 3145 in the (*Christiania*) *A. G. Catalogue*. Magnitude of each 9.4.

$\alpha$  réseau interval represents very nearly  $5' = 53''.4$  of R.A. at Dec. + 68°, and  $55''.8$  at Dec. + 69°.

## ZONE + 68°.

R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 20 <sup>m</sup>								R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					
Plate 1398. 1893, Aug. 24.				Plate 2768. 1895, July 22.				Plate 1398. 1893, Aug. 24.				Plate 2328. 1894, Nov. 6.					
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		
7728	7	4.8737	14.0268					7777	9	20.9043	15.7201	9	9.7457	3.6353			
7729	12	5.4936	14.5329	6	16.6652	2.4483		7778	4	21.3738	15.1476	2*	10.1886	3.0475			
7730	18	6.5752	14.8600	11	17.7336	2.8161		7779	4	21.9633	15.6736	3*	10.8003	3.5456			
7731	6	6.5981	14.6281					7780	7	23.0538	15.1264	6	11.8674	2.9528			
7732	12	7.8580	14.8113	7	19.0160	2.8186		7781	16	14.6937	16.3388	17	3.5663	4.5160			
7733	8	4.2072	15.9535					7782	19	14.8855	16.9665	22	3.7830	5.1334			
7734	17	9.2863	15.2936	10	20.4261	3.3549		7783	21	16.6438	16.5451	22	5.5227	4.6388			
7735	18	13.0953	15.6605	10*	24.2191	3.8660		7784	4	18.6758	16.4171	4*	7.5482	4.4263			
7736	28§	12.9003	16.8013	25	23.9790	5.0003	68 1119	9.5	7785	3†	18.7244	16.5187	3*	7.6008	4.5266		
7737	13	3.9014	17.1970	10	14.9698	5.0488		7786	3	20.3922	16.2534	3	9.2549	4.1914			
7738	16	9.0463	17.1229	13	20.1164	5.1730		7787	6	14.0277	17.2732	4*	2.9391	5.4795			
7739	11	9.9263	17.1650	7	20.9960	5.2472		7788	21§	14.0647	17.4113	27	2.9828	5.6142	68 1122	9.5	
7740	7	3.4621	18.1653	4†	14.4961	6.0031		7789	10	14.6843	17.7555	10	3.6160	5.9308			
7741	16	7.0875	18.9693	12	18.0882	6.9451		7790	11	15.1136	17.1413	11	4.0178	5.3010			
7742	7	4.2314	19.2385	4	15.2220	7.1052		7791	9	15.3838	17.5669	7	4.3080	5.7139			
7743	9	4.5182	19.1566	6	15.5148	7.0333		7792	8	19.1773	17.6578	9	8.1027	5.6451			
7744	6	4.8891	19.5996	4	15.8670	7.4871		7793	9	20.3480	17.6493	9	9.2704	5.5873			
7745	10	7.1444	19.1914	6	18.1356	7.1682		7794	7	20.7577	17.1701	7	9.6598	5.0908			
7746	19	7.4578	19.8743	13	18.4231	7.8617		7795	4	21.5558	17.0532	3*	10.4508	4.9406			
7747	6	9.2865	19.1911	4*	20.2779	7.2497		7796	3	22.0552	17.2728	3*	10.9625	5.1375			
7748	27§	12.6243	19.8294	25	23.5868	8.0158	68 1118	9.4	7797	4	22.1492	17.8072	3	11.0774	5.6706		
7749	5†	3.6983	20.3506	5	14.6473	8.1939		7798	6	17.3533	18.2225	5	6.3033	6.2872			
7750	10	9.2465	20.5289	8	20.1879	8.5849		7799	3	19.0215	18.9188	2*	7.9970	6.9115			
7751	4*	10.0851	20.1784	3*	21.0385	8.2679		7800	3*	21.4829	18.6315	3*	10.4444	6.5205			
7752	14	12.0761	20.6619	10	23.0083	8.8259		7801	3	23.8860	18.6249	3*	12.8470	6.4138			
7753	81§	13.5889	20.6775	80§	24.5174	8.8990	68 1121	6.0	7802	32§	15.5821	19.1497	33§	4.5708	7.2862	68 1123	9.4
7754	10	8.7436	21.7600	6	19.6356	9.7969		7803	6	16.5642	19.6780	6	5.5756	7.7741			
7755	21§	8.9533	21.8173	16§	19.8421	9.8603		7804	15	17.1901	19.7130	17	6.2031	7.7797			
7756	19§	10.8400	21.1463	15	21.7554	9.2630	68 1116	9.5	7805	3*	18.0964	19.3652	2*	7.0928	7.3969		
7757	18	3.5080	22.7401	9	14.3679	10.5759		7806	3†	18.3642	19.0644	2*	7.3481	7.0825			
7758	11	4.9750	22.3482	6	15.8462	10.2383		7807	4*	19.5634	19.6781	3	8.5708	7.6486			
7759	32§	5.2529	22.1526	24§	16.1327	10.0536	68 1112	9.5	7808	63§	21.4283	19.2893	64§	10.4202	7.1784	68 1129	7.2
7760	14	9.7983	22.0820	9	20.6779	10.1604	68 1115	9.5	7809	18	22.8463	19.4493	19	11.8420	7.2808		
7761	17	11.1310	22.6219	13	21.9865	10.7464		7810	11	14.5037	20.3080	8	3.5433	8.4895			
7762	10	11.2970	22.3475	5	22.1631	10.4791		7811	25§	14.7828	20.3400	32§	3.8225	8.5120			
7763	7*	4.9641	23.3562	4*	15.7956	11.2563		7812	13	15.4549	20.2390	20	4.4918	8.3812			
7764	25§	9.9988	23.9137	20§	20.8060	11.9953		7813	27§	19.0777	20.5900	28§	8.1244	8.5802	68 1124	9.4	
7765	5†	10.5361	23.8925	3*	21.3478	11.9959		7814	26§	22.1024	20.1108	26§	11.1248	7.9738	68 1130	9.4	
7766	21§	13.7957	23.3573	25	24.6208	11.5857		7815	28§	22.4175	20.9266	33§	11.4753	8.7740	68 1132	9.4	
7767	32§	6.1791	24.8757	19§	16.9540	12.8121	68 1113	9.5	7816	6	23.4498	20.4235	8	12.4848	8.2274		
7768	10	13.0593	24.4588	5*	23.8404	12.6562		7817	9	24.2437	20.9700	11	13.3027	8.7404			
7769	10	13.9263	24.0933	4*	24.7223	12.3259		7818	19	24.6235	20.8225	19	13.6740	8.5780			
7770	38§	9.7625	25.0053	32§	20.5273	13.0767	68 1114	9.0	7819	8	16.0160	21.5786	9	5.1092	9.6973		
7771	30§	13.0318	25.0728	24	23.7911	13.2711	68 1120	9.5	7820	7	18.8729	21.6603	7	7.9640	9.6555		
				69§	14.4868	1.6106	67 1235	6.9	7821	2	21.4079	21.3394	3	10.4873	9.2285		
	75§	2.5172	14.1299				67 1233	7.7	7822	9	21.7360	21.1648	8	10.8041	9.0393		
	68§	1.7577	17.8205				68 1110	7.4	7823	30§	22.1865	21.4920	31§	11.2682	9.3496	68 1131	9.1
									7824	3*	23.9541	21.2385	4	13.0243	9.0220		
									7825	3	17.8270	22.4213	2*	6.9540	10.4615		
									7826	2*	18.5496	22.0278	2*	7.6575	10.0389		
									7827	10	18.8061	22.0787	9	7.9180	10.0775		
									7828	4	14.3604	23.1168	4	3.5185	11.3021		
									7829	15	14.4928	23.2886	14	3.6587	11.4684		
									7830	2	16.2292	23.0078	2*	5.3791	11.1145		
									7831	10	19.4360	23.4466	10	8.6050	11.4159		
									7832	8	20.1657	23.8396	9	9.3500	11.7795		
									7833	19	20.9543	23.8887	18	10.1384	11.7964		
									7834	14	22.1056	23.5897	16	11.2781	11.4489		
									7835	7	23.9026	23.2347	7	13.0567	11.0165		



R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 40 <sup>m</sup> —contd.									
Centre		R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		B. D.		Centre		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		B. D.			
		Plate 1398. 1893, Aug. 24.		Plate 2328. 1894, Nov. 6.		No.	Mag.			Plate 1545. 1893, Oct. 18.		Plate 2328. 1894, Nov. 6.		No.	Mag.		
7836	5	16.6437	24.7634	4	5.8704	12.8517	°	m.	7883	5	8.7421	21.6189	8	19.6491	9.6767	°	m.
7837	3	17.0358	24.0685	3*	6.2327	12.1399			7884	15	11.7870	21.0150	21§	22.7179	9.2057		
7838	8	18.4087	24.4663	6	7.6209	12.4801			7885				3†	16.1911	10.8767		
7839	15	19.2314	24.1384	17	8.4294	12.1161			7886	5†	5.3598	22.9584	8	16.2114	10.8615		
7840	23	19.4971	24.2087	19§	8.6981	12.1743	68 1125	9.5	7887	13	6.0400	22.3988	18	16.9145	10.3353		
7841	3*	22.4736	24.7737	4	11.6929	12.6149			7888				4†	20.0555	10.4954		
7842	10	14.8264	25.2781	10	4.0772	13.4429			7889	4	10.7174	22.0640	5	21.6009	10.2070		
7843	4*	17.0586	25.8651	4	6.3266	13.9371			7890				5	22.0657	10.1591		
7844	10	17.7857	25.4070	10	7.0378	13.4463			7891	4*	12.1915	21.8149	4*	23.0849	10.0234		
7845	2*	18.6310	25.5808	2*	7.8835	13.5828			7892				4†	15.3207	11.5435		
7846	67§	20.1030	25.9988	64§	9.3771	13.9368	68 1126	7.0	7893				4	17.8481	11.0457		
7847	32§	20.6601	25.5135	26§	9.9128	13.4712	68 1127	9.5	7894	2*	10.4006	22.8799	6	21.2523	11.0065		
7848	37§	21.1705	25.8665	28§	10.4383	13.7631	68 1128	9.5	7895	60§	3.3124	25.0682	46§	14.0727	12.8800	68 1133	8.5
7849	20	24.4572	25.6075	22§	13.7098	13.3638			7896	4*	5.6071	24.0866	9	16.4075	12.0040		
7850	6*	21.7524	26.0063	6	11.0235	13.8760			7897				7	16.9308	12.5860		
				67§	8.1731	1.4593	67 1248	8.5	7898	4	6.6794	24.8743	9	17.4446	12.8352		
				90§	2.6424	8.8994	68 1121	6.0	7899	6	11.0648	24.2369	10	21.8520	12.3952		
							68 1134	9.0	7900				8	15.5248	13.6240		
							68 1133	8.5	7901				4	18.6499	13.6240		
									7902	6	10.5398	25.2854	10	21.2828	13.4185		
									7903	2*	12.9506	25.5690	6	23.6781	13.8096		

R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 40 <sup>m</sup>								R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup>							
Centre		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		B. D.		Centre		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		B. D.	
		Plate 1545. 1893, Oct. 18.		Plate 2328. 1894, Nov. 6.		No.	Mag.			Plate 154					

1 *réseau* interval represents very nearly  $5' = 53^{\text{s}}.4$  of R. A. at Dec.  $+68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+69^{\circ}$ .

## ZONE + 68°.

R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1545. 1893, Oct. 18.				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3253. 1896, Sept. 23.				Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 1545. 1893, Oct. 18.				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3253. 1896, Sept. 23.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	D. B. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	D. B. No. Mag.			
7935	3	21°4947	18°5490	8	10°3354	6°5018	68 1153	9.2	7994				4	13°1564	11°7237	68 1150	9.2	
7936				3	10°7992	6°5507			7995					5	6°3526			12°6667
7937	4	22°4847	18°6793	9	11°3300	6°5949			7996	10	20°4940	24°8482	17§	9°5886	12°8388			
7938	3*	14°0297	19°3504	6†	2°9108	7°6067			7997					3	9°8607			12°9260
7939	3*	16°6652	19°8073	6	5°5607	7°9575			7998					10	13°7631			12°3509
7940				4†	6°5326	7°7158			7999	19	16°8652	25°6212	18§	5°9950	13°7564			
7941	3*	18°9358	19°4683	6	7°8196	7°5259			8000	29§	18°3287	25°5117	26§	7°4546	13°5896			
7942	13	20°9470	19°4179	18	9°8220	7°3940			8001	7	21°9865	25°0908	13	11°0937	13°0215			
7943	16	21°3483	19°8014	18§	10°2397	7°7621			8002					3†	11°7221			13°1938
7944				4	10°8377	7°6708								40§	1°1397			7°1155
7945				4	13°1059	7°4436			50§	25°6650	21°8757				68 1161	8.4		
7946	7	14°6937	20°1574	12	3°6046	8°3859	R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>											
7947	4	15°3961	20°0471	8	4°3005	8°2485	Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2776. 1895, Aug. 6.				R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3253. 1896, Sept. 23.							
7948	12	18°8221	20°1745	18§	7°7305	8°2348	8003	7	6°0917	14°2457	5	17°2569	2°1029	67 1282	9.2			
7949	39§	18°9870	20°0003	38§	7°8883	8°0547	8004	4	6°2718	14°8741	4	17°4128	2°7385					
7950	13	20°1664	20°2114	15	9°0745	8°2163	8005	9	6°7751	14°9063	8	17°9137	2°7869					
7951	17	20°4590	20°9423	19	9°3976	8°9364	8006	7	8°2133	14°5259	7	19°3662	2°4574					
7952	3*	20°8749	20°7058	6	9°8014	8°6828	8007	22§	13°5913	14°5561	30	24°7392	2°6860					
7953				3	9°9785	8°2660	8008	4*	2°8800	15°2792	6	14°0083	3°0215					
7954	6	21°7597	20°1671	11	10°6638	8°1095	8009	4	3°6651	15°3179	6	14°7896	3°0868					
7955	2*	22°8157	20°1192	6	11°7191	8°0195	8010	9	4°4608	15°2533	10	15°5905	3°0528					
7956	4†	23°1837	20°8693	7	12°1150	8°7552	8011	3*	4°5445	15°5157	3	15°6684	3°3144					
7957	5	24°0852	20°8970	10	13°0178	8°7458	8012	3	8°2735	15°7920	5	19°3790	3°7264					
7958				5	13°9566	8°7739	8013	3	10°6439	15°3856	4*	21°7605	3°4071	67 1281	9.5			
7959	3*	14°9245	21°5076	7	3°8908	9°7250	8014	4	11°4516	15°6824								
7960				3	4°4370	9°8726	8015	21§	12°2630	15°3482	28§	23°3804	3°4261					
7961	26§	16°4019	21°7040	25§	5°3727	9°8632	8016	5	3°1331	16°4467	6	14°2200	4°1938					
7962				3	5°4403	9°4664	8017	20§	4°1134	16°2844	23§	15°2023	4°0667					
7963	11	17°0203	21°3873	17§	5°9808	9°5234	8018	3*	4°3230	16°2977	4	15°4112	4°0888					
7964	2*	17°2840	21°4169	6	6°2416	9°5405	8019	38§	5°1964	16°2262	38§	16°2887	4°0450	68 1163	8.4			
7965	2*	17°8729	21°0236	5	6°8153	9°1240	8020	24§	6°4498	17°0050	29§	17°5111	4°8678	68 1164	9.2			
7966	13	18°5413	21°6678	16§	7°5097	9°7397	8021	3	6°8835	16°3535	4	17°9703	4°2358	68 1173	8.8			
7967	8	20°5680	21°6876	13	9°5377	9°6760	8022	9	8°1881	16°3938	16	19°2713	4°3243					
7968				4	10°6366	9°6898	8023	4	10°5374	16°9289	4*	21°5999	4°9423					
7969	18	23°5153	21°8616	20§	12°4881	9°7328	8024	3*	4°4817	17°7569	6	15°5200	5°5517					
7970				4	12°8963	9°0535	8025	7	4°9387	17°7080	9	15°9763	5°5197					
7971	24§	14°7979	21°8443	30§	3°7362	10°0677	8026	5	5°4140	17°7435	7	16°4500	5°5730					
7972	3*	15°4357	22°6055	4	4°4451	10°8023	8027	3	5°7092	17°4320	3	16°7557	5°2741					
7973	4*	16°0047	22°6516	7	5°0155	10°8254	8028	13	6°3403	18°1397	17	17°3627	5°9998					
7974	3*	16°2057	22°2376	5	5°2001	10°4034	8029	3	7°7409	17°8536	3	18°7750	5°7637					
7975				3	5°2107	10°5151	8030	12	8°0383	17°9446	15§	19°0640	5°8697					
7976	4	16°6285	22°2594	7	5°6225	10°4090	8031	10	9°4637	17°5636	13	20°5008	5°5367					
7977	4†	16°7250	21°9647	7	5°7082	10°1122	8032	8	13°0874	17°1801	10	24°1400	5°2883					
7978	2*	17°0747	22°7795	5	6°0895	10°9076	8033	4	13°4844	16°8803	5*	24°5496	5°0058					
7979				4	6°2396	10°3165	8034	11	3°5014	18°8125	13	14°4998	6°5712					
7980	3*	17°5227	22°6374	6	6°5319	10°7493	8035				6	15°4216	6°7150					
7981				3	7°6676	10°4851	8036	5	6°2327	18°7680	6	17°2307	6°6250					
7982	14	19°4372	22°3103	17§	8°4335	10°3449	8037				4	17°5884	6°8314					
7983	19§	22°0305	22°9068	20§	11°0450	10°8357	8038	4*	7°7342	18°6643	4*	18°7347	6°5770					
7984				3	3°0188	11°1158	8039	3*	8°1620	18°8597	3*	19°1527	6°7925					
7985				2	3°6095	11°4758	8040	6	9°9131	18°0611	7	20°9333	6°0525					
7986	21	15°7985	23°5995	22§	4°8461	11°7807	8041	38§	12°4383	18°8166	44§	23°4313	6°9021					
7987	14	18°1151	23°2957	17§	7°1502	11°3833	8042	22	3°2936	20°2000	17§	14°2407	7°9478					
7988	19	18°5740	23°3641	20§	7°6106	11°4305												
7989	25§	18°6250	23°6710	24§	7°6753	11°7365												
7990	27§	18°9222	23°4859	25§	7°9636	11°5404												
7991				4	10°1190	11°6098												
7992	53§	22°1388	23°2167	50§	11°1685	11°1432												
7993				4	12°6850	11°3654												



R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.						R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.															
Centre		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		Centre		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°											
Plate 2776. 1895, Aug. 6.		Plate 3253. 1896, Sept. 23.		Plate 2776. 1895, Aug. 6.		Plate 3253. 1896, Sept. 23.		Plate 2776. 1895, Aug. 6.		Plate 3253. 1896, Sept. 23.											
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	
8043	7	3'3866	19'7243	8	14'3526	7'4758	°	m.	8102	3*	4'2485	23'5900	3'	15'0693	11'3743	°	m.				
8044	5	3'5819	19'4260	6	14'5588	7'1882			8103				3	15'6460	11'5430						
8045				4	15'2970	7'7105			8104				3	16'7234	11'4688						
8046	13	4'6022	19'9403	13	15'5605	7'7399			8105	7	9'0998	23'3615	7	19'9257	11'3227						
8047	3	5'8967	19'1674	6	16'8800	7'0145			8106	3*	10'5419	23'1173	4*	21'3799	11'1287						
8048	4	6'2003	19'6380	6	17'1629	7'4948			8107	3*	11'6953	23'5393	4	22'5131	11'5948						
8049	26§	6'8895	19'7800	28§	17'8498	7'6624	68 1165	8'6	8108	6	11'6995	23'5490	8	22'5193	11'6048						
8050	18§	7'3147	19'6519	17§	18'2806	7'5479	68 1167	9'5	8109	2*	13'4255	23'5847	3*	24'2429	11'6999						
8051	4	7'3944	19'9535	6	18'3490	7'8537			8110	27§	4'4537	24'5447	20§	15'2399	12'3331						
8052	14	7'9167	19'2806	16§	18'8922	7'2005			8111				6	15'3203	12'2421						
8053	13	8'7243	19'5429	15§	19'6911	7'4923			8112	4*	7'0624	24'6454	5	17'8429	12'5278						
8054	11	9'3271	19'2027	14	20'3093	7'1715			8113	7	7'2512	24'1617	10	18'0527	12'0525						
8055	5	9'4556	19'7651	4†	20'4158	7'7401			8114				4	18'1128	12'7795						
8056	18	13'0805	19'8694	25§	24'0317	7'9765	68 1175	9'4	8115	8	7'8146	24'4156	9	18'6004	12'3277						
8057	6	13'9638	19'3682	7	24'9360	7'5119			8116	7	7'8882	24'2986	8	18'6799	12'2157						
8058	16	3'5099	21'0445	16§	14'4260	8'8026	68 1160	9'4	8117	28§	7'9092	24'1515	22§	18'7093	12'0662	68 1168	9'4				
8059	4*	3'8489	21'0137	5	14'7645	8'7843			8118	9	10'7439	24'5023	9	21'5260	12'5185						
8060				4	14'9348	8'1748			8119	4*	11'6430	24'6624	5	22'4206	12'7150						
8061	6	4'1432	21'1585	6	15'0512	8'9395			8120	6	12'9895	24'6574	7	23'7645	12'7551						
8062	7	4'6307	20'6146	9	15'5608	8'4149			8121				6	14'6763	13'8548						
8063	20§	6'9230	20'4590	19§	17'8554	8'3408	68 1166	9'4	8122	10	5'5589	26'1121	11	16'2844	1						

1 réseau interval represents very nearly  $\zeta' = 53^{\text{s}}.4$  of R.A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .

ZONE + 68°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +68°		R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				Centre		R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +68°		R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. +69°					
Plate 2776. 1895, Aug. 6.		Plate 2776. 1895, Aug. 6.		Plate 2771. 1895, Aug. 2.				Plate 2776. 1895, Aug. 6.		Plate 2776. 1895, Aug. 6.		Plate 2771. 1895, Aug. 2.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
8151	6	16.8672	16.5123	4*	5.8016	4.5424	°	m.	8210	5*	24.3145	23.9231	7	13.5291	11.6629	°	m.
8152	4	17.3988	16.5517						8211	7†	17.9187	24.6012	7	7.1704	12.5878		
8153	4*	19.3979	16.6143	3*	8.3421	4.5480			8212	42§	19.2410	24.3795	56§	8.4805	12.3134	68 1180	8.8
8154	17§	19.9280	16.5476	23	8.8694	4.4620	68 1183	9.3	8213	30§	19.7719	24.2600	27§	9.0043	12.1742	68 1184	9.5
8155	28§	20.2721	16.9418	33§	9.2277	4.8440	68 1186	9.0	8214	4*	21.0421	24.6423	4	10.2919	12.5129		
8156	54§	20.6797	16.5862	60§	9.6216	4.4698	68 1188	8.2	8215	5*	21.1092	24.3777	4*	10.3485	12.2431		
8157	6	20.7390	16.7903	6*	9.6888	4.6724			8216	7*	21.3124	24.7349	9	10.5667	12.5910		
8158	8	22.5291	16.5268	8	11.4712	4.3428			8217	6*	21.3494	24.9946	8	10.6129	12.8512		
8159	6	23.8545	16.4841	4	12.7929	4.2489			8218	3*	22.8328	24.5958	4	12.0788	12.3906		
8160	19§	15.9880	17.9925	24	4.9905	6.0568	68 1178	9.5	8219	3*	23.6724	25.0762	4	12.9320	12.8427		
8161	20§	17.4631	17.6970	22§	6.4478	5.7060			8220	12	24.5070	24.8907	15	13.7610	12.6253		
8162	8*	17.8710	17.0373	6*	6.8317	5.0345			8221	4*	18.4677	25.4634	5	7.7492	13.4289		
8163	4	18.3284	17.4825	4*	7.3057	5.4578			8222	13	19.0714	25.6132	16	8.3567	13.5544		
8164	4	19.5108	17.4520	4	8.4862	5.3822			8223	29§	20.0589	25.6670	25§	9.3435	13.5704	68 1185	9.5
8165	4	22.4056	17.1971	4	11.3724	5.0165			8224	11	23.0133	25.9319	13	12.3070	13.7242		
8166	4	22.7435	17.6232	5	11.7251	5.4317											
8167	7	15.4081	18.3890	7*	4.4205	6.4751							54§	1.4705	7.0170	68 1173	8.8
8168	5	15.7509	18.1997	3*	4.7588	6.2744							40§	2.0520	13.3895	68 1174	8.5
8169	18§	16.9129	18.7542	21	5.9393	6.7831			30§	25.4018	14.2116				67 1294	9.2	
8170	4*	20.3872	18.5637	4*	9.4057	6.4576											
8171	19§	16.9383	19.5008	21	5.9898	7.5270											
8172	11	17.4856	19.2707	12	6.5286	7.2775											
8173	5	18.4205	19.0692	4*	7.4535	7.0371											
8174	11	18.6504	19.2790	10	7.6960	7.2375											
8175	16§	19.5324	19.3204	16	8.5783	7.2481	68 1181	9.5									
8176	24§	20.2180	19.0723	29§	9.2556	6.9730	68 1187	9.1									
8177	4*	20.4779	19.1868	4*	9.5195	7.0757			8225	26§	2.9383	14.1616	36§	14.2505	1.9200	67 1294	9.2
8178	6	20.6104	19.5357	7	9.6628	7.4216			8226	28§	8.4344	14.3214	46§	19.7351	2.3137	67 1301	9.2
8179	5	21.5369	19.1398	4*	10.5780	6.9916			8227	6	11.7445	14.4812	8	23.0362	2.6183		
8180	8	21.8692	19.0230	7	10.9035	6.8632			8228	8	3.5281	15.4519	14	14.7855	3.2333		
8181	18§	14.0554	20.2281	26	3.1424	8.3625	68 1176	9.3	8229	23§	5.6715	15.3318	34§	16.9330	3.2050	67 1296	9.4
8182	5	14.8358	20.0810	4*	3.9195	8.1869			8230	4*	6.9668	15.3921	4*	18.2242	3.3214		
8183	4*	18.0923	20.1932	3*	7.1775	8.1758			8231	36§	10.0358	15.7157	46§	21.2782	3.7769	67 1303	8.0
8184	4*	18.1590	20.9666	2*	7.2715	8.9461			8232	4*	5.3292	16.7273	6	16.5337	4.5862		
8185	12§	19.9380	20.6385	13§	9.0365	8.5505			8233				7	21.5505	4.5705		
8186	4†	17.4362	21.8232	3*	6.5806	9.8326			8234	5*	10.5677	16.7227	7	21.7638	4.8040		
8187	18§	18.5972	21.4938	19	7.7280	9.4543			8235	3*	10.9183	16.1578	5	22.1415	4.2596		
8188	15	18.9170	21.2780	12	8.0390	9.2299			8236	7	11.1467	16.3178	11	22.3638	4.3265		
8189	5*	20.8554	21.2868	4	9.9765	9.1651			8237	14	4.4805	17.5415	18	15.6471	5.3624		
8190	4*	21.0997	21.3025	3*	10.2195	9.1670			8238	4*	4.7032	18.1387	6	15.8429	5.9655		
8191	7	22.3817	21.6819						8239	11	5.6603	17.2302	18	16.8391	5.1037		
8192	21§	22.6126	21.2274	22	11.7281	9.0368			8240	8	8.9258	17.3085	19	20.1019	5.3200		
8193	5*	23.1017	21.4116	3	12.2323	9.2062			8241	5*	8.9922	17.2782	7	20.1665	5.2911		
8194	6	15.7870	22.7631	4	4.9693	10.8351			8242	17	3.0008	18.6191	23§	14.1229	6.3759	68 1192	9.5
8195	7	16.7848	22.7665	6	5.9650	10.7972			8243				7	15.2355	6.4467		
8196	6*	18.9822	22.0337	4	8.1335	9.9833			8244	4*	7.9712	18.6993	8	19.0834	6.6663		
8197	21§	19.6492	22.5293	25§	8.8181	10.4512	68 1182	9.4	8245	3*	12.4518	18.0083	7	23.5921	6.1728		
8198	16	20.8902	22.4992	13	10.0571	10.3727			8246	19	3.4700	20.0805	21	14.5280	7.8550	68 1193	9.5
8199	5*	21.0788	22.0974	4	10.2284	9.9640			8247	39§	8.1402	19.9665	42§	19.2003	7.9431	68 1195	8.5
8200	4*	22.1083	22.6421	4	11.2823	10.4721			8248	21§	10.3143	19.7399	28§	21.3819	7.8078	68 1199	9.4
8201	37§	22.1567	22.9233	38§	11.3359	10.7501	68 1190	8.8	8249	8	11.6423	19.2243	19	22.7306	7.3541		
8202	4*	22.6275	22.7859	4*	11.8044	10.5965			8250	7	3.8470	20.4780	11	14.8884	8.2676		
8203	4*	24.3272	23.1646	5	13.5168	10.9063			8251				4	15.0973	8.8834		
8204	20§	17.2643	23.1728	24§	6.4599	11.1835	68 1179	9.5	8252	6*	5.3654	20.8349	10	16.3843	8.6931		
8205	12	18.2769	23.1594	12	7.4729	11.1311			8253	12	7.6433	20.9366	20	18.6609	8.8885		
8206	4*	20.2901	23.7429	4*	9.5075	11.6397			8254	29	9.8745	19.9670	38§	20.9320	8.0173	68 1198	9.4
8207	4*	21.1760	23.6261	4	10.3880	11.4899			8255	7	10.9645	20.6380	15	21.9923	8.7343	68 1201	9.5
8208	38§	21.3305	23.0993	40§	10.5196	10.9540	68 1189	9.1	8256	4	13.4093	20.6567	7	24.4315	8.8589		
8209	15	23.7409	23.0100	16	12.9240	10.7764			8257	16	13.8407	20.4850	32	24.8737	8.7057	68 1208	9.5
									8258	4	5.5016	21.4090	5	16.5021	9.2727		

No. 8191, Plate 2771. This star coincides with a fault on the Plate, and has therefore not been measured.

1 réseau interval represents very nearly  $\zeta' = 53^{\text{s}}.4$  of R.A. at Dec. +  $68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec. +  $69^{\circ}$ .



## ZONE + 68°.

R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1288. 1893, July 14.				Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2771. 1895, Aug. 2.				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1288. 1893, July 14.				Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2395. 1894, Nov. 25.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
8259	18	8.5794	21.4862	22§	19.5751	9.4808	68 1196 9.3	8306				3	10.1341	5.6473	
8260				4	14.3466	10.2808		8307				4	10.1597	5.6448	
8261	4	7.7439	22.6873	9	18.6845	10.6442		8308	8	23.6061	17.9466	12	12.5475	5.6936	
8262	6*	8.2409	22.2206	7	19.2062	10.1957		8309	20§	24.9708	17.6797	25§	13.8990	5.3698	
8263	4	12.2905	22.4290	6	23.2366	10.5829		8310				4	13.9140	5.0658	
8264				4	23.6783	10.5046		8311	5†	14.8577	18.6952	7	3.8345	6.7951	
8265				5	15.7175	11.7970		8312	7†	17.1568	18.9013	10	6.1405	6.9041	
8266				5	20.9384	11.9062		8313	9	18.7375	18.1977	19	7.6905	6.1383	
8267	2*	11.1272	23.8319	3	22.0213	11.9342		8314	6	18.9181	18.5441	10	7.8882	6.4793	
8268	36§	11.5486	23.8552	44§	22.4372	11.9743	68 1202 8.8	8315				4	8.3010	6.5348	
8269	6	12.0497	23.5100	9	22.9525	11.6516		8316	5*	15.5776	19.7478	7	4.5986	7.8140	
8270	3*	13.0502	23.4821	5*	23.9596	11.6648		8317	5*	15.9611	19.5026	7	4.9708	7.5544	
8271	5*	3.3630	24.2792	7	14.2341	12.0490		8318	4*	18.3416	19.5375	4	7.3507	7.4884	
8272	5*	4.3860	24.9269	6	15.2365	12.7356		8319	4*	19.6277	19.2100	5	8.6201	7.1162	
8273				4	15.4039	12.4363		8320	4†	20.5637	19.6858	6	9.5754	7.5517	
8274	6*	4.6142	25.0393	9	15.4623	12.8603		8321	4*	22.2958	19.8398	4	11.3134	7.6353	
8275	6*	5.4367	24.2281	10	16.3138	12.0843		8322	11	22.8488	19.9953	18	11.8701	7.7697	
8276	23	9.3217	24.0193	26§	20.2045	12.0421	68 1197 9.4	8323	9	14.8785	20.0937	15	3.9101	8.1897	
8277	3*	10.7947	24.5608	5	21.6524	12.6474		8324	4*	17.6623	20.9946	6	6.7300	8.9763	
8278	5	11.1760	24.5998	6	22.0333	12.6997		8325	12	18.3269	20.9631	15	7.3914	8.9166	
8279	3*	13.1330	24.1283	4	24.0048	12.3152		8326	4*	19.1233	20.5099	4	8.1696	8.4348	
8280	20	13.8439	24.3422	29	24.7086	12.5601	68 1209 9.5	8327	7	21.1831	21.0585	8	10.2496	8.8974	
8281	10	4.7181	26.1001	20	15.5157	13.9259	68 1194 9.5	8328	6*	22.3217	21.1211	9	11.3894	8.9164	
8282	5*	7.4977	25.9069	10	18.3028	13.8518		8329	13	15.1041	21.3475	21	4.1867	9.4334	
8283				3	19.0866	13.4420		8330	4†	15.7876	21.5167	6	4.8797	9.5752	
8284	7	8.5072	25.6072	8	19.3244	13.5948		8331	9	17.3479	21.8587	13	6.4494	9.8521	
8285	7	9.2563	25.6506	16	20.0718	13.6715		8332	9	17.4715	21.7762	12	6.5699	9.7644	
8286	8	10.7109	25.0950	18	21.5466	13.1774		8333	4*	18.6831	21.9137	6	7.7861	9.8547	
8287	32§	12.5865	25.6651	45§	23.3978	13.8274	68 1205 9.0	8334	4*	18.7659	21.6810	5	7.8597	9.6183	
8288	6	12.6870	25.7135	8	23.4985	13.8796		8335	7	19.8520	21.5204	8	8.9388	9.4156	
				71§	18.8623	1.2015	67 1299 7.5	8336	4*	19.8386	21.0112	5	8.9480	9.9055	
				66§	25.9681	4.4929	67 1309 8.9	8337	4*	21.8181	22.3886	6	10.8986	9.2050	
	21§	12.0018	26.5474				68 1203 9.0	8338	3*	15.7181	22.3845	4	4.8436	10.4462	
	41§	12.7498	26.2068				68 1207 8.8	8339	8	17.3682	22.0970	11	6.4793	10.0902	
R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup>								8340	3*	18.2350	22.5891	4	7.3679	10.5447	
Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 1288. 1893, July 14.				Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2395. 1894, Nov. 25.				8341	6†	18.3643	22.5555	8	7.4956	10.5066	
8289	22§	19.3951	14.9835	36§	8.2155	2.8999	67 1314 9.2	8342	8	20.3529	22.8482	12	9.4911	10.7213	
8290	20	15.9480	15.0320	33	4.7711	3.0864	67 1310 9.0	8343	4*	21.5100	23.0311	6	10.6579	10.8559	
8291	7*	17.8135	15.0991	8	6.6425	3.0814		8344				4	6.4598	11.5249	
8292	5†	21.0887	16.0062	7	9.9530	3.8539		8345	3*	17.6296	23.4702	4	6.7997	11.4528	
8293	6*	22.0100	15.5386	10	10.8563	3.3499		8346	20§	18.5299	23.0662	24§	7.6804	11.0125	68 1217 9.4
8294	40§	22.2836	15.9481	45§	11.1421	3.7454	67 1321 8.7	8347	16	19.1017	23.6352	18	8.2756	11.5573	
8295	4†	23.3220	16.1007	4	12.1887	3.8616		8348	4*	19.8666	23.3880	4	9.0237	11.2762	
8296	24§	14.1192	15.9683	46§	2.9848	4.0950	68 1210 9.1	8349	4*	20.9509	23.6593	7	10.1246	11.5090	
8297	29§	14.7532	16.2327	48§	3.6291	4.3348	67 1309 8.9	8350	5*	21.1959	23.5674	7	10.3672	11.4041	
8298	10	19.2070	16.5616	17	8.0934	4.4852	68 1218 9.5	8351				4	10.5396	11.7997	
8299				6	8.3099	4.6277		8352				5	3.7107	12.8884	
8300	15	20.3073	16.5031	24§	9.1908	4.3813	68 1219 9.5	8353	6	14.8436	24.2669	8	4.0451	12.3630	
8301	12	22.4865	16.6828	19§	11.3758	4.4737		8354	23§	18.2056	24.1140	26§	7.3987	12.0700	68 1216 9.2
8302	20	22.6843	16.4895	27§	11.5642	4.2705	68 1220 9.5	8355	2*	18.7592	24.6753	3	7.9710	12.6087	
8303	12	23.9725	16.5438	20§	12.8520	4.2752		8356	11	18.8399	24.6058	13	8.0517	12.5366	
8304	6	24.2433	17.1092	9	13.1502	4.8306		8357	7*	20.5337	24.9962	8	9.7617	12.8609	
8305	23§	25.0650	16.9018	27§	13.9610	4.5875	68 1222 9.5	8358				5	13.2566	12.9440	
								8359				7	13.7198	12.0600	
								8360	20	14.6184	25.1015	22§	3.8546	13.2050	
								8361	6*	15.0620	25.4574	6	4.3117	13.5402	
								8362	18	16.6181	25.6195	21§	5.8711	13.6427	68 1215 9.3
								8363				4	8.2703	13.2244	
								8364	7†	20.7746	25.7967	7	10.0322	13.6514	

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. + 68°, and 55°.8 at Dec. + 69°.

## ZONE + 68°.

R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					
Plate 1288. 1893, July 14.				Plate 2395. 1894, Nov. 25.					Plate 2870. 1895, Sept. 21.				Plate 2395. 1894, Nov. 25.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
8365	4*	21.8242	25.2592	4	11.0565	13.0703	°	m.	8413	6	10.3453	18.7721	3*	21.3975	6.8257	°	m.	
8366	11†	23.4070	26.0601	18	12.6757	13.8049	68 1221	9.5	8414	4	12.0934	18.2440						
									8415	4	12.2760	18.9893						
									8416	16	13.3496	18.1407	13	24.4388	6.3147			
									8417	4	13.6890	18.1974						
									8418	15	13.8750	18.8933	13	24.9241	7.0892			
									8419	6	3.9811	19.1979	4	15.0235	6.9920			
									8420	34§	4.0752	19.3474	32§	15.1108	7.1441	68 1226	9.1	
									8421	16	5.3651	19.7036	15	16.3860	7.5532			
									8422	10	8.2634	19.5004	7	19.2887	7.4676			
									8423	7	9.4581	19.2098	5*	20.4970	7.2244			
									8424	10	13.4748	19.8299	5*	24.4835	8.0073			
									8425	12	6.0233	20.2778	8	17.0188	8.1537			
									8426	18§	7.1563	20.4913	18	18.1429	8.4107			
									8427	6	8.6455	20.4502	4	19.6348	8.4332			
									8428	16§	10.0075	20.0565	15	21.0093	8.0955	68 1232	9.5	
									8429	6	11.7705	20.5668	4*	22.7518	8.6748			
									8430	4	12.2251	20.3814						
									8431	14	4.7353	21.6350	12	15.6759	9.4587	68 1227	9.5	
									8432	13	6.6252	21.8230	8	17.5596	9.7245			
									8433	6	6.6659	21.8599	4	17.5988	9.7610			
									8434	14	8.4551	21.1828	11	19.4141	9.1568			
									8435	19§	10.2131	21.5220	17	21.1543	9.5650			
									8436	40§	12.0565	21.5158	45§	22.9985	9.6347	68 1238	8.7	
									8437	6	12.2371	21.0987	3*	23.1973	9.2246			
									8438	6	13.8647	21.9728	3*	24.7857	10.1682			
									8439	4	13.9938	21.4132						
									8440	3*	5.7259	22.7613	2*	16.6216	10.6283			
									8441	6	6.7347	22.1273	3*	17.6564	10.0323			
									8442	4	7.9830	22.1341	4†	18.9004	10.0878			
									8443	4	8.8481	22.0095	3*	19.7736	9.9998			
									8444	8	11.3790	22.7519	6	22.2719	10.8443			
									8445	4	12.5389	22.3587						
									8446	4	12.5690	22.9626						
									8447	8	12.5839	22.6383	3*	23.4790	10.7793			
									8448	4	13.0869	22.3260						
									8449	28§	13.2944	22.5459	35§	24.1922	10.7149	68 1240	9.1	
									8450	4	4.8078	23.8244						
									8451	41§	6.9336	23.6291	45§	17.7929	11.5392	68 1229	8.7	
									8452	21	7.7867	23.5314	19	18.6506	11.4767			
									8453	20	8.4064	23.1261	18	19.2854	11.0951			
									8454	23§	8.8625	23.9880	20§	19.7053	11.9765			
									8455	40§	9.4467	23.7518	38§	20.2996	11.7643	68 1230	8.7	
									8456	5	11.3793	23.2416	4	22.2527	11.3342			
									8457	16	11.4092	23.9695	15	22.2500	12.0623			
									8458	9	11.7846	23.8054	6	22.6332	11.9133			
									8459	4	12.9643	23.1888						
									8460	10	5.1111	24.8617	8	15.9207	12.6965			
									8461	7	5.8884	24.3614	4*	16.7198	12.2316			
									8462	4	8.8418	24.9780						
									8463	33§	9.6176	24.1493	36§	20.4523	12.1669	68 1231	9.1	
									8464	3†	10.0656	24.6771	3*	20.8797	12.7143			
									8465	43§	10.0918	24.7601	45§	20.9018	12.7958	68 1234	8.7	
									8466	5	11.8750	24.3042	4*	22.7023	12.4170			
									8467	3	12.7336	24.2421	3*	23.5638	12.3904			
									8468	6*	4.4268	25.6273	6*	15.2076	13.4352			
									8469	4*	6.6138	25.7311	4*	17.3861	13.6304			
									8470	33§	7.7503	25.2423	26§	18.5437	13.1849			
									8471	8	8.5519	25.1402	6	19.3484	13.1160			

No. 8391, Plate 2395. The 6<sup>min.</sup> image is on the *réseau* line. Its co-ordinates have been measured, but the diameter given is that of the 3<sup>min.</sup> image.

1. *réseau* interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



## ZONE + 68°.

R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2870. 1895, Sept. 21.				Plate 2395. 1894, Nov. 25.				Plate 2870. 1895, Sept. 21.				Plate 4061. 1898, July 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.</												

## ZONE + 68°.

R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.							Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 68° Plate 2870. 1895, Sept. 21.						
R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4061. 1898, July 14.							R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4061. 1898, July 14.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
8579	10	17°1383	19°4963	198	6°0890	7°6377	8638	4	16°2998	23°7234	6	5°4334	11°8988
8580	3	18°1907	19°3672	4	7°1310	7°4649	8639	3*	17°4514	23°0584	4*	6°5558	11°1817
8581	2	18°2279	19°8007	3	7°1893	7°8937	8640	12	18°3123	23°0897	16	7°4165	11°1758
8582	2	18°4588	19°2129	2	7°3959	7°2952	8641	4*	21°2687	23°5116	6	10°3898	11°4697
8583	3	19°3384	19°4548	3	8°2827	7°4979	8642	20	21°5899	23°4873	228	10°7088	11°4337
8584	7	19°4737	19°0085	11	8°3999	7°0466	8643	9	14°1523	24°3005	14	3°3119	12°5673
8585	10	19°8258	19°0856	14	8°7561	7°1113	8644	4	14°1765	24°1243	6	3°3298	12°3895
8586				3†	9°1238	7°7998	8645	4	14°4593	24°3109	6	3°6199	12°5655
8587	15	20°9898	19°3341	198	9°9260	7°3070	8646	5	14°6044	24°0436	9	3°7528	12°2941
8588	2*	21°5475	19°0927	3	10°4708	7°0453	8647	12	16°1967	24°3334	198	5°3574	12°5132
8589	248	21°7654	20°0080	288	10°7306	7°9500	8648	5	17°5311	24°6306	6	6°7009	12°7523
8590	2*	22°0736	20°0190	3*	11°0402	7°9467	8649	2*	18°2751	24°2453	4†	7°4287	12°3337
8591	14	22°6965	19°4875	198	11°6396	7°3878	8650	5	18°6645	24°2725	7	7°8195	12°3451
8592				2†	12°8653	7°3980	8651	478	20°6257	24°3941	648	9°7815	12°3799
8593	6	24°6435	19°6727	8	13°5948	7°4870	8652	2*	21°4248	24°3682	7	10°5793	12°3177
8594	6	14°1848	19°9027	7	3°1559	8°1737	8653	7	23°6827	24°2364	13	12°8304	12°0866
8595	3†	14°7820	20°2106	3*	3°7637	8°4532	8654	4*	24°7251	24°5402	9	13°8890	12°3479
8596	4	14°8956	19°9803	4†	3°8666	8°2185	8655	4*	16°2530	25°4811	7	5°4615	13°6558
8597	18	15°5161	19°8759	258	4°4852	8°0865	8656	9	17°2970	24°9958	16	6°4842	13°1251
8598	2*	16°7632	20°6722	3*	5°7608	8°8307	8657	7	17°8815	25°6966	8	7°0990	13°8045
8599	2*	16°8121	20°4013	3*	5°8027	8°5554	8658	3*	18°8967	25°4531	5	8°1022	13°5147
8600	218	19°9542	20°5923	278	8°9495	8°6111	8659	2*	21°4177	25°8494	5	10°6389	13°7993
8601	10	21°2663	20°9538	13	10°2740	8°9155	8660				3	12°2757	13°1375
8602	3*	22°4199	20°5571	4	11°4100	8°4695	8661	428	24°3976	25°8322	418	13°6108	13°6523
8603	9	22°4468	20°5712	12	11°4360	8°4835	8662	7	24°4944	25°3602	11	13°6908	13°1778
8604				3	12°9875	8°8781							
8605	418	15°0565	21°0909	588	4°0782	9°3247					568	5°5887	1°3560
8606	6	15°5859	21°4161	9	4°6201	9°6232		748	26°2906	14°5510	588	1°0967	9°8767
8607	3	15°6267	21°6151	4	4°6700	9°8210		378	26°9850	18°1764			
8608	4	17°8297	21°7738	5	6°8795	9°8842							
8609	11	17°9261	21°2283	188	6°9510	9°3355							
8610	10	17°9625	21°0008	16	6°9755	9°1060							
8611	14	19°2196	21°0515	198	8°2357	9°1031							
8612	208	19°4898	21°6617	268	8°5295	9°6975							
8613	4	20°0486	21°2444	7	9°0708	9°2549							
8614	7	22°9580	21°2239	9	11°9733	9°1135							
8615	4*	23°1269	21°2417	6	12°1470	9°1236							
8616	298	23°6260	21°9114	268	12°6719	9°7683							
8617				3	12°8268	9°4712							
8618	3*	14°0926	22°4653	3*	3°1722	10°7359							
8619	3	14°5925	21°8607	5	3°6442	10°1126							
8620	168	14°7684	22°4953	238	3°8508	10°7361							
8621	8	14°7823	22°3246	13	3°8592	10°5651							
8622	2*	17°3166	22°4039	3	6°3913	10°5367							
8623	188	17°7599	22°6219	228	6°8428	10°7345							
8624	11	18°3381	22°4985	17	7°4182	10°5852							
8625	7	19°7889	22°0293	9	8°8447	10°0523							
8626	9	21°3689	22°8342	11	10°4602	10°7861							
8627	6	21°4028	22°3225	9	10°4709	10°2758							
8628	3*	22°7972	22°9611	4	11°8892	10°8545							
8629	22	22°8106	22°9487	238	11°9013	10°8430							
8630	15	23°2932	23°1131	20	12°3932	10°9833							
8631				4†	12°5582	10°9940							
8632	20	23°5523	22°8226	218	12°6395	10°6845							
8633	2*	24°2108	22°7869	3*	13°2988	10°6170							
8634	4	24°2293	22°6958	6	13°3124	10°5268							
8635	2*	24°2945	22°5290	4	13°3706	10°3571							
8636	11*	14°0744	22°9963	15	3°1788	11°2677							
8637	2*	15°5909	23°4464	4	4°7120	11°6522							
68 1254							68 1245						
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## ZONE + 68°.

R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°							Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°						
Plate 2354. 1894, Nov. 18.							Plate 2354. 1894, Nov. 18.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
8686	15	6.4778	15.1797	238	17.5894	3.2443	8745	3*	7.7844	18.1479	3	18.7833	6.2588
8687	348	7.0295	15.4654	448	18.1302	3.5503	8746	7	8.7360	18.1316	14	19.7342	6.2770
8688	7	7.1155	15.7527	13	18.2058	3.8423	8747	5	9.4467	18.7552	9	20.4214	6.9285
8689	208	7.4823	15.6025	308	18.5783	3.7042	8748	188	11.5390	18.3655	238	22.5287	6.6162
8690	7	10.1441	15.5989	10	21.2379	3.8003	8749	208	11.5581	17.8047	298	22.5690	6.0560
8691	3†	10.2598	15.7926	8	21.3475	3.9953	8750	218	12.8310	18.2421	378	23.8248	6.5412
8692	4	10.3321	15.7171	8	21.4215	3.9258	8751	2*	13.6788	18.3161	4*	24.6707	6.6486
8693	3	11.0113	15.1539	5*	22.1226	3.3880	8752	17	3.2058	19.3485	218	14.1626	7.2893
8694	2*	11.0458	15.2114	3*	22.1567	3.4471	8753				6	14.6494	7.2504
8695	8	11.1583	15.2463	15	22.2623	3.4859	8754	6*	3.8487	19.9551	10	14.7805	7.9188
8696	11	11.3892	15.6587	19	22.4808	3.9058	8755				4	15.5793	7.8506
8697	7	11.7069	15.1100	11	22.8177	3.3688	8756	4*	4.6640	19.6783	9	15.6064	7.6735
8698	5	11.9503	15.1342	10†	23.0605	3.4035	8757	20	5.0318	19.7252	248	15.9750	7.7324
8699	3	12.5972	15.4644	3*	23.6899	3.7567	8758				4	16.0268	7.5378
8700	4	12.7096	15.1345	4*	23.8202	3.4322	8759	6	5.7349	19.5302	11	16.6822	7.5650
8701	2	12.7872	14.7093	4*	23.9083	3.0136	8760	2*	5.8925	19.8745	4	16.8287	7.9148
8702	4	13.2314	15.4174	5*	24.3304	3.7314	8761	7	7.3044	18.9277	11	18.2732	7.0205
8703	12	13.4751	15.0745	24	24.5859	3.3997	8762	4*	8.4434	19.6363	7	19.3868	7.7713
8704	8	13.7007	15.4995	13	24.7963	3.8346	8763	2*	10.5188	18.8261	6*	21.4915	7.0375
8705				5	14.9315	4.0726	8764	3	11.2204	19.5887	7	22.1630	7.8261
8706	3*	3.9488	16.9626	7	14.9903	4.9300	8765	7	11.4488	19.2671	14	22.4050	7.5151
8707	4	4.3478	16.6278	10	15.4062	4.6133	8766	2*	11.5146	18.7746	4*	22.4880	7.0256
8708				5	15.7487	4.6722	8767	4	12.3156	18.9237	7	23.2814	7.2045
8709	10	5.3508	16.1754	18	16.4247	4.1963	8768	178	12.8620	18.9845	248	23.8277	7.2852
8710	398	6.5346	16.1848	418	17.6087	4.2511	8769	14	13.6928	19.1040	18	24.6519	7.4350
8711	4	8.4394	16.7274	9	19.4910	4.8648	8770				4	14.4930	8.2935
8712	378	8.9503	16.5150	518	20.0110	4.6707	8771				4	14.9885	8.4744
8713	318	9.0336	16.6051	438	20.0898	4.7631	8772	21	4.4498	20.1639	248	15.3762	8.1492
8714	4	9.1951	16.8156	8	20.2430	4.9808	8773	20	6.0095	20.5434	208	16.9198	8.5862
8715	5	9.4450	16.2427	9	20.5143	4.4152	8774	11	7.2296	19.9765	15	18.1609	8.0660
8716	2*	9.8726	16.3441	5*	20.9392	4.5339	8775	268	7.6805	20.1941	408	18.6057	8.2968
8717	208	9.8814	15.8220	308	20.9660	4.0120	8776	3*	8.1683	20.6411	4	19.0720	8.7668
8718	2*	11.2716	16.3168	3*	22.3392	4.5567	8777	18	9.2522	20.4279	188	20.1653	8.5937
8719	7	11.2976	15.8176	15	22.3809	4.0606	8778	15	10.1787	19.9273	198	21.1095	8.1264
8720	6	11.6295	16.3665	11	22.6929	4.6242	8779	258	10.8143	19.9127	298	21.7441	8.1353
8721	3†	11.8613	16.1592	5*	22.9313	4.4255	8780	2*	13.0348	20.3575	5*	23.9492	8.6661
8722	3*	12.1155	16.3372	5*	23.1792	4.6100	8781	5*	6.4838	21.8675	8	17.3426	9.9306
8723				3	14.3517	5.5951	8782	3*	6.4786	21.1706	7	17.3641	9.2299
8724				4	14.4311	5.4654	8783	12	6.5328	21.3766	15	17.4116	9.4406
8725	3*	3.7067	17.8141	9	14.7161	5.8017	8784				4	18.7918	9.6650
8726	398	4.8577	17.8867	438	15.8683	5.8913	8785	5	9.3789	20.9025	7	20.2734	9.0730
8727	5*	5.0098	17.8256	8	16.0228	5.8341	8786	10	9.5138	21.6504	12	20.3797	9.8253
8728				4	16.6403	5.6418	8787	12	10.2238	21.2670	17	21.1044	9.4676
8729	4*	6.7018	16.9501	8	17.7450	5.0200	8788	3*	10.2297	21.1538	4*	21.1150	9.3565
8730	218	9.3502	16.9555	258	20.3923	5.1255	8789	6	10.3779	21.6758	13	21.2426	9.8844
8731	2*	9.8314	17.1254	4*	20.8678	5.3102	8790	13	11.0872	21.1013	198	21.9740	9.3339
8732	2*	9.8468	17.6805	3*	20.8608	5.8702	8791	258	11.7296	21.1770	308	22.6123	9.4344
8733	2*	11.2975	17.4264	5*	22.3234	5.6680	8792	528	12.3110	21.3089	558	23.1875	9.5866
8734	9	11.6531	17.4962	15	22.6755	5.7538	8793	5	12.3835	21.6716	9	23.2478	9.9508
8735	288	12.3189	17.1559	458	23.3536	5.4351	8794	3*	12.7106	20.9431	4*	23.6007	9.2368
8736	4	12.6206	17.0093	9	23.6601	5.3033	8795	26	3.2948	22.6075	268	14.1299	10.5463
8737	5	12.8335	17.6180	11	23.8490	5.9183	8796	29	4.9457	22.2510	318	15.7923	10.2537
8738	3*	13.4293	16.8908	4*	24.4733	5.2153	8797	15	6.5248	22.5548	218	17.3603	10.6157
8739	298	3.8957	18.6290	298	14.8785	6.5949	8798	5†	9.1022	22.8353	8	19.9268	10.9913
8740	21	4.1981	18.6445	218	15.1793	6.6223	8799	3*	9.0988	22.4056	7	19.9338	10.5644
8741	18	6.1552	18.2746	288	17.1505	6.3242	8800	4	9.1723	22.3344	7	20.0113	10.4954
8742				4*	18.0602	6.6939	8801	3*	9.4172	21.8466	4*	20.2774	10.0170
8743				5†	18.6820	6.5446	8802				5	21.1124	10.8816
8744	4	7.7816	18.0543	8	18.7822	6.1651	8803	7	10.2877	22.3743	10	21.1274	10.5767

## ZONE + 68°.

R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.						
Centre		R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			Centre		R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		
Plate 2354. 1894, Nov. 18.				Plate 4061. 1898, July 14.			Plate 2354. 1894, Nov. 18.				Plate 3263. 1896, Sept. 30.		
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
8804	3*	10°5660	22°0609	4*	21°4135	10°2754	8853	5	20°7703	14°5182	4	9°3813	2°5079
8805	3*	11°2541	22°1686	4	22°0990	10°4050	8854	4†	21°9344	14°1675			
8806	22§	11°6516	22°0340	35§	22°5007	10°2870	8855	9†	25°0425	14°3390	7	13°6415	2°1367
8807	4*	12°6597	21°9781	6	23°5114	10°2693	8856	17	14°3599	15°7919	8	3°0378	4°0706
8808	3*	12°8792	22°2939	6	23°7186	10°5944	8857	8	17°6239	15°9068	5*	6°3028	4°0379
8809	6	13°2327	21°9079	12	24°0894	10°2203	8858	12	17°7501	15°9988	8	6°4333	4°1253
8810	3*	13°5078	22°6067	6	24°3327	10°9311	8859	4	18°3114	15°1841			
8811	8	4°0400	23°8103	15	14°8286	11°7764	8860	30§	18°5708	15°6418	22§	7°2388	3°7324
8812	4†	5°1885	23°4224	8	15°9910	11°4342	8861	7	19°6007	15°3221	4	8°2503	3°3661
8813	3*	5°6258	22°9971	7	16°4437	11°0258	8862	8	19°8730	15°4704	4†	8°5295	3°5029
8814	3*	6°6480	23°3129	6	17°4529	11°3788	8863	12	21°1421	15°4818	8	9°7986	3°4553
8815	3*	7°2483	23°3065	6	18°0515	11°3932	8864	6	21°6015	15°5147	4	10°2598	3°4666
8816	22	7°8735	22°9828	18§	18°6902	11°0920	8865	37§	22°9910	15°7942	27§	11°6575	3°6840
8817				4	18°7098	11°6959	8866	5	23°0005	15°7542	4	11°6671	3°6456
8818				5	18°9335	11°6578	8867	3*	23°0915	15°9244	4	11°7596	3°8125
8819	2*	8°3980	23°3943	6	19°1989	11°5253	8868	8	24°2764	15°8552	6	12°9438	3°6873
8820	2*	8°5485	23°5154	7	19°3432	11°6514	8869	4*	24°7104	15°5647	4	13°3661	3°3785
8821	13	8°8995	23°1058	16§	19°7108	11°2550	8870	5	14°6022	16°5245			
8822	17§	8°9645	23°6336	21§	19°7582	11°7844	8871	4	16°2972	16°4779			
8823	3*	10°4548	23°0335	5	21°2702	11°2429	8872	4	16°4109	16°0240			
8824				7	22°1038	11°3626	8873	22§	18°6263	16°6353	17§	7°3378	4°7222
8825	24	12°9945	23°6921	31§	23°7805	11°9938	8874	5	21°7640	16°6061	3	10°4690	4°5519
8826				5	24°0453	11°9341	8875	9	21°8177	16°6482	7	10°5228	4°5899
8827				5	14°9493	12°0677	8876	3*	23°4524	16°1070	4	12°1372	3°9770
8828				6	15°5562	12°8189	8877	4*	23°6016	16°8958	4	12°3199	4°7601
8829				4	17°2037	12°2479	8878	4*	24°2599	16°6482	4†	12°9642	4°4777
8830	9	6°8568	24°0733	15	17°6315	12°1460	8879	3*	24°8148	16°3980	3†	13°5102	4°2034
8831				4	18°7147	12°1328	8880	4	14°1439	17°4381			
8832				6	19°2392	12°7158	8881	7	14°1569	17°7084	4	2°9215	5°9953
8833	22§	8°6519	24°2379	24§	19°4222	12°3770	8882	5†	14°5670	17°0385	3*	3°3008	5°3065
8834				4	20°0478	12°3271	8883	4	14°7941	17°1255			
8835				3†	20°1789	12°3446	8884	5	15°3744	17°6855	3*	4°1384	5°9174
8836				4	22°2999	12°4203	8885	4	15°4176	17°1251			
8837	2*	12°5653	24°5762	5	23°3187	12°8637	8886	11	15°8580	17°2920	6	4°6007	5°5032
8838	2*	13°8458	23°7058	4*	24°6294	12°0370	8887	5	16°7022	17°2402			
8839				8	15°6890	13°0253	8888	22§	17°5328	17°1877	19	6°2695	5°3245
8840				7	16°7475	13°5577	8889	31§	17°7004	17°4343	24§	6°4475	5°5617
8841				8	18°6530	13°6512	8890	4	17°8026	17°7103	4	6°5627	5°8309
8842	2*	9°4786	25°2152	7	20°2080	13°3866	8891	4	18°1811	17°0405	3	6°9095	5°1459
8843	3*	10°2998	25°0036	7	21°0400	13°2045	8892	9	18°1981	17°5029	6	6°9480	5°6052
8844	2*	11°2490	25°2251	7	21°9790	13°4630	8893	8	19°7806	17°1057	7	8°5100	5°1395
8845	3*	11°5458	25°4751	11	22°2681	13°7222	8894	18	19°8925	17°6949	12	8°6483	5°7228
8846				4	23°3210	13°5860	8895	8*	25°2245	17°2893	5	13°9553	5°0847
8847	10	13°5087	25°2883	18§	24°2349	13°6088	8896				5	13°9590	5°0757
				41§	14°0223	1°7566	8897	14	15°3329	18°1380	10	4°1123	6°3696
				50§	26°3839	10°5625	8898	4	17°0633	18°1640	3†	5°8418	6°3167
							8899	9	18°6935	18°1542	5	7°4702	6°2348
	47§	11°3578	26°3436				8900	8	20°6115	18°7063	4	9°4127	6°7019
							8901	4	20°9385	18°9493	4†	9°7488	6°9269
							8902	31§	22°3508	18°7654	20§	11°1510	6°6841
							8903	26	22°4409	18°7378	14§	11°2402	6°6529
							8904	7	22°8617	18°3077	5	11°6392	6°2011
							8905	67§	23°7651	18°4018	38§	12°5475	6°2536
							8906	13	25°1193	18°2341	10	13°8913	6°0248
							8907	4	14°7229	19°7795	2*	3°5785	8°0364
							8908	6	15°4963	19°3124	4	4°3299	7°5344
							8909	7	15°8126	19°2388	4	4°6410	7°4475
							8910	18	17°2821	19°9320	12	6°1403	8°0737
							8911	13	17°4089	19°0358	8	6°2281	7°1743



## ZONE + 68°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					
Plate 2354. 1894, Nov. 18.				Plate 3263. 1896, Sept. 30.				Plate 2354. 1894, Nov. 18.				Plate 3263. 1896, Sept. 30.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
8912	4	19°6229	19°6444	3	8°4665	7°6812		8971				3†	5°5101	13°8095			
8913	34§	19°7006	19°0130	21§	8°5134	7°0471	68 1274	9·2	8972	7	17°2402	25°6018	6	6°3514	13°7392		
8914	6	19°7645	19°4980	4	8°6000	7°5274			8973	4	17°3043	25°2335	7	6°4002	13°3695		
8915	7	20°2890	19°1339	5	9°1089	7°1430			8974	13	18°6216	25°1251	10	7°7105	13°2019		
8916	4	20°5194	19°2223	4	9°3419	7°2175			8975				5	9°3773	13°7142		
8917	11	20°6283	19°1646	6	9°4491	7°1556			8976	18	23°3181	25°8487	14§	12°4352	13°7095		
8918	4*	23°9105	19°7517	6	12°7535	7°5957			8977				5	12°5488	13°3871		
8919	20§	14°6583	20°4552	14	3°5423	8°7144							39§	4°8297	2°1381	67 1391	8·8
8920	4	14°7500	20°7571	3*	3°6493	9°0158							23§	1°0596	5°5243	68 1265	9·0
8921	3	14°8422	20°1676										39§	1°2367	9°6739	68 1266	8·6
8922	14	15°8652	20°7753	8	4°7627	8°9830			56§	25°7419	15°7463					67 1420	8·9
8923	6	16°2411	20°2194	5†	5°1138	8°4075			31	26°1046	17°4013					68 1288	9·0
8924	21§	16°2740	20°7011	14§	5°1695	8°8861	68 1270	9·4	96§	25°4783	19°9735					68 1287	7·3
8925	3	16°6283	20°1368	3*	5°4995	8°3065			64§	19°8715	26°7040					68 1276	9·0
8926	7	16°8663	20°0223	5	5°7293	8°1831			71§	20°7274	26°6721					68 1278	8·5
8927	6	17°1811	20°8233	4	6°0810	8°9678											
8928	7	17°1903	20°8141	5	6°0900	8°9568											
8929	9	18°8247	20°5425	6	7°7096	8°6146											
8930	32§	19°7493	20°0460	20§	8°6096	8°0770	68 1275	9·2									
8931	3*	14°4762	21°2266	3*	3°3986	9°4928											
8932	4	15°3173	21°9356	4	4°2697	10°1656											
8933	12	16°1746	21°8360	7	5°1207	10°0270											
8934	17	16°5345	21°9527	11	5°4864	10°1255											
8935	7	19°6670	21°3843	6	8°5879	9°4157			8978	26§	2°9395	14°0350	23§	14°1488	1°7350	67 1418	9·5
8936	5*	20°1883	21°1186	4	9°0972	9°1276			8979	10*	2°9771	14°0332	4*	14°1871	1°7342		
8937	4	20°9268	21°1972	4	9°8374	9°1740			8980	7	3°7578	14°5149	4*	14°9504	2°2455		
8938	4*	21°8750	21°4396	5	10°7963	9°3747			8981	8	3°8227	14°0452	4*	15°0335	1°7772		
8939				4	11°1733	9°4368			8982	10	4°4187	14°1636	6*	15°6213	1°9172		
8940	50§	23°1659	21°0566	26§	12°0680	8°9340	68 1283	8·8	8983	24§	5°3333	14°8250	20§	16°5128	2°6146		
8941				4	12°4455	8°9287			8984	19§	5°4404	14°5073	18	16°6309	2°3034		
8942	2*	23°5675	21°2590	3	12°4753	9°1156			8985	4	5°8596	14°1061					
8943	16	24°3148	21°3628	14	13°2290	9°1861			8986	4	6°7398	14°7100					
8944	33§	15°5411	22°1631	23§	4°5009	10°3816	68 1268	8·7	8987	4	8°5983	14°1059					
8945	33§	16°9998	22°6738	24§	5°9800	10°8250			8988	5	9°1586	14°5441					
8946	13	19°1345	22°0450	8	8°0885	10°1021			8989	13	9°1742	14°2466	6*	20°3740	2°1786		
8947	9	21°1275	22°1710	8	10°0810	10°1387			8990	4	11°1194	14°2928					
8948	29§	22°2380	22°7718	18§	11°2184	10°6863	68 1281	9·4	8991	13	11°1397	13°9678	7*	22°3433	1°9767		
8949				4	11°2700	10°0752			8992	10	11°4687	14°2839	6*	22°6616	2°3017		
8950				4	12°8044	9°9945			8993	6	11°6121	14°2938					
8951	12	24°7997	22°3153	9	13°7547	10°1158			8994	6	11°6311	14°2749					
8952				4	13°8444	10°3583			8995	9	11°9565	14°4148	4*	23°1444	2°4485		
8953				3†	13°4797	10°3929			8996	13	13°4783	14°1284	9*	24°6795	2°2189		
8954	11	19°8644	23°3845	8	8°8743	11°4068			8997	19	3°1701	15°1103	11	14°3398	2°8199		
8955				3	9°0330	11°3413			8998	38§	3°2596	15°8033	28§	14°4029	3°5140	67 1420	8·9
8956				4	9°6321	11°0550			8999	26§	4°0268	15°9670	23§	15°1638	3°7062	67 1421	9·2
8957	7	20°9170	23°8517	7	9°9475	11°8262			9000	4†	4°1527	15°2863					
8958	49§	21°3401	23°0473	26§	10°3327	11°0053	68 1280	9·0	9001	7	4°7878	15°7595	4†	15°9296	3°5293		
8959				3†	11°6369	11°2105			9002	35§	6°2790	15°7721	27§	17°4213	3°5940	67 1422	9·3
8960				5	12°0382	11°8376			9003	6	6°7058	15°5738	3*	17°8570	3°4142		
8961	15	16°7317	24°3412	10	5°7894	12°5040			9004	21§	11°6400	15°1062	15	22°8063	3°1283	67 1430	9·5
8962	4*	17°3933	24°7959	5	6°4703	12°9317			9005	9	13°1984	15°2685	5*	24°3552	3°3486		
8963	12	20°0305	24°3750	10	9°0850	12°3883			9006	8	3°2410	16°6011	4	14°3534	4°3110		
8964				4	9°8196	12°5259			9007	18§	3°5404	16°2825	12	14°6674	4°0023		
8965				4	9°8840	12°8998			9008	6†	3°9031	16°5647	4*	15°0170	4°2899		
8966				6	11°6194	12°5255			9009	6	4°7501	16°5753	4	15°8607	4°3422		
8967	13	22°7868	24°8757	12	11°8610	12°7654			9010	29§	4°8608	16°8027	23§	15°9668	4°5731	68 1289	9·0
8968				5	12°9028	12°2660			9011	6	5°6416	16°1150	3*	16°7740	3°9152		
8969				6	13°8286	12°2011			9012	14	5°8340	16°3855	9	16°9558	4°1927		
8970	41§	15°9325	25°1880	24§	5°0295	13°3852	68 1269	9·2	9013	8	6°7091	16°7348	5	17°8145	4°5712		

1 réseau interval represents very nearly 5' = 53·4 of R.A. at Dec. + 68°, and 55·8 at Dec. + 69°.

## ZONE + 68°.

R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
Plate 3239. 1896, Sept. 9.				Plate 3263. 1896, Sept. 30.				Plate 3239. 1896, Sept. 9.				Plate 3263. 1896, Sept. 30.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
9014	4	7.2913	16.4892					9073	7	6.6860	22.6548	5	17.5710	10.4861		
9015	40§	9.1589	16.7451	38§	20.2621	4.6714	68 1293	8.5	9074	16	7.4900	22.7553	11	18.3711	10.6183	
9016	9	9.7008	16.8362	5	20.8022	4.7868			9075	4*	9.3083	22.4947	3*	20.1965	10.4250	
9017	4†	12.9297	16.2249						9076	10†	9.5771	22.0226	6†	20.4847	9.9640	
9018	28§	13.0897	16.9504	31§	24.1850	5.0250	68 1297	9.5	9077	27§	11.0600	22.2163	26§	21.9595	10.2140	68 1294
9019	5	3.3704	17.0835	4	14.4669	4.7953			9078	4†	11.3488	22.4566	2*	22.2385	10.4652	
9020	26§	3.7596	17.4211	20§	14.8409	5.1491	68 1288	9.0	9079	12	12.4024	22.0806	8	23.3080	10.1258	
9021	4	5.4051	17.2729	2*	16.4917	5.0624			9080	11	12.6900	22.2223	6*	23.5901	10.2775	
9022	7	5.6649	17.2453	4*	16.7536	5.0454			9081	6	12.8119	22.9354				
9023	5	6.1143	17.1146						9082	4*	4.2584	23.8833	4	15.0962	11.6253	
9024	8	9.1495	17.7280	3*	20.2180	5.6566			9083	4*	5.4219	23.0823	2*	16.2925	10.8672	
9025	13§	9.3085	17.8181	9	20.3709	5.7541			9084	5*	6.0565	23.3512	4*	16.9155	11.1598	
9026	4	12.0920	17.4366						9085	26§	6.3591	23.9990	19§	17.1920	11.8183	68 1292
9027	8	13.1099	17.5453	6*	24.1833	5.6227			9086	4*	6.6816	23.8902	3*	17.5222	11.7187	9.5
9028	5	13.8901	17.1648						9087	4*	8.6276	23.6031	4*	19.4715	11.5060	
9029	21§	4.7203	18.9955	17§	15.7444	6.7561			9088	6	10.1935	23.3071	4	21.0517	11.2730	
9030	14	4.8778	18.9860	8	15.9000	6.7550			9089	4	11.2862	23.2451	3*	22.1465	11.2480	
9031	12	5.0357	18.4346	8	16.0805	6.2088			9090	19	13.0487	23.4008	13	23.9013	11.4734	
9032	4	7.3015	18.6785	2*	18.3398	6.5358			9091	8†	5.7232	24.3944	4	16.5446	12.1907	
9033	4*	7.8732	18.8728	2*	18.9010	6.7502			9092	6*	5.7281	24.0722	4	16.5607	11.8676	
9034	12	7.9211	18.0601	10	18.9795	5.9415			9093	16	5.8806	24.2160	9	16.7089	12.0193	
9035	4	7.9778	18.4247	3*	19.0195	6.3081			9094	7	9.6135	24.9561	6	20.4102	12.8994	
9036	6	8.0850	18.0050	3*	19.1432	5.8952			9095	19	9.8908	24.1926	10	20.7158	12.1443	
9037	4	9.3613	18.6146	4*	20.3946	6.5496			9096	24§	11.1163	24.7134	19§	21.9208	12.7086	
9038	4	9.3623	18.5410	3*	20.4062	6.4737			9097	55§	11.6803	24.3333	42§	22.4991	12.3508	68 1295
9039	12	9.3734	18.7557	8	20.4027	6.6926			9098	10	12.1600	24.5747	6	22.9680	12.6071	7.8
9040	10	9.5862	18.7927	7	20.6150	6.7348			9099	9	12.7704	24.7936	5*	23.5755	12.8530	
9041	5	10.5200	18.2751	3*	21.5675	6.2554			9100	5	13.2726	24.5509				
9042	16	3.5790	19.6935	8	14.5768	7.4131			9101	21§	13.7695	24.2052	20§	24.5905	12.3017	
9043	6†	5.0254	19.4371	4*	16.0310	7.2105			9102	5*	4.4889	25.9427	4	15.2501	13.6927	
9044	34§	5.2988	19.2743	22§	16.3114	7.0565	68 1290	9.3	9103	5*	6.5991	25.5577	4	17.3766	13.3848	
9045	4†	7.3814	19.6271	2*	18.3814	7.4870			9104	8	7.2186	25.0950	6	18.0105	12.9445	
9046	7	9.8997	19.6204	4*	20.8959	7.5747			9105	5*	8.1044	25.3598	4	18.8855	13.2452	
9047	6*	10.3586	19.4735	3*	21.3587	7.4465			9106	5†	8.6297	25.7343	6	19.4000	13.6359	
9048	6	13.0730	19.2790						9107	7	10.7189	25.2749	6	21.5010	13.2563	
9049	9	13.4998	19.1242	6*	24.5110	7.2128			9108	9	12.3298	25.2786	6	23.1117	13.3217	
9050	10	3.0213	20.0150	5	14.0095	7.7131			9109	8	12.6040	25.0750	5	23.3955	13.1276	
9051	65§	3.3400	20.0360	49§	14.3274	7.7451	68 1287	7.3	9110	11	13.7210	25.4178	8	24.5000	13.5140	
9052	4*	3.3906	20.2792	4*	14.3695	7.9922			9111	18	13.8292	25.5768	16	24.5998	13.6750	
9053	22§	5.9397	20.3055	19§	16.9118	8.1126	68 1291	9.5	9112	18	13.8399	25.5072	16	24.6111	13.6056	
9054	10	6.7103	20.0750	6	17.6922	7.9122			9113	6*	7.1796	26.0747	6	17.9358	13.9240	
9055	19§	9.8640	20.6347	14	20.8229	8.5853										
9056	9	10.3100	20.5896	6	21.2714	8.5592										
9057	4	11.2337	20.4163							62§	1.5088	18.6079	54§	21.0310	1.1450	67 1426
9058	6	11.8500	20.7921	4*	22.7995	8.8177										68 1286
9059	16	11.8967	20.4146	12	22.8620	8.4442										7.3
9060	5*	3.2180	21.0222	4*	14.1628	8.7272										8.0
9061	22	4.0745	21.9051	11	14.9900	9.6427										
9062	6	5.9873	21.1571	(2)	16.9265	8.9654										
9063	14	7.3595	21.7636	9	18.2778	9.6222										
9064	15	8.0418	21.4654	10	18.9705	9.3528										
9065	13	8.9231	21.6348	8	19.8478	9.5522										
9066	6	9.4496	21.4184	4	20.3798	9.3567										
9067	10	10.1590	21.2950	5	21.0917	9.2586										
9068	4	11.2288	21.6581													
9069	9	11.4024	21.9059	5†	22.3139	9.9133										
9070	5	12.2298	21.8526	2*	23.1400	9.8921										
9071	21§	12.7211	21.5750	19	23.6445	9.6349	68 1296	9.3					40§	13.5108	2.4255	67 1447
9072	27	3.4089	22.7648	14	14.2913	10.4748							47§	3.5972	4.0093	67 1434

No. 9062, Plate 3263. The 6<sup>min.</sup> image falls on a *résseau* line, and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

1 *résseau* interval represents very nearly 5' = 53.4 of R.A. at Dec. + 68°, and 55.8 at Dec. + 69°.



## ZONE + 68°.

R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 3239. 1896, Sept. 9.				Plate 2358. 1894, Nov. 19.				Plate 3239. 1896, Sept. 9.				Plate 2358. 1894, Nov. 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
9123	4	15°3999	15°7020					9182	3	23°7912	20°6509	2	12°9214	8°3626	
9124	24§	15°6018	15°4206	34	4°5288	3°4614	67 1436	9°5	9183	3	14°9608	21°7282			
9125	4	17°2204	15°4973						9184	3	17°6342	21°7514	2*	6°8144	9°7090
9126	9	17°2663	15°5049	6	6°1957	3°4792			9185	20§	18°2402	21°1542	21	7°3949	9°0865
9127	3	18°3013	15°2650						9186	17	20°1995	21°0445	18§	9°3473	8°8987
9128	7	19°9400	15°3699	5	8°8609	3°2370			9187	3*	22°8097	21°2651	2*	11°9648	9°0170
9129	6	20°4097	15°3058						9188	13	24°2702	21°5858	9	13°4337	9°2753
9130	9	22°3121	15°6079	8	11°2416	3°3842			9189	5	14°5123	22°0018	2*	3°7051	10°0820
9131	4	22°4932	15°3345						9190	8	15°7453	22°6681	5	4°9610	10°6995
9132	8	14°6910	16°5559	4*	3°6619	4°6340			9191	7	17°2516	22°7767	5	6°4713	10°7461
9133	8	15°3741	16°9056	4*	4°3614	4°9561			9192	10	17°5102	22°0470	9	6°6990	10°0100
9134	7	15°6828	16°4634	3	4°6520	4°4991			9193	6	17°5699	22°1230	4	6°7629	10°0812
9135	7	17°3341	16°8850	6	6°3194	4°8572			9194	6	18°4934	22°7746	4	7°7115	10°6954
9136	3	17°8679	16°1755	2*	6°8252	4°1309			9195	24§	19°8350	22°9461	22§	9°0593	10°8140
9137	9	18°0997	16°0866	8	7°0508	4°0325			9196	30§	22°7695	22°3693	22§	11°9658	10°1190
9138	4	18°1607	16°0562						9197	39§	22°8717	22°3857	40§	12°0703	10°1331
9139	4	20°1608	16°5623	2*	9°1298	4°4205			9198	4*	24°0292	22°2537	4*	13°2243	9°9571
9140	9	22°4500	16°2029	5	11°4003	3°9703			9199	4†	24°5401	22°3627	3*	13°7371	10°0426
9141	3	15°4171	17°3229						9200	8	17°1995	23°0755	5	6°4305	11°0507
9142	7	15°8003	17°4224	7	4°8059	5°4561			9201	4	19°0733	23°3248	4	8°3138	11°2259
9143	6	22°1231	17°2154	4*	11°1168	4°9961			9202	11	20°0417	23°1911	7	9°2761	11°0501
9144	10	23°7340	17°9485	9	12°7537	5°6636			9203	9	20°6945	23°4374	7	9°9362	11°2703
9145	3†	24°1388	17°0810	2*	13°1243	4°7817			9204	27§	22°9676	23°0981	23§	12°1926	10°8409
9146	4	24°5900	17°3569	3	13°5863	5°0400			9205				3	13°9310	11°0553
9147	14	14°2348	18°4107	14	3°2824	6°5056			9206	7	15°2744	24°0183	6	4°5464	12°0680
9148	6	14°4665	18°0260	3*	3°4968	6°1118			9207	5	17°8383	24°9845	4	7°1482	12°9328
9149	4	15°1496	18°4560						9208	2†	19°9479	24°3156	2*	9°2259	12°1777
9150	8	15°5056	18°8110	6	4°5691	6°8557			9209	36§	21°7982	24°2176	31§	11°0696	12°0065
9151	8	15°7433	18°5124	6	4°7928	6°5463			9210	6*	22°7301	24°2518	5	12°0023	12°0013
9152	4	15°7550	18°9990						9211				5	13°0744	12°3082
9153	6	16°4685	18°7557	2	5°5264	6°7615			9212	13	24°5468	24°5253	15	13°8295	12°2017
9154	5	17°4510	18°6892	4	6°5086	6°6560			9213	20	15°4317	25°6679	17	4°7673	13°7097
9155	5	19°4398	18°3662	4	8°4811	6°2512			9214	22§	16°2100	25°7557	21§	5°5482	13°7662
9156	9	20°1273	18°7054	6	9°1788	6°5651			9215	4	16°2717	25°3205	3*	5°5948	13°3293
9157	5	20°6778	18°8949	3*	9°7364	6°7330			9216	5	17°3583	25°4418	6	6°6826	13°4062
9158	7	21°8078	18°4042	5	10°8484	6°1951			9217	8	19°0650	25°4647	7	8°3911	13°3618
9159	5	21°9673	18°5030	3*	11°0073	6°2906			9218	6*	19°5382	25°0366	5	8°8435	12°9140
9160	22	23°9146	18°0130	19	12°9365	5°7178	68 1311	9°5	9219	40§	20°9713	25°0260	41§	10°2776	12°8483
9161	10	24°8285	18°3549	7	13°8636	6°0258			9220	6	22°3900	25°5146	6	11°7135	13°2782
9162	7	14°0478	19°7163	2*	3°1516	7°8172			9221	15	22°7640	25°4056	17	12°0838	13°1559
9163	5	15°3200	19°8651	2*	4°4250	7°9151			9222	12	23°5214	25°3204	12	12°8365	13°0375
9164	7	16°1821	19°5561	4†	5°2762	7°5738							51§	7°0905	1°0866
9165	8	16°3026	19°2564	8	5°3819	7°2698									67 1439
9166	6	17°2979	19°1973	4	6°3738	7°1677									67 1450
9167	4	17°6235	19°3442												67 1451
9168	5	17°7458	19°1179	4	6°8180	7°0740									9°0
9169	4	18°7218	19°1947	2*	7°7972	7°1093									7°3
9170	16	19°6402	19°3117	19	8°7187	7°1897	68 1305	9°5							9°0
9171	21§	22°2076	19°6853	21	11°2979	7°4615									
9172	18§	14°1026	20°6413	20	3°2411	8°7375									
9173	19§	14°1425	20°2602	23	3°2665	8°3559	68 1300	9°5							
9174	4	15°5079	20°3762	4*	4°6336	8°4174									
9175	7	16°0570	20°6405	4	5°1925	8°6617									
9176	6	16°0885	20°0270	4	5°1983	8°0482									
9177	9	16°6071	20°5331	7	5°7352	8°5301									
9178	67§	17°6857	20°4416	80§	6°8106	8°3967	68 1303	7°7							
9179	9	18°1880	20°0338	6	7°2959	7°9668									
9180	20§	23°5459	20°9808	18	12°6870	8°7006									
9181	21	23°6967	20°5585	19	12°8223	8°2738									
								R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2359. 1894, Nov. 19.				Plate 2358. 1894, Nov. 19.				Plate 2359. 1894, Nov. 19.				Plate 2358. 1894, Nov. 19.			
9223	8	2°7316	13°9853	6	14°0778	1°7310			9223	8	2°7316	13°9853	6	14°0778	1°7310
9224	78§	2°8234	14°0103	72§	14°1706	1°7565			9224	78§	2°8234	14°0103	72§	14°1706	1°7565
9225	17	4°9143	14°1786	18	16°2518	2°0100			9225	17	4°9143	14°1786	18	16°2518	2°0100
9226	20	5°0635	14°6030	19	16°3859	2°4400			9226	20	5°0635	14°6030	19	16°3859	2°4400
9227	15	5°2357	14°7050	11	16°5553	2°5485			9227	15	5°2357	14°7050	11	16°5553	2°5485
9228	20§	6°8524	14°7932	21§	18°1657	2°7036			9228	20§	6°8524	14°7932	21§	18°1657	2°7036

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			
Plate 2359. 1894, Nov. 19.				Plate 2358. 1894, Nov. 19.				Plate 2359. 1894, Nov. 19.				Plate 2358. 1894, Nov. 19.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.								No.							
Mag.								Mag.							
9229	4†	7.0981	14.2160				°	9288	4*	5.0740	22.6630	4	16.0705	10.4944	°
9230	6	12.4560	14.4925				m.	9289	6*	5.1731	22.4491	6	16.1810	10.2847	
9231	16	3.1942	15.5180	16	14.4805	3.2819		9290	12	5.3511	22.0000	11	16.3766	9.8453	
9232	9	4.9120	15.0005	11	16.2193	2.8305		9291	7	5.9047	22.2150	9	16.9191	10.0815	
9233	11	8.2196	15.8538	11	19.4887	3.8164		9292	18	6.4402	22.3349	17	17.4501	10.2230	
9234	4	9.2651	15.5346					9293	15	6.7034	22.8810	14	17.6924	10.7787	
9235	4	9.8822	15.1537					9294	69§	7.6904	22.2813	67§	18.7034	10.2190	68 1319 7.3
9236	11	9.9840	15.4956	6*	21.2648	3.5287		9295	4*	8.0580	22.7732	4	19.0509	10.7247	
9237	4	3.3939	16.8883	4	14.6261	4.6570		9296	27§	11.2990	22.4550	27§	22.3008	10.5373	68 1322 9.5
9238	7	5.3003	16.3651	5*	16.5517	4.2100		9297	5	11.5485	22.2283	5†	22.5597	10.3223	
9239	5	7.5163	16.3962	5*	18.7619	4.3292		9298	21§	4.0325	23.9700	21§	14.9825	11.7561	
9240	9	11.7781	16.5542	5*	23.0194	4.6576		9299	3*	8.1690	23.5648	4	19.1275	11.5214	
9241	16	12.3984	16.1683	13	23.6505	4.3017		9300	5	8.5087	23.1920	6	19.4834	11.1620	
9242	5	12.8072	16.9507					9301	17	11.9635	23.6082	20	22.9187	11.7161	
9243	19	2.8569	17.7237	20	14.0530	5.4709		9302	21	3.4168	24.6751	20§	14.3348	12.4384	
9244	4	6.1993	17.3817	4*	17.4089	5.2631		9303				6	15.4158	12.6449	
9245	9	6.4712	17.6009	8	17.6695	5.4931		9304	4*	4.6141	24.6000	8	15.5344	12.4126	
9246	4	6.9410	17.6768	4*	18.1399	5.5881		9305				6	16.0253	12.6071	
9247	5	7.7927	17.9945	5*	18.9779	5.9407		9306	58§	5.6346	24.1494	52§	16.5754	12.0045	68 1315 8.6
9248	4	9.6484	17.3369	4*	20.8564	5.3586		9307	6	7.2094	24.2593	8	18.1415	12.1754	
9249	8	10.4492	17.9135	7*	21.6346	5.9646		9308				4	19.3685	12.1508	
9250	6	10.5385	17.0691	4*	21.7610	5.1256		9309	28§	8.8734	24.8907	24§	19.7795	12.8730	68 1320 9.5
9251	13	11.4963	17.9374	10	22.6810	6.0318		9310	8	9.6044	24.7551	9	20.5131	12.7684	
9252	6	3.4235	18.5352	6	14.5892	6.3057		9311	10	10.8503	24.1073	14	21.7843	12.1711	
9253	3*	4.8252	18.6873	4	15.9845	6.5124		9312	8	11.7165	24.0721	11	22.6518	12.1697	
9254	6	5.7105	18.1892	8	16.8852	6.0594		9313	43§	12.0585	24.1433	45§	22.9920	12.2531	68 1325 9.0
9255	9	7.8960	18.7051	9	19.0515	6.6539		9314	15	13.6155	24.0350	19	24.5508	12.2078	
9256	17	10.6708	18.6138	21	21.8261	6.6728		9315	8*	4.9825	25.2448	10	15.8743	13.0694	
9257	21§	11.0951	18.8614	24	22.2425	6.9390		9316				4	16.1920	13.5444	
9258	11	4.9276	19.1250	8	16.0682	6.9513		9317	21	5.4470	25.3530	21	16.3360	13.1994	68 1314 9.4
9259	22§	5.2356	19.1151	18§	16.3766	6.9548		9318				4	17.3713	13.4067	
9260	5	5.4368	19.7810	5	16.5504	7.6301		9319	4*	6.6415	25.5305	6	17.5218	13.4239	
9261	5*	6.4180	19.7667	4*	17.5327	7.6540	68 1317 9.5	9320				4	17.8397	13.0730	
9262	28§	6.6624	19.8484	30§	17.7729	7.7457	68 1318 9.5	9321	32	8.1841	25.7450	21§	19.0570	13.6989	
9263	17	6.8591	19.4850	15	17.9840	7.3907		9322				4	19.2564	13.7758	
9264	14	7.1619	19.7951	14	18.2743	7.7130		9323	12	8.5335	25.1489	12	19.4293	13.1210	
9265	9	11.6600	19.8829	10	22.7658	7.9813		9324				4	19.4638	13.5337	
9266	15	11.8210	19.0703	19	22.9603	7.1776	68 1323 9.5	9325	4*	8.7366	25.8748	9	19.6009	13.8534	
9267	4	12.0652	19.3430	4*	23.1908	7.4574		9326	4*	10.0280	25.6210	6	20.9050	13.6506	
9268	17	3.0048	20.9018	11	14.0755	8.6516		9327	39§	10.0475	25.1103	40§	20.9428	13.1413	68 1321 9.1
9269	4*	4.1196	20.3627	4	15.2124	8.1600		9328	4*	10.0976	25.4948	6	20.9783	13.5302	
9270	58§	6.3740	20.5515	52§	17.4573	8.4357	68 1316 8.0	9329	21	10.9723	25.7476	20§	21.8416	13.8124	
9271	8	7.0123	20.7499	8	18.0867	8.6609		9330	11	12.1986	25.6056	15	23.0750	13.7213	
9272	7	7.2444	20.3735	8	18.3344	8.2947		9331	14	13.6013	25.6314	18	24.4743	13.8038	
9273	10	7.7107	20.3044	10	18.8023	8.2452		9332	35§	13.7237	25.6563	44§	24.5944	13.8312	68 1326 9.2
9274	10	8.7010	20.8301	11	19.7705	8.8089									
9275	6	11.2020	20.9374	7	22.2643	9.0165						41§	15.5243	1.7500	67 1451 9.0
9276	22§	12.0298	20.5724	29§	23.1077	8.6850	68 1324 9.5					62§	22.0273	1.7961	67 1457 8.1
9277	6	13.4695	20.1976	3*	24.5652	8.3681								68 1309 9.0	
9278	10	13.9613	20.0701	8	25.0575	8.2635									
9279	7*	3.3759	21.4448	8	14.4241	9.2084									
9280	5	6.1235	21.1971	5	17.1802	9.0716									
9281	4*	6.7694	21.5923	4	17.8118	9.4923									
9282	5*	7.3176	21.2565	4	18.3706	9.1820									
9283	4	10.0972	21.4070	5	21.1438	9.4408									
9284	16	11.0581	21.9858	18	22.0797	10.0605									
9285	6	12.1243	21.4679	6	23.1657	9.5826									
9286	14	4.1622	22.6213	16	15.1632	10.4173	68 1312 9.5								
9287	32§	4.5689	22.7762	28§	15.5634	10.5871	68 1313 9.4								
R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup>								R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2359. 1894, Nov. 19.				Plate 2887. 1895, Sept. 25.				Plate 2359. 1894, Nov. 19.				Plate 2887. 1895, Sept. 25.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.								B. D.							
No.								No.							
Mag.								Mag.							
9333	14	24.1324	13.9890	23	12.9690	1.7757	67 1473 9.3	9333	14	24.1324	13.9890	23	12.9690	1.7757	67 1473 9.3
9334	10	24.1280	14.2014	18	12.9725	1.9880	67 1474 9.3	9334	10	24.1280	14.2014	18	12.9725	1.9880	67 1474 9.3



## ZONE + 68°.

B. D.								B. D.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	
R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2359. 1894, Nov. 19.				Plate 2887. 1895, Sept. 25.				Plate 2359. 1894, Nov. 19.				Plate 2887. 1895, Sept. 25.			
9335	3*	15°2674	14°4344	5	4°1288	2°5850		9394				4	9°4063	8°0535	
9336	3	20°1021	14°1791	5	8°9500	2°1303		9395	16	21°8926	20°9845	18	11°0190	8°8565	
9337	100§	20°2554	14°5084	106§	9°1129	2°4513	67 1468	9396	4	14°0595	21°4420	7	3°2107	9°6358	
9338	5	20°2844	14°5108					9397	4*	14°3232	20°9959	6	3°4579	9°1783	
9339	3*	21°1770	14°5234	5	10°0392	2°4291		9398	8	15°0153	21°5482	12	4°1695	9°7024	
9340	25§	22°6423	14°8189	28§	11°5151	2°6642		9399	4*	15°5462	20°8742	6	4°6723	9°0073	
9341				3	13°2152	2°1119		9400	3*	16°0392	21°1300	8	5°1753	9°2424	
9342	14	14°2917	14°9943	22	3°1788	3°1843		9401	4*	17°2958	20°9649	6	6°4241	9°0288	
9343	10	17°2033	15°0318	17	6°0871	3°1013		9402	12	18°2306	21°6065	18	7°3849	9°6298	
9344				3†	6°4051	3°6687		9403	13	19°9915	21°9213	16	9°1580	9°8715	
9345	7	18°8875	15°5812	11	7°7980	3°5809		9404				3	9°9052	9°0228	
9346	26§	19°9817	16°0418	27§	8°9053	3°9980	67 1466	9405	9	14°3393	22°4549	14	3°5336	10°6361	
9347	3	14°2900	16°4939	6	3°2410	4°6815		9406				4	4°0560	10°0825	
9348	4	15°0477	16°4034	7	3°9928	4°5577		9407				5	6°0612	10°1706	
9349	12	17°6908	16°8508	19	6°6524	4°8991		9408				4	6°7519	10°7501	
9350	9	17°7528	15°9840	16	6°6759	4°0293		9409				3	9°5064	10°8720	
9351	8	17°7342	16°9393	16	6°6975	4°9868	68 1329	9410				7	10°1118	10°8788	
9352	2*	17°9166	16°0394	3	6°8406	4°0782		9411	21	14°5153	23°3583	20§	3°7434	11°5315	
9353				6	7°0163	4°2506		9412				4	6°3491	11°3614	
9354				4	10°3616	4°6452		9413				4	8°6565	11°7515	
9355	35§	23°9730	16°3796	31§	12°9055	4°1689	67 1472	9414				4	10°9070	11°9052	
9356	6	14°2133	17°5443	10	3°2063	5°7355		9415				4	11°7556	11°7113	
9357	6	14°9595	16°9918	13	3°9281	5°1514		9416	16	22°6837	23°5908	19§	11°9170	11°4260	
9358	3	16°0686	16°8956	7	5°0313	5°0138		9417	16	23°6826	23°6416	20§	12°9168	11°4384	68 1338
9359				3	5°2873	3°205		9418	9	14°7126	24°4353	11	3°9868	12°5984	9°5
9360	16	16°9677	17°6198	22§	5°9580	5°6963		9419				8	4°1188	12°1472	
9361	3	17°5339	17°0698	7	6°5038	5°1263		9420				4	4°8178	12°1244	
9362	8	17°7818	17°5056	15	6°7686	5°5502		9421	20	15°8353	24°6570	21§	5°1172	12°7753	
9363				4	7°0160	5°7271		9422	18	16°6912	24°3735	18§	5°9620	12°4555	
9364				4†	9°9107	5°7660		9423	44§	17°3980	24°8922	40§	6°6889	12°9453	
9365	4*	23°3490	18°1127	9	12°3543	5°9257		9424				8	8°5702	12°5869	
9366				6	13°0503	5°0619		9425				6	8°6518	12°2590	
9367	16	15°8986	18°7344	21§	4°9372	6°8529		9426				4	9°9314	12°2349	
9368	3	16°0560	18°0175	8	5°0672	6°1326		9427				5	10°4908	12°3716	
9369	4	16°6344	18°1513	9	5°6503	6°2390		9428	54§	22°1591	24°9334	44§	11°4487	12°7859	68 1333
9370	3	16°8884	18°1641	8	5°9047	6°2427		9429	26	22°4906	24°8847	22§	11°7782	12°7253	68 1334
9371	20	17°9638	18°2807	23§	6°9818	6°3143		9430	40	23°1550	25°1623	32§	12°4518	12°9768	68 1335
9372	3†	19°1724	18°9918	5	8°2192	6°9768		9431				6	12°5367	12°6428	
9373	39§	19°7843	18°1061	40§	8°7913	6°0665	68 1332	9432	40	23°2551	24°7862	30§	12°5368	12°5956	68 1336
9374				4	9°0798	6°7500		9433				8	12°6293	12°1987	
9375				4	10°5699	6°7701		9434				4	13°2062	12°2840	
9376	9	21°8654	18°5479	12	10°8909	6°4230		9435				5	3°7315	13°9655	
9377	4	22°0615	18°4371	8	11°0822	6°3040		9436	5	15°9490	25°0460	10	5°2467	13°1593	
9378	4	14°2495	19°1402	10	3°3086	7°3295		9437				7	5°2084	13°2880	
9379	23§	15°8261	19°5015	24§	4°8950	7°6253		9438				4	5°5959	13°6839	
9380				4	7°0273	7°7461		9439	23	17°4975	25°3155	20§	6°8067	13°3639	
9381				4	8°1743	7°7850		9440	53§	17°6572	24°9993	49§	6°9528	13°0408	68 1330
9382	5	19°1738	19°0792	6	8°2219	7°0656		9441				8	7°3377	13°2645	
9383				5	9°7772	7°3121		9442				6	7°8609	13°9369	
9384	30§	14°4186	20°7585	32§	3°5399	8°9391	68 1327	9443	8†	20°2854	25°8374	12	9°6115	13°7702	
9385	8	15°7383	20°6735	11	4°8559	8°7985	68 1328	9444				5	10°0624	13°9399	
9386	3	15°7431	20°6695	5*	4°8613	8°7954		9445	48	23°3541	26°0723	38§	12°6862	13°8768	68 1337
9387				3	5°3366	8°8568		9446				6	13°9608	13°5528	
9388	17	17°8477	20°5889	19§	6°9615	8°6280									
9389	19	18°0473	20°5832	21§	7°1610	8°6124						50§	10°7113	1°0465	67 1470
9390				3	7°6252	8°5382						54§	1°3220	12°4162	67 1470
9391	4*	18°6243	20°5552	6	7°7363	8°5632			37	26°0658	19°6787				68 1325
9392	38§	19°2336	20°5788	40§	8°3470	8°5601	68 1331		43§	25°6158	25°8370				68 1340
9393	3*	19°6840	20°8739	7	8°8090	8°8371									68 1339

No. 9337. This is a double star measured as one mass.

No. 9423. This star is not given in the B. D. but is given as No. 3657 in the (Christiana) A. G. Catalogue. Mag. 9°.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

## ZONE + 68°.

R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup>							R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2838. 1895, Sept. 10.							Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 68° Plate 2838. 1895, Sept. 10.						
R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2887. 1895, Sept. 25.							R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2887. 1895, Sept. 25.						
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
9447	5	3.4385	14.1158	5	14.7743	1.9377	9506	4	11.5203	19.0675	5	22.6498	7.2139
9448	7†	3.5658	14.0251	7	14.9039	1.8545	9507				5	14.4057	8.2994
9449	14§	3.9053	14.0190	19	15.2444	1.8639	9508	5†	4.8133	20.8821	5	15.8759	8.7580
9450	5*	4.1791	14.0327	6	15.5148	1.8872	9509	4	5.8221	20.6301	4	16.8940	8.5457
9451	25§	3.7183	14.4639	25§	15.0415	2.2983	9510	7	6.5106	20.0732	9	17.6059	8.0155
9452	14	4.2294	14.4729	18	15.5502	2.3279	9511	16§	8.0183	20.2878	18§	19.1039	8.2914
9453	4*	4.3152	14.7155	4	15.6242	2.5771	9512	12	8.5067	20.6103	15	19.5796	8.6343
9454	5*	4.6649	15.0102	4	15.9640	2.8852	9513	20§	9.4356	20.4049	22§	20.5161	8.4651
9455	16§	5.0020	15.0360	20§	16.3004	2.9226	9514	15	4.2812	21.1652	13	15.3330	9.0175
9456	57§	5.1458	15.0785	58§	16.4419	2.9703	9515	27§	5.2634	21.3543	28§	16.3075	9.2460
9457	4†	5.8404	14.3341	4	17.1673	2.2536	9516	7	5.5344	21.7231	8	16.5631	9.6262
9458	18§	6.4153	14.4405	22§	17.7354	2.3834	9517				4	17.4650	9.9820
9459	17§	6.9222	14.8852	20§	18.2263	2.8494	9518	7	9.5305	21.6416	9	20.5627	9.7053
9460	4*	7.6709	14.3103	4	18.9948	2.3058	9519	8	4.3131	22.8817	7	15.2985	10.7363
9461	9	7.8643	14.6347	15	19.1747	2.6360	9520	5*	4.9304	22.8748	6	15.9137	10.7535
9462	20§	10.2132	14.7651	31§	22.5185	2.8603	9521	5	7.5736	22.7592	5	18.5612	10.7414
9463	15§	10.8237	14.7448	24	22.1275	2.8640	9522	7	9.0764	22.3650	9	20.0762	10.4107
9464	4†	10.8555	14.4503	5†	22.1717	2.5734	9523	4	9.3304	22.0050	5	20.3454	10.0621
9465	11	3.2567	15.3991	12	14.5404	3.2153	9524	26§	11.7779	21.9529	31§	22.7929	10.1032
9466	4	3.8322	16.0657	5	15.0921	3.9058	9525	11	11.7973	21.9667	15§	22.8101	10.1196
9467	5*	4.0770	16.0417	5	15.3345	3.8943	9526	4†	12.1507	22.6455	5	23.1364	10.8133
9468	3*	4.0502	15.3338	5	15.3378	3.1831	9527	21§	13.6739	22.2316	25§	24.6776	10.4610
9469	10	5.2584	15.1438	10	16.5514	3.0398	9528	4*	7.0776	23.8657	5	18.0205	11.8383
9470	30§	6.3137	15.7057	37§	17.5855	3.6447	9529				4	18.5407	11.1434
9471	3†	7.3618	15.2784	3*	18.6480	3.2593	9530	4*	7.9195	23.9244	4	18.8589	11.9216
9472	4	7.5393	15.6351	5	18.8094	3.6227	9531	4*	7.9339	23.6053	5	18.8863	11.6023
9473	8	7.6432	15.5161	12	18.9214	3.5079	9532	5†	8.1385	23.9846	6	19.0752	11.9923
9474	13	9.4761	15.8164	16	20.7397	3.8822	9533	10	9.0618	23.6150	12	20.0100	11.6588
9475	4	10.3408	15.5306	5	21.6141	3.6324	9534	3*	9.3952	23.8703	4	20.3364	11.9264
9476	10	10.3806	15.2638	19	21.6667	3.3653	9535	18§	10.1024	23.7120	20§	21.0489	11.7953
9477	4	12.1608	14.8569	4*	23.4606	3.0292	9536	4*	10.2779	23.4843	5	21.2356	11.5787
9478	4	12.4182	15.3378	3*	23.6996	3.5227	9537	10	11.6762	23.4863	12	22.6317	11.6341
9479	4	13.8225	15.6200				9538	3*	12.2940	23.0788	3	23.2671	11.2529
9480	6	3.2718	16.4462	8	14.5160	4.2628	9539	27§	12.7520	23.7073	31§	23.6963	11.8972
9481				4	15.7586	4.8024	9540	5	12.9545	23.5417	7	23.9068	11.7415
9482				4	16.0555	4.2607	9541				4	19.5601	12.6465
9483	4*	5.1324	16.4693	5	16.3707	4.3620	9542	3*	8.9475	24.0978	4	19.8764	12.1357
9484				4	17.4851	4.9107	9543	28§	9.6640	24.7434	31§	20.5684	12.8088
9485	5	6.4753	16.3057	7	17.7225	4.2460	9544	22§	13.1271	24.1777	22§	24.0500	12.3827
9486	3*	8.3812	16.2344	3	19.6276	4.2566	9545	3	13.5998	24.4487	5	24.5138	12.6760
9487	7	8.4399	16.7706	10	19.6663	4.7945	9546	8	3.5514	25.8823	9	14.4117	13.7044
9488	5†	13.3744	15.8301	5*	24.6312	4.0547	9547	48§	4.0661	25.7078	35§	14.9362	13.5472
9489	7	3.8169	17.9705	9	14.9980	5.8072	9548	5*	5.3100	25.1438	8	16.1990	13.0328
9490	34§	6.8117	17.5186	38§	18.0080	5.4733	9549				4	18.4825	13.8966
9491	3†	7.6229	17.5409	4	18.8200	5.5262	9550	4*	12.0555	24.9037	6	22.9543	13.0657
9492	19§	9.6862	17.3156	24§	20.8903	5.3854							
9493	11	12.2366	17.8120	18	23.4191	5.9843							
9494	24§	6.7917	18.0608	25§	17.9693	6.0163							
9495	5	7.1689	18.1293	6	18.3449	6.1015							
9496				4	18.7597	6.7646							
9497	6	7.8642	18.7128	5	19.0140	6.7122							
9498	5*	8.1869	18.3815	7	19.3497	6.3945							
9499	6	9.1945	18.5242	8	20.3487	6.5750							
9500	4†	9.6216	18.2970	5	20.7828	6.3691							
9501	5†	10.7887	17.9802	5	21.9646	6.0967							
9502	4*	11.3005	18.7109	3	22.4465	6.8483							
9503	29§	4.0163	19.5357	27§	15.1365	7.3784							
9504				4	16.0574	7.2344							
9505	38§	8.5967	19.8229	40§	19.6972	7.8504							

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.



R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 10 <sup>m</sup> —contd.							R.A. 23 <sup>h</sup> 10 <sup>m</sup> to 23 <sup>h</sup> 20 <sup>m</sup>						
Centre		R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +68°		R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. +69°		Centre		R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. +68°		R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. +69°			
Plate 2838. 1895, Sept. 10.		Plate 3260. 1896, Sept. 28.		Plate 2822. 1895, Sept. 2.		Plate 3260. 1896, Sept. 28.							
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
9559	12	23°59'06	15°46'69	14	12°34'93	3°23'03	9618	26§	16°83'38	24°40'02	23§	5°99'63	12°45'71
9560	8	23°73'01	15°09'30	8	12°47'26	2°85'15	9619	22§	17°56'64	24°33'52	18	6°72'62	12°35'85
9561	46§	23°78'47	15°36'53	41§	12°53'95	3°11'98	9620	4*	15°29'95	25°19'48	5*	4°50'25	13°31'68
9562	3*	21°60'46	16°34'77	2*	10°40'65	4°20'04	9621	7	15°87'51	25°15'26	10	5°07'55	13°25'35
9563	3*	23°89'49	16°79'04	4*	12°71'50	4°53'75	9622	5*	17°60'75	25°85'44	5	6°83'72	13°87'52
9564	18§	24°43'53	16°15'43	16	13°22'51	3°87'86	9623	60§	22°53'18	25°35'39	38§	11°73'00	13°15'54
9565	20§	15°42'37	17°45'07	21	4°27'90	5°57'71	9624	7*	23°46'42	26°03'24	6	12°69'43	13°79'28
9566	4	17°26'60	17°74'43	3*	6°13'32	5°78'72	9625				3	12°87'35	13°90'11
9567	22§	19°01'48	17°69'66	22§	7°87'57	5°66'43		58§	26°05'20	20°85'21			
9568	11	19°47'42	17°22'23	12	8°31'40	5°16'70							
9569	10	19°70'45	17°62'66	10	8°56'22	5°56'35							
9570	8	20°42'23	17°73'92	8	9°28'66	5°64'16							
9571	3*	20°57'32	17°43'99	3	9°42'43	5°33'60							
9572	39§	20°94'00	17°44'84	36§	9°78'96	5°32'83							
9573	3*	21°31'68	17°37'98	3*	10°16'58	5°24'19							
9574	12	21°88'65	17°68'52	11	10°74'67	5°52'23							
9575	3*	22°42'01	17°30'39	3†	11°26'87	5°11'66							
9576	18	22°54'39	17°00'33	18	11°37'39	4°81'24							
9577	10	23°02'48	17°81'50	8	11°88'99	5°60'20							
9578	14	24°68'83	17°56'64	12	13°54'03	5°27'70							
9579	4*	15°50'42	18°32'19	2*	4°39'98	6°44'61							
9580	5	19°88'27	18°48'65	4	8°77'90	6°41'07							
9581	20§	19°93'36	18°85'48	19	8°84'67	6°77'60							
9582	23§	20°53'48	18°44'03	22§	9°42'87	6°33'61							
9583	5	21°31'58	18°11'75	4	10°19'70	5°98'03							
9584	4†	23°49'57	18°37'07	4	12°38'10	6°13'60							
9585													

1 réseau interval represents very nearly  $5' = 53^{\text{s}}.4$  of R. A. at Dec.  $+ 68^{\circ}$ , and  $55^{\text{s}}.8$  at Dec.  $+ 69^{\circ}$ .

## ZONE + 68°.

R.A. 23 <sup>h</sup> 10 <sup>m</sup> to 23 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 20 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2822. 1895, Sept. 2.				Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3260. 1896, Sept. 28.				Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 68° Plate 2822. 1895, Sept. 2.				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 640. 1892, Nov. 1.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	
9669	2*	10°0580	20°7670	4	20°8679	8°7766	°	9716	5†	23°5773	15°1644	5*	12°3527	2°9392	°	
9670	17	11°6569	20°2175	24§	22°4890	8°2867	68 1371	9'5	9717	8	18°0509	16°4752	5*	6°8826	4°4755	
9671	8	12°7236	20°4745	16	23°5400	8°5843		9718	12	19°7251	16°4855	11	8°5569	4°4163		
9672				7	15°9298	9°5144		9719	4*	20°8250	16°2566	4*	9°6416	4°1432		
9673				4	17°4263	9°6835		9720	6*	21°4795	16°6808	5†	10°3168	4°5412		
9674	4*	7°8725	21°0782	8	18°6692	9°0135		9721	13	24°3891	16°3858	16	13°2097	4°1253		
9675	8	8°1077	22°0298	16	18°8711	9°9703		9722	47§	15°6688	18°8245	53§	4°6000	6°9213	68 1376	
9676	5	9°4643	21°3442	9	20°2525	9°3348		9723	11	20°0738	18°9385				7'2	
9677	5*	10°1430	21°1676	9	20°9390	9°1843		9724	7	20°9656	18°8708	6	9°8898	6°7475		
9678	2*	10°8188	21°6762	5	21°5900	9°7165		9725	4	16°9651	19°0977	3*	5°9065	7°1407		
9679	24§	12°5148	21°6532	35§	23°2903	9°7527	68 1372	9'0	9726	4*	18°0599	20°6018	3*	7°0601	8°5965	
9680				5	15°8357	10°5250		9727	11	21°2792	20°2438	8	10°2609	8°1087	68 1379	
9681				2	16°4430	10°0538		9728	7	23°8255	20°0100	8	12°7915	7°7683	9'5	
9682	5*	5°8171	22°1599	10	16°5807	10°0168		9729	6	17°7324	21°4271	6	6°7659	9°4360		
9683				5	18°5080	10°0080		9730	7	19°3261	21°5056	6	8°3604	9°4470		
9684	5	11°8223	22°3366	10	22°5712	10°4080		9731				4†	12°3477	9°6317		
9685	8	13°0183	22°1867	20	23°7779	10°3046		9732	37§	14°2780	22°7951	42§	3°3717	10°9425	68 1375	
9686	8	13°2271	22°0393	19	23°9950	10°1664		9733	20§	16°6640	22°6468	20§	5°7464	10°6380	68 1377	
9687				4	16°4198	11°9923		9734	6	17°7380	22°5593	7	6°8176	10°5648		
9688	7	5°8147	23°1506	15	16°5402	11°0108		9735				6	13°8419	10°7987		
9689	6†	8°3025	23°8701	13	19°0000	11°8158		9736	10	18°7122	23°7553	11	7°8383	11°7209		
9690	12	9°0728	23°0697	20§	19°7993	11°0453	68 1367	9'4	9737	23§	17°8471	24°0637	20§	6°9855	12°0637	68 1378
9691				5	19°9295	11°1028		9738	24§	21°8269	24°4783	21§	10°9773	12°3110	68 1380	
9692				6	22°1935	11°4257		9739				7	13°9300	13°1070	9'3	
9693	4*	12°4517	23°5686	8	23°1568	11°6649						26§	1°1507	1°6513	67 1522	
9694	8	13°2393	23°7642	17	23°9385	11°8855						24§	13°9850	1°2925	67 1533	
9695	22	4°4638	24°8002	21§	15°1317	12°6048						35§	1°6030	7°6903	68 1373	
9696				7	16°0675	12°7043						31§	1°5624	9°8738	68 1372	
9697	19	11°6191	24°2029	25§	22°3013	12°2658	68 1370	9'4							9'0	
9698	27§	12°7137	24°1817	36§	23°3990	12°2859	68 1374	9'1								
9699				5	14°0795	13°1043										
9700	10	3°8973	26°0657	20§	14°5214	13°8486										
9701				5	17°5615	13°0928										
9702	3*	7°7139	25°8239	13	18°3425	13°7458										
9703	11	10°4365	25°6218	21§	21°0700	13°6426	68 1369	9'5								
9704				8	24°4416	13°2377										
				46§	23°5103	1°5214	67 1522	8'5	9740	12	2°9568	14°0539	6	14°2716	1°7541	°
				70§	26°5471	7°0432	68 1376	7'2	9741	5	3°0825	14°5059				m.
				49§	25°0103	10°9558	68 1375	8'2	9742	8	4°0005	14°7672	7	15°2871	2°5125	
	35§	1°5311	15°4120				67 1508	8'4	9743	9	4°1548	14°5734	8	15°4479	2°3238	
									9744	11	8°4468	14°1538	9	19°7521	2°0773	
									9745	8	9°5011	14°1341	6*	20°8088	2°1012	
									9746	6	10°0378	14°2746	5*	21°3393	2°2591	
									9747	3	11°2815	14°5260				
									9748	12	6°5658	15°4565	10	17°8226	3°3038	
									9749	4	7°6159	15°9930	4*	18°8477	3°8832	
									9750	9	9°7815	15°0753	5*	21°0514	3°0541	
									9751	7	10°7400	15°6589	4*	21°9849	3°6714	
									9752	58§	10°9443	15°4240	69§	22°1989	3°4459	67 1557
									9753	6	3°3818	16°9750	6	14°5784	4°6935	8'0
									9754	18§	5°7616	16°5240	21§	16°9768	4°3351	67 1544
									9755	23§	6°0852	16°4621	28§	17°3013	4°2868	67 1545
									9756	29§	7°7601	16°1307	36§	18°9893	4°0240	67 1550
									9757	27§	11°8919	16°0838	38§	23°1209	4°1451	67 1558
									9758	17§	12°6755	16°8512	20	23°8703	4°9424	9'0
									9759	8	13°0839	16°2856	6*	24°3003	4°3966	67 1560
									9760	6	13°1963	16°4605				9'5
									9761	9	2°8697	17°7032	7	14°0368	5°3961	
									9762	6	3°3240	17°4148	6†	14°5052	5°1271	

1 réseau interval represents very nearly 5' = 53°.4 of R.A. at Dec. +68°, and 55°.8 at Dec. +69°.



## ZONE + 68°.

R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°				R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			
Plate 2900. 1895, Sept. 30.				Plate 640. 1892, Nov. 1.				Plate 2900. 1895, Sept. 30.				Plate 2937. 1895, Nov. 13.			
No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.	No.	Diam.	<i>x.</i>	<i>y.</i>	Diam.	<i>x.</i>	<i>y.</i>	B. D.
							No. Mag.								No. Mag.
9763	4*	8.4847	18.2273	3*	19.6244	6.1486	° m.	9813	5	24.3369	15.9550	10	13.1956	3.6413	° m.
9764	4	8.6463	19.1616					9814	4	15.6975	16.4817	7	4.5855	4.5230	
9765	9	9.7292	19.7743	8	20.8083	7.7437		9815	10	16.8416	16.6148	21	5.7351	4.6080	
9766	9	12.1805	19.9050	10	23.2486	7.9745	68 1388 9.5	9816	4	16.9355	16.5538	8	5.8272	4.5452	
9767	5	12.4209	19.7893					9817	3	19.0473	17.0701	7	7.9563	4.9740	
9768	6	13.2412	19.2778	5*	24.3386	7.3916		9818	8	22.1333	16.2282	14	11.0030	4.0065	
9769	25§	6.4408	20.3521	29§	17.4987	8.1885	68 1384 8.0	9819	8	22.3151	16.8427	14	11.2139	4.6128	
9770	8	6.8786	20.2857	7	17.9356	8.1415		9820	26§	22.9880	17.1079	31§	11.8963	4.8478	67 1572 9.1
9771	4	7.5602	20.3046					9821	8	24.0928	17.1480	13	13.0033	4.8423	
9772	37§	13.0659	20.1112	46§	24.1281	8.2164	68 1391 8.5	9822	3†	14.2594	16.9657	6	3.1674	5.0689	
9773	17§	13.1132	20.0805	26§	24.1763	8.1902		9823	4	21.8587	17.6421	10	10.7880	5.4296	
9774	3	13.6882	20.6514					9824	9	22.4844	17.6798	17§	11.4152	5.4403	
9775	4	6.2552	21.2159	3*	17.2772	9.0451		9825	10	22.6696	17.2643	17§	11.5848	5.0158	
9776	3	6.2701	21.7108	3	17.2728	9.5407		9826	4*	22.6738	18.2165	6	11.6260	5.9695	
9777	13	11.4060	21.4708	13	22.4118	9.5084		9827	5	15.6404	18.9555	12	4.6290	6.9995	
9778	(19)	3.9130	22.3613	20§	14.8910	10.0940	68 1381 9.3	9828	4	16.7080	18.6089	8	5.6814	6.6076	
9779	14	4.1322	22.9138	10	15.0870	10.6557		9829	6	18.8378	19.0055	12	7.8270	6.9153	
9780	5*	4.4199	22.3726	4*	15.3942	10.1266		9830	4	19.2472	18.6277	9	8.2182	6.5238	
9781	4†	7.2408	22.0171					9831				3	9.3160	6.8484	
9782	6	10.1812	22.4245	5	21.1518	10.4112		9832	10	21.7597	18.8225	15	10.7376	6.6143	
9783	7	10.3910	22.9273	6	21.3409	10.9223		9833	23§	22.4820	18.6955	26§	11.4539	6.4561	
9784	9	3.7290	23.9328	8	14.6392	11.6572		9834				7	11.9835	6.5920	
9785	5	7.7190	23.8716	4†	18.6288	11.7601		9835	12	23.3499	19.1347	19§	12.3409	6.8580	
9786	6	8.6319	23.7181	4†	19.5514	11.6447		9836	20	24.4396	18.6751	24§	13.4121	6.3543	68 1407 9.5
9787	3	10.3791	23.3033					9837	19	16.5726	19.9628	23§	5.6024	7.9653	68 1395 9.2
9788	38§	6.9093	24.2261	40§	17.8074	12.0771	68 1385 8.6	9838	14	16.6181	19.9508	21§	5.6458	7.9504	
9789	4	8.2507	24.8898	5	19.1188	12.7992		9839				4	7.8138	7.7770	
9790	28§	8.2716	24.5054	27§	19.1576	12.4123	68 1386 9.4	9840	5	22.9165	19.6677	10	11.9273	7.4100	
9791	6	10.8342	24.6051	5†	21.7131	12.6168		9841	5*	24.6979	19.7660	9	13.7128	7.4349	
9792	28§	10.9203	24.0853	38§	21.8191	12.1018	68 1387 8.9	9842	6	14.9024	20.2426	13	3.9448	8.3133	
9793	5	11.5262	24.7456	4*	22.3988	12.7872		9843	3*	15.4840	20.7125	5	4.5447	8.7596	
9794	10	4.7944	25.6234	8	15.6352	13.3903	68 1383 9.0	9844	2*	19.4393	20.4060	4	8.4863	8.2904	
9795				3	16.4038	13.8922		9845	4	19.4949	20.4123	8	8.5423	8.2962	
9796	4*	6.7081	25.0486	4*	17.5710	12.8941		9846				5	11.7212	8.2420	
9797	9	8.8104	25.6365	7	19.6495	13.5679		9847	3*	23.1577	20.3317	7	12.1935	8.0655	
9798	5	10.3864	25.8318	3*	21.2158	13.8267		9848	4	15.8107	21.5789	8	4.9057	9.6150	
9799	5	10.5556	25.0220	5*	21.4172	13.0227		9849	8	16.8569	21.9622	15	5.9690	9.9518	
9800	10	12.6700	25.1267	6	23.5256	13.2151	68 1390 9.5	9850	28§	19.2777	21.9586	24§	8.3868	9.8495	68 1400 8.9
								9851	3*	19.5135	21.9345	5	8.6213	9.8158	
				32§	26.1934	12.9326	68 1394 9.2	9852	8	21.2590	21.2218	13	10.3346	9.0315	
								9853	25§	21.4241	21.3574	29§	10.5073	9.1612	68 1403 9.1
								9854	11	23.2817	21.7325	17§	12.3780	9.4589	
								9855	9	23.6585	22.1306	12	12.7690	9.8411	
								9856				3	12.7820	9.8514	
								9857	15	15.9695	22.5141	20§	5.1045	10.5413	
								9858	3*	16.4317	22.7589	5	5.5787	10.7672	
								9859	9	18.5042	22.4128	13	7.6319	10.3349	
								9860	3*	18.9587	22.6560	5	8.0943	10.5600	
								9861	29§	19.1383	23.0542	33§	8.2913	10.9498	68 1399 8.8
								9862				5	12.6185	10.7387	
								9863	5	15.7512	23.7037	7	4.9352	11.7356	
								9864	5	17.3283	23.2074	10	6.4913	11.1772	
								9865				4	7.6930	11.4300	
								9866	22§	18.9943	23.6108	26§	8.1723	11.5117	68 1398 9.1
								9867	12	19.4340	23.8464	16	8.6215	11.7314	68 1401 9.5
								9868				5	11.4738	11.5374	
								9869				6	12.9210	11.5943	
								9870				8	13.2222	11.8925	
								9871				5	3.4271	12.4076	

No. 9778, Plate 2900. The 6<sup>min.</sup> image is not measurable. The diameter given is that of the 3<sup>min.</sup> image.  
 No. 9769. B.D. 68° 1384. The declination given in the B.D. appears to be about 2' too large.

No. 9836. B. D. 68° 1407. The declination given in the B.D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 53".4 of R.A. at Dec. + 68°, and 55".8 at Dec. + 69°.

ZONE + 68°.

R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>							R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>										
Centre		R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 68°		R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		Plate 2900. 1895, Sept. 30.		Centre		R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 68°		R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		Plate 2304. 1894, Oct. 24.		Plate 2937. 1895, Nov. 13.	
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
9872	28§	15°3243	24°7373	38§	4°5510	12°7867	68° 1394	m.	9905	21§	7°3467	18°3495	24§	18°4166	6°3349	68° 1415	m.
9873	4*	18°2398	24°9765	6	7°4771	12°9088		9°2	9906	5	8°7605	18°8451	10	19°8089	6°8852		9°
9874	17	18°9968	24°8240	20§	8°2243	12°7250			9907	9	10°5630	18°2384	19	21°6327	6°3501	68 1419	9°5
9875				4	11°4608	12°7486			9908	24§	4°4440	19°1641	25§	15°4845	7°0345	68 1410	9°4
9876				4†	13°1209	12°7608			9909	13§	6°6954	19°8679	20§	17°7033	7°8260		
9877	17§	14°4636	25°4203	23§	3°7203	13°5067			9910	10	5°3742	21°0068	17	16°3391	8°9111		
9878				4	6°2044	13°9457			9911	23§	13°8649	20°7233	35§	24°8365	8°9623	68 1425	9°4
9879	5†	17°6666	25°9852	9	6°9408	13°9403			9912	19§	5°5120	21°2848	22§	16°4670	9°1937	68 1411	9°5
9880	27§	17°8048	25°4424	28§	7°0587	13°3884	68 1396	9°3	9913	5	6°7318	21°8262	9	17°6623	9°7832		
9881	28§	18°0828	25°7557	27§	7°3512	13°6925	68 1397	9°1	9914	6	8°4526	21°5029	12	19°3957	9°5265		
9882	43§	19°9162	25°4723	52§	9°1667	13°3331	68 1402	8°1	9915	15	10°4261	20°8982	22	21°3920	9°0028		
9883	5	20°6587	25°9813	10	9°9300	13°8110			9916	25§	10°6795	21°7738	29§	21°6111	9°8855	68 1420	9°3
9884				7	10°6930	13°2313			9917				3	22°2449	9°8759		
9885	18§	22°0616	25°4722	25§	11°3138	13°2436	68 1405	9°4	9918	21§	3°3747	22°7775	24§	14°2744	10°6021	68 1409	9°5
									9919				5	15°5984	10°9810		
	38§	21°6213	26°6857	47§	2°1044	8°2585	68 1391	8°5	9920				4	16°8139	10°5699		
							68 1404	9°0	9921				3†	17°3580	10°3846		
									9922	15	6°8661	22°1093	20§	17°7861	10°0714	68 1413	9°4
									9923	13	6°9910	22°3932	22§	17°9028	10°3614		
									9924	3*	12°2612	21°8653	6	23°1907	10°0398		
									9925	17	5°0725	23°9409	22	15°9206	11°8318		
									9926				3	16°7316	11°7827		
									9927				3	17°2876	11°6670		
									9928	48§	6°9965	23°4390	53§	17°8639	11°4054	68 1414	7°8
									9929	16	12°7408	23°2707	24§	23°6123	11°4639	68 1424	9°5
									9930				6	23°8241	11°4941		
									9931	9	5°7225	24°5043	18	16°5507	12°4217		
									9932	41§	6°4888	24°8527	38§	17°3042	12°7967	68 1412	8°3
									9933	8	10°3564	24°8604	16	21°1652	12°9581		
									9934	38§	11°6438	24°2150	34§	22°4808	12°3640	68 1421	9°3
									9935	7*	4°4102	25°7874	13	15°1890	13°6509		
									9936				4	16°1552	13°6099		
									9937	16	5°4902	25°9226	21§	16°2626	13°8296		
									9938	33§	9°5667	25°5579	33§	20°3498	13°6229	68 1416	8°7
									9939				3	22°9277	13°5703		
													45§	20°8971	1°3104	67 1589	8°0
													50§	21°3952	1°1091	67 1592	9°0
													54§	23°2026	1°6560	67 1593	9°1
													67§	26°5076	3°1719	67 1600	7°8
													85§	25°2618	6°0953	68 1426	7°0
																68 1417	8°0
																68 1418	7°5



## ZONE + 69°.

R. A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 10 <sup>m</sup>								R. A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R. A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R. A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R. A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R. A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 2839. 1895, Sept. 10.				Plate 2375. 1894, Nov. 21.				Plate 2839. 1895, Sept. 10.				Plate 2375. 1894, Nov. 21.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

No. 67. B. D. 69° 2. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 55".8 at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2839. 1895, Sept. 10.				R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2922. 1895, Oct. 17.				Centre R.A. 0 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2839. 1895, Sept. 10.				R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2922. 1895, Oct. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
86	10	15°5958	15°1468	5*	5°3374	3°1618	°	145	9	17°4969	24°9848	6	7°2789	12°9271	°
87	19§	17°1373	15°6515	14	6°5355	3°6179		146	5†	17°6979	24°1062				m.
88	4	18°2558	15°7412					147	5	14°6141	25°8484	3*	4°4333	13°9126	
89	24§	19°0551	15°7255	20	8°4552	3°6127	68 13	148	10	18°3972	25°6903	8	8°2080	13°5954	
90	16§	20°2863	15°0438	12	9°6552	2°8799		149	7	19°6136	25°2634	5	9°4017	13°1220	
91	10	20°4719	15°7613	5*	9°8702	3°5906		150	8	19°7923	25°7708	5*	9°6043	13°6211	
92	9	21°8893	15°2877	3*	11°2684	3°0621		151	17	20°3301	26°0297	10	10°1510	13°8555	
93	18	24°4025	15°2636	12	13°7780	2°9298			53§	25°7817	16°8254				68 22 8·7
94	9	24°5129	15°3631	4*	13°8917	3°0235									
95	21§	14°5826	16°3650	17	4°0123	4°4376	68 8								
96	9	15°7071	16°6301	4*	5°1503	4°6536									
97	6	17°6426	16°8254												
98	14	21°8104	16°8012	8	11°2516	4°5754									
99	29§	22°9683	16°6324	23§	12°4016	4°3562	68 16								
100	5	23°7905	16°4720												
101	7	14°1301	17°0005												
102	13	18°3080	17°5317	9	7°7818	5°4483		152	28§	3°3610	14°3353	21	14°2626	2°0850	°
103	24§	20°3448	17°7903	20	9°8274	5°6226	69 16	153	15	4°0847	14°9105	6	14°9590	2°6881	m.
104	11	21°2124	17°1612	7	10°6689	4°9580		154	8	4°3569	14°7598	3	15°2415	2°5485	
105	6	21°3936	17°0155	3*	10°8407	4°8051		155	4	12°5930	14°7882				
106	5	23°8571	17°5856	3*	13°3291	5°2696		156	27§	4°2232	15°3741	21	15°0835	3°1570	68 20 9·4
107	32§	24°4090	17°4166	23§	13°8741	5°0840		157	8	4°6466	15°4613	2*	15°5024	3°2618	
108	4	15°1620	18°8444					158	20	3°3445	16°7003	12	14°1518	4°4483	
109	40§	16°1076	18°4386	33§	5°6206	6°4444	69 13	159	24§	4°2664	16°4845	17	15°0818	4°2698	
110	13	16°8690	18°7199	8	6°3950	6°6936		160	44§	4°4132	16°6446	37§	15°2217	4°4354	68 22 8·7
111	5	17°5713	18°0663					161	22§	6°2092	16°9645	18	17°0033	4°8263	69 20 9·5
112	40§	18°5386	18°0253	35§	8°0332	5°9322	69 15	162	80§	8°9033	16°8052	56§	19°7091	4°7751	68 29 7·2
113	6	19°6540	18°6774	3*	9°1721	6°5376		163	64§	13°2595	16°1852	55§	24°0838	4°3269	68 35 9·0
114	7	20°7476	18°9411	4*	10°2769	6°7542		164	6	4°8995	18°6152				
115	4	21°2465	18°2510					165	10	5°4041	18°9581	4	16°1219	6°7845	
116	5	21°2607	18°4945					166	21§	11°2015	18°9765	15	21°9131	7°0355	69 24 9·5
117	12	22°3058	18°1993	7	11°8055	5°9520		167	13	12°9165	18°6978	4*	23°6405	6°8244	
118	7	22°7274	18°6174	4	12°2434	6°3529		168	5	5°6879	19°8462				
119	22	24°2406	18°1437	15	13°7348	5°8139		169	10	3°7717	20°0565	5†	14°4444	7°8175	
120	8	24°2432	18°7604	4	13°7631	6°4298		170	5	6°0637	20°7446	3*	16°7064	8°5956	
121	8	15°4191	19°6554	6	4°9833	7°6898		171	19	12°8321	20°4288	12	23°4837	8°5529	69 27 9·5
122	4†	16°9724	19°0122					172	12	3°7071	21°5948	5	14°3212	9°3529	
123	6	17°4265	19°2457	4*	6°9723	7°1968		173	18	4°6983	21°2143	8	15°3217	9°0098	
124	34§	17°8448	19°9579	27§	7°4193	7°8896	69 14	174	5	11°1665	21°6049				
125	8	18°7293	19°1678	4†	8°2699	7°0664		175	6	10°4844	22°0263	2*	21°0756	10°0529	
126	14	19°9108	19°7889	10	9°4782	7°6363		176	13	11°9152	22°6041	5	22°4808	10°6872	
127	9	20°4534	19°4782	7	10°0025	7°3009		177	6	13°1146	22°6260				
128	33§	21°1074	19°4400	26§	10°6561	7°2418	69 17	178	9*	6°1061	23°7169	4	16°6319	11°5689	
129	47§	23°0901	19°1710	36§	12°6288	6°8877	69 18	179	34§	6°8873	23°6504	24§	17°4140	11°5354	69 21 9·4
130	5†	23°6054	19°6858	3*	13°1601	7°3813		180	9	11°6337	23°5340	4*	22°1629	11°6053	
131	25§	24°3610	19°9297	14	13°9276	7°5942		181	10	8°6825	24°5783	5†	19°1719	12°5333	
132	9	14°3451	20°8451	6*	3°9619	8°9221		182	20	13°4297	24°0400	12	23°9351	12°1856	
133	10	16°8478	20°2620	6†	6°4380	8°2367		183	10*	3°8716	25°5123	5	14°3240	13°2719	
134	7	17°1851	20°2096	5*	6°7727	8°1710		184	9	5°0714	25°1545	5*	15°5377	12°9640	
135	20§	18°9840	20°5374	16	8°5827	8°4253		185	6	5°4035	25°8837	4	15°8424	13°7047	
136	5*	23°1497	20°4096	3*	12°7341	8°1249		186	24	6°0450	25°9358	8	16°4805	13°7854	
137	9	14°6065	22°8916	4*	4°3098	10°9551		187	28	6°2071	25°2476	11	16°6721	13°1033	
138	26§	17°5750	22°5123	24§	7°2531	10°4553		188	30	7°7459	25°8759	16	18°1843	13°7924	69 22 9·5
139	6	17°5947	22°1506	2*	7°2578	10°0937		189	7	9°5458	25°2600	5	20°0038	13°2502	
140	21	22°6258	22°4704	10	12°2998	10°2078		190	(8)	10°0154	25°4575	7	20°4716	13°4652	
141	9	17°6164	23°3603	5†	7°3304	11°2981		191	28§	10°1137	25°4174	21§	20°5694	13°4286	69 23 9·2
142	12	22°1791	23°3364	5	11°8890	11°0888		192	13	13°7531	25°1313	6	24°2162	13°2902	
143	20§	15°6579	24°4281	14	5°4189	12°4469		193	9	6°5886	26°0388	5	17°0175	13°9105	
144	6	16°0228	24°4582	4*	5°7828	12°4628			52§	19°183	19°1982				69 18 8·4

Plate 531, No. 190. The 6<sup>min.</sup> image coincides with a fault in the plate, and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

1 *réseau* interval represents very nearly 5' = 55<sup>s</sup>·8 at Dec. + 69°, and 58<sup>s</sup>·5 at Dec. + 70°.



## ZONE + 69°.

R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup>									R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup> —contd.															
Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. +69°			R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. +69°			R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. +69°			R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°									
Plate 531. 1892, Aug. 30.			Plate 3652. 1897, Oct. 3.			Plate 531. 1892, Aug. 30.			Plate 3652. 1897, Oct. 3.			Plate 531. 1892, Aug. 30.			Plate 3652. 1897, Oct. 3.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								No.																
194	19	18.8206	14.7066	208	8.1316	2.7352	68°	41	9.5	253	4	21.0792	21.1565	6	10.6675	9.0845								
195	7	20.1005	14.1727	6	9.3990	2.1469				254	6	22.5329	21.1993	6	12.1188	9.0623								
196	4*	20.8462	14.6785	5*	10.1551	2.6220				255	5*	23.4247	21.6180	7	13.0288	9.4425								
197	3*	24.1000	14.9140	6*	13.4122	2.7196				256	4*	23.8859	21.6338	3*	13.4917	9.4405								
198	6*	14.1381	15.4867	7*	3.4864	3.7153				257	4*	14.0406	22.4777	4*	3.6907	10.7044								
199	278	14.2232	15.7502	298	3.5823	3.9748				258	4*	14.8335	22.1428	4*	4.4679	10.3373								
200	588	14.3890	15.6080	608	3.7439	3.8249	68	37	8.3	259	4*	14.9661	21.9775	4*	4.5914	10.1683								
201	3*	17.2062	15.5745	5†	6.5578	3.6748				260	9	14.9580	22.6199	9	4.6104	10.8092								
202	15	18.3942	15.2382	178	7.7293	3.2855				261	11	17.2150	22.7856	11	6.8746	10.8753								
203	4*	21.1474	15.5367	5*	10.4907	3.4650				262	8	17.7364	22.6708	6	7.3900	10.7398								
204	10	21.6298	15.5596	11	10.9777	3.4684				263	10	18.2857	22.4593	9	7.9303	10.5050								
205	6	21.7216	15.8299	6	11.0798	3.7342				264	5	19.2027	22.5237	5	8.8503	10.5288								
206	4*	22.4098	15.8605	5†	11.7687	3.7349				265	7	20.0658	22.5233	6	9.7105	10.4941								
207	4*	22.6991	15.2200	4*	12.0297	3.0815				266	7	20.7313	22.4765	6	10.3755	10.4177								
208	4*	23.3137	16.1250	4*	12.6829	3.9600				267	408	21.9348	22.2608	378	11.5666	10.1508	69	38	9.4					
209	16	23.8078	15.3290	13	13.1415	3.1421				268	4	22.4999	23.0198	6	12.1648	10.8820								
210	11	16.5059	16.4789	11	5.8970	4.6048				269	4*	22.8370	23.0855	5*	12.5027	10.9370								
211	7*	16.7239	16.3060	10	6.1077	4.4212				270	4*	23.9371	22.5778	4*	13.5812	10.3785								
212	12	17.2016	16.8766	10	6.6090	4.9723				271	17	24.1540	22.4608	13	13.7948	10.2532								
213	8	18.8286	16.7158	9	8.2267	4.7415				272	14	14.9037	23.5473	128	4.5997	11.7368								
214	4	21.5038	16.6555	4*	10.8985	4.5668				273	14	15.8146	23.4686	158	5.5044	11.6209								
215	188	22.0910	16.5206	188	11.4781	4.4083				274	10	15.9097	23.4366	9	5.5991	11.5824								
216	10	24.1936	16.3860	11	13.5729	4.1830				275	5*	16.1361	23.2694	5	5.8169	11.4027								
217	15	24.3365	16.2666	148	13.7097	4.0592				276	8	16.8687	22.9973	8	6.5388	11.1018								
218	4*	24.4741	17.0319	6	13.8795	4.8177				277	4†	17.0688	23.0951	4	6.7398	11.1916								
219	3*	17.3044	17.6425	5†	6.7407	5.7380				278	238	17.2247	23.4720	298	6.9118	11.5608	69	30	9.5					
220	4*	19.4566	17.3534	4*	8.8801	5.3517				279	4	17.4908	23.0807	4*	7.1633	11.1590								
221	5*	21.6078	17.7897	6	11.0500	5.6958				280	5*	18.5988	23.9619	4*	8.3065	11.9880								
222	4*	22.1572	17.2138	4*	11.5720	5.0981				281	3*	18.8853	23.7717	4*	8.5880	11.7917								
223	17	22.1904	17.5812	188	11.6217	5.4619				282	4*	20.2787	23.2368	4*	9.9592	11.1922								
224	10	24.3527	17.5911	8	13.7830	5.3810				283	408	20.7535	23.4982	418	10.4398	11.4354	69	33	8.9					
225	4*	14.2396	17.9880	6*	3.6985	6.2120				284	6	20.8832	23.7057	6	10.5789	11.6397								
226	238	14.5671	17.8811	248	4.0195	6.0900				285	6*	20.9706	23.5783	6	10.6605	11.5084								
227	10	15.6274	18.7760	14	5.1177	6.9375				286	9	21.0140	23.1309	8	10.6833	11.0600								
228	14	18.3506	18.8463	158	7.8386	6.8900				287	10	21.3222	23.6542	7	11.0163	11.5678								
229	9	18.8020	18.5889	12	8.2808	6.6149				288	308	21.6593	24.0258	268	11.3688	11.9240	69	37	9.5					
230	8	21.2048	19.0400	6	10.7003	6.9615				289	6*	21.9726	23.6679	5	11.6648	11.5521								
231	258	21.4263	18.8144	248	10.9113	6.7293	69	36	9.5	290	13	22.3167	23.1690	118	11.9895	11.0378								
232	298	22.6138	18.3490	248	12.0792	6.2126				291	21	22.3115	23.6612	158	12.0058	11.5338	69	40	9.5					
233				4†	13.2048	6.4777				292	408	23.3839	23.3627	378	13.0605	11.1895	69	42	9.4					
234	9	14.3195	19.6132	10	3.8470	7.8300				293	6*	23.8545	23.3003	5	13.5303	11.1075								
235	8	15.0108	18.9167	10	4.5077	7.1038				294	9†	14.1166	23.8939	10	3.8263	12.1172								
236	3*	15.6834	18.9770	5*	5.1812	7.1354				295	4†	14.3857	23.9139	5	4.0987	12.1267								
237	6	16.2165	19.7243	8	5.7451	7.8610				296	8	14.9191	24.2498	9	4.6444	12.4396								
238	238	18.4840	19.8370	248	8.0155	7.8752	69	31	9.5	297	17	15.6513	24.8238	178	5.3998	12.9808								
239	6	19.5252	19.2799	6	9.0310	7.2736				298	6	16.8465	24.1406	6	6.5670	12.2476								
240	4	20.7248	19.1230	5	10.2233	7.0694				299	14	18.8753	24.9094	9	8.6245	12.9280								
241	4*	21.4551	19.3612	4†	10.9632	7.2741				300	8	19.3762	24.0625	7	9.0900	12.0595								
242	4	21.9143	19.5327	4*	11.4316	7.4263				301	4*	19.5506	24.8749	4*	9.2973	12.8620								
243	21	23.5890	20.1480	168	13.1292	7.9660				302	7	20.7940	24.4610	8	10.5202	12.3989								
244	3*	14.6008	20.4267	5	4.1607	8.6305				303	25	21.2527	24.8740	168	10.9988	12.7912								
245	4*	15.4425	19.8428	5†	4.9815	8.0116				304	16	21.6658	25.0623	10	11.4194	12.9600								
246	9	21.7595	20.2717	9	11.3086	8.1712				305	248	22.0110	24.8622	13	11.7555	12.7460								
247	4*	22.1879	20.7810	6	11.7566	8.6599				306	33	22.6750	24.5817	198	12.4061	12.4381								
248	6*	22.8630	20.3667	5*	12.4119	8.2179				307	5*	24.0860	24.4767	6	13.8103	12.2684								
249	13	14.2639	21.2870	148	3.8606	9.5057				308	6	14.1533	25.7062	6	3.9400	13.9258								
250	208	18.5719	21.4715	198	8.1724	9.5059				309	13	16.4036	25.2374	148	6.1690	13.3613								
251	15	19.2970	21.1418	148	8.8822	9.1451				310	4*	17.1165	25.2856	4	6.8843	13.3799								
252	8	21.0535	21.6120	6	10.6595	9.5409				311	18	18.0130	25.5043	158	7.7863	13.5586								

## ZONE + 69°.

R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 0 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 531. 1892, Aug. 30.				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3652. 1897, Oct. 3.				Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 69° Plate 2298. 1894, Oct. 22.				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3652. 1897, Oct. 3.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 69°.

R.A. 0 <sup>h</sup> 40 <sup>m</sup> to 0 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 0 <sup>h</sup> 50 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2298. 1894, Oct. 22.				R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3652. 1897, Oct. 3.					Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2298. 1894, Oct. 22.				R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4095. 1898, Aug. 19.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
								No.									No.		
								Mag.									Mag.		
419	4*	12°0143	24°6134	12	22°3817	12°8707	°	m.	463	20	18°2263	18°7636	288	7°7366	6°8305	°	m.		
420				6	23°2012	12°2747			464	408	18°8283	18°3253	498	8°3204	6°3678	69	60	9°1	
421	3*	13°1143	23°8970	9	23°5124	12°1985			465				6	8°8598	6°5204				
422				2	14°7702	13°0100			466	4*	22°3561	18°9352	13	11°8703	6°8401				
423				7	15°1781	13°9285			467	358	23°1337	18°5640	448	12°6311	6°4369	69	67	9°3	
424				6	15°3340	13°2066			468	3*	23°7779	18°3318	12	13°2696	6°1803				
425				8	17°5387	13°3586			469	408	16°0619	19°7645	408	5°6115	7°9148	69	56	9°3	
426	4*	7°6278	25°2984	11	17°9746	13°3843			470	6	17°3659	19°4975	14	6°9039	7°5962				
427	22	7°8184	25°6247	228	18°1525	13°7182			471				6	9°7318	7°5219				
428				6	18°7885	13°7336			472	4*	20°8571	19°5382	12	10°3925	7°5000				
429				6	19°0702	13°0636			473	3*	22°1215	19°8299	11	11°6699	7°7420				
430				4	21°0198	13°1409			474	6*	23°5622	19°6895	178	13°1010	7°5432				
431				6	21°0986	13°7827			475	2*	14°5034	19°8547	6*	4°0604	8°0656				
432				3	21°1418	13°8824			476	218	15°8809	20°0398	268	5°4427	8°2000				
433				4	22°0595	13°5778			477	2*	16°3441	20°4324	6†	5°9204	8°5717				
434				6	23°8202	13°5978			478	9	16°5907	20°3782	17	6°1666	8°5090	69	57	9°5	
									479				6†	6°4599	8°3666				
				378	16°1565	1°8696	68	54	8°8	480	6	17°6199	20°2768	138	7°1893	8°3653			
				508	26°6192	8°1835	69	56	9°3	481				6†	9°3695	8°0042			
				568	24°3782	13°1489	69	54	8°2	482				4	12°6060	8°0250			
				1008	25°9426	13°7460	69	55	6°8	483				7	13°0200	8°4951			
44		1°1006	22°3175				69	38	9°4	484	10	16°2831	21°5329	158	5°9040	9°6732			
9		1°5914	23°6791				69	40	9°5	485	6†	18°7116	21°9482	14	8°3486	9°9923			
40		2°6333	23°2952				69	42	9°4	486	238	19°1554	21°9018	338	8°7886	9°9303			
52		1°5070	26°1790				69	39	9°1	487				5	9°3897	9°9336			
R.A. 0 <sup>h</sup> 50 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup>									488	21	14°3647	22°2370	248	4°0140	10°4520				
Centre R.A. 0 <sup>h</sup> 50 <sup>m</sup> Dec. + 68° Plate 2298. 1894, Oct. 22.				R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4095. 1898, Aug. 19.					489	4*	14°5088	22°1908	13	4°1584	10°4009				
Plate 2298. 1894, Oct. 22.				Plate 4095. 1898, Aug. 19.					490	318	16°8023	22°3994	408	6°4572	10°5195	69	58	9°5	
435	10	20°7668	14°9258	18	10°1254	2°8942	°	m.	491				7	7°6480	10°2318				
436	10	20°7743	14°6587	16	10°1208	2°6257			492	178	19°8317	22°2828	228	9°4774	10°2820				
437	9	20°7862	14°9205	19	10°1437	2°8862			493	6*	21°8820	22°2003	15	11°5238	10°1210				
438	15	24°2589	14°2185	248	13°5864	2°0488			494	6*	23°2496	22°3177	15	12°8969	10°1835				
439	9*	24°6026	14°1801	208	13°9292	1°9990			495	4*	14°8104	23°5873	11	4°5114	11°7838				
440	3*	19°7076	15°3691	5*	9°0823	3°3776			496	20	16°0355	23°0507	268	5°7163	11°2002				
441	3*	21°9141	15°3607	10	11°2900	3°2813			497	698	20°6033	23°3795	808	10°2913	11°3484	69	63	7°5	
442	19	22°3069	15°3467	238	11°6795	3°2536			498	338	21°7098	23°6672	378	11°4100	11°5915	69	64	9°5	
443	378	23°0507	15°4130	448	12°4263	3°2911	68	69	9°5	499	628	23°1241	23°4576	648	12°8171	11°3272	69	68	8°4
444	17	23°9255	15°2106	208	13°2908	3°0533			500				7	12°9593	11°2029				
445	8*	24°5481	15°5275	178	13°9269	3°3468			501	7*	15°3398	24°8183	178	5°0902	12°9923				
446	3*	14°0634	16°4952	5*	3°4891	4°7270			502				6	6°0220	12°0810				
447	13	14°2350	15°9128	23	3°6376	4°1385			503	328	16°8206	23°8851	408	6°5320	12°0028	69	59	8°9	
448	3*	14°4481	16°6385	4*	3°8799	4°8566			504	4*	20°1314	24°6747	9	9°8700	12°6621				
449	14	14°9845	16°6108	228	4°4120	4°8066			505				15	12°1401	12°5712				
450	4*	15°7015	16°4887	11	5°1259	4°6584			506	508	14°0160	24°8112	668	3°7693	13°0407	69	54	8°2	
451	6	16°9317	16°4260	16	6°3503	4°5451			507				6	4°9072	13°7117				
452	5	21°8267	16°6171	15	11°2503	4°5429			508	838	15°6017	25°3514	1008	5°3718	13°5144	69	55	6°8	
453	23	23°2492	16°9478	298	12°6823	4°8169			509	6*	16°6336	25°3747	12	6°4016	13°5000				
454	11	14°2705	17°4282	23	3°7303	5°6506			510				12	6°4060	13°4982				
455	22	14°7052	16°9573	368	4°1475	5°1632			511	638	19°0153	25°7302	808	8°8000	13°7601	69	61	8°3	
456	4*	14°8615	17°3676	12	4°3198	5°5695			512	14	19°6533	25°1907	238	9°4163	13°1962	69	62	9°4	
457	3*	17°1291	17°5826	8*	6°5952	5°6918			R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 10 <sup>m</sup>										
458	298	19°5783	17°6889	298	9°0423	5°7018			Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1636. 1893, Dec. 1.				R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4095. 1898, Aug. 19.						
459	238	20°8041	17°2464	268	10°2517	5°2102			513	15	3°4585	14°5300	248	14°2613	2°2590	°	m.		
460	328	22°8900	17°3468	338	12°3406	5°2314			514	4	3°6698	14°8574	13	14°4609	2°5948				
461	228	16°7135	18°6415	308	6°2207	6°7659													
462	4*	18°1036	18°0247	9	7°5832	6°0958													

ZONE + 69°.

R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 1636. 1893, Dec. 1.				Plate 4095. 1898, Aug. 19.				Plate 1636. 1893, Dec. 1.				Plate 4095. 1898, Aug. 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
515	13	4.7498	14.4227	22	15.5555	2.2116	°	574	21§	5.9520	25.7710	29§	16.2584	13.5975	69° 71
516	38§	4.8663	15.0323	43§	15.6468	2.8238	68 73	575	17	6.1141	25.8149	26§	16.4191	13.6494	69 73
517	27	6.3444	15.1087	33§	17.1187	2.9618	68 75		65§	2.4111	23.6532				69 68
518	7	8.5699	14.6627	18	19.3606	2.6178									8.4
519	24	4.0185	15.7762	27§	14.7674	3.5298									
520				6†	15.9262	3.0970									
521	78§	5.8830	15.9461	92§	16.6214	3.7806	68 74								
522	4†	6.0631	15.2393	11†	16.8305	3.0800									
523	32§	6.5748	15.3516	35§	17.3393	3.2165	68 76								
524	5	7.9016	15.8361	10*	18.6411	3.7588									
525	13	10.8858	15.0775	24§	21.6592	3.1329									
526	48§	12.1160	15.0363	70§	22.8916	3.1414	68 83								
527	7	5.0185	16.8490	16§	15.7195	4.6444									
528				8	16.4524	4.1422									
529	4	6.5814	16.6215	9	17.2893	4.4876									
530	19	7.0875	16.2125	28§	17.8126	4.0987									
531	12	9.7810	16.7987	21§	20.4798	4.8020									
532	6	10.5051	15.9808	12*	21.2383	4.0181									
533	18	12.7502	16.8517	23	23.4407	4.9863									
534	6	8.3347	17.4445	13*	19.0064	5.3865									
535	10	3.9583	18.3687	21§	14.5945	6.1127									
536	6	4.3721	18.3561	10	15.0043	6.1218									
537	48§	7.1182	18.1410	50§	17.7599	6.0245	69 74								
538	34§	7.4050	18.3182	36§	18.0390	6.2170	69 75								
539	13	7.5707	18.6233	22§	18.1890	6.5298									
540				9	18.5363	6.9288									
541	6	11.0928	18.1786	10	21.7262	6.2388									
542	4	13.4604	18.0130	7*	24.1008	6.1766									
543	7	4.4995	19.9319	14§	15.0629	7.7027									
544	10	4.5249	19.8828	20§	15.0924	7.6554									
545				10	15.4258	7.0574									
546	3*	5.7233	19.7954	6	16.2919	7.6221									
547	4*	6.0567	19.1929	9	16.6514	7.0343									
548	12	6.5380	19.3084	23§	17.1280	7.1685									
549	15	6.8839	19.4288	22§	17.4688	7.3026									
550				6†	17.7079	7.6156									
551	12	8.3875	19.0805	15§	18.9888	7.0213									
552	13	8.5349	19.8462	22§	19.0992	7.7936									
553	5	7.0350	20.3309	11	17.5804	8.2145									
554	4	13.7117	20.1972	10*	24.2549	8.3703									
555	6	5.9353	21.2343	15§	16.4394	9.0675									
556	4*	8.7844	21.9130	11	19.2585	9.8698									
557				6	19.9718	9.7439									
558	45§	12.8436	20.9510	54§	23.3542	9.0877	69 77								
559	6*	13.9369	21.0329	10*	24.4428	9.2177									
560				6	14.3326	10.9743									
561	4†	11.8766	22.1324	9	22.3389	10.2257									
562	22	12.9918	22.8024	33§	23.4202	10.9438	69 78								
563	8	4.8947	23.4690	20§	15.3009	11.2536									
564	24	5.3709	23.2952	30§	15.7866	11.1013	69 69								
565	28§	6.6976	23.8066	34§	17.0907	11.6695									
566				8	17.5486	11.3353									
567	3*	8.1894	23.6318	9	18.5868	11.5595									
568	43§	9.1672	24.0248	44§	19.5488	11.9968	69 76								
569				7	19.9378	11.0063									
570	8	12.8643	22.8990	20*§	23.2881	11.0311									
571				9	17.3412	12.6209									
572	8	9.0985	24.5947	17§	19.4518	12.5620									
573				8	14.7258	13.4815									

1 réseau interval represents very nearly  $5' = 55^s.8$  of R.A. at Dec.  $+ 69^\circ$ , and  $58^s.5$  at Dec.  $+ 70^\circ$ .



## ZONE + 69°.

R.A. 1 <sup>h</sup> 10 <sup>m</sup> to 1 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 1 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1636. 1893, Dec. 1.				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2378. 1894, Nov. 21.				Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2378. 1894, Nov. 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.</								

1 réseau interval represents very nearly 5' = 55'·8 at Dec. + 69°, and 58'·5 at Dec. + 70°.

ZONE + 69°.

R.A. 1 <sup>h</sup> 20 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup>												
Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.				R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2378. 1894, Nov. 21.				Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.				R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2379. 1894, Nov. 21.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.					
733	8	7.1216	20.1936	6	17.6497	8.0038	69 103 7.0	787	4	15.1631	14.0943	34	6.3483	2.4176	68 120 9.5					
734	80s	8.8719	20.0892	85s	19.4031	7.9798		788	6	16.4201	14.5651									
735	23s	9.5165	20.1657	23s	20.0427	8.0844		789	24s	16.9908	14.3603									
736	3	13.1833	20.3759					790	4	17.2442	14.9343									
737	3*	3.6478	21.7141	3	14.1052	9.3670		791	21s	18.9085	14.4984									
738	8	3.8576	21.7807	8	14.3133	9.4433		792	21s	20.1172	14.4064									
739	10	4.3403	21.0310	9	14.8322	8.7149		793	16	20.3655	14.6160									
740	19	5.1654	21.5129	14	15.6445	9.2345		794	13	21.0718	14.8950									
741	15	5.9414	21.1698	11	16.4273	8.9264		795	64s	21.9147	14.0757									
742	4	6.4693	21.1752					796	5	22.8106	14.0853									
743	3*	6.5477	21.3051	3	17.0247	9.0895	69 104 9.3	797	9	17.0802	15.3242	5*	6.4717	3.3758	68 125 7.3					
744	8	8.8593	21.7288	7	19.3143	9.6167		798	5	17.1279	15.0978									
745	4	9.1834	21.4729	3	19.6524	9.3742		799	5	18.2284	15.5168									
746	27s	9.6313	21.9186	25s	20.0803	9.8418		800	16	19.7202	15.3942									
747	11	10.0923	21.8141	11	20.5449	9.7573		801	7	19.9818	15.2458									
748	5	10.4096	21.7151	5	20.8672	9.6714		802	19s	20.8571	15.8558									
749	4	10.9573	21.2775	2*	21.4314	9.2567		803	5	23.6284	15.7548									
750	4	11.2206	21.7109	3*	21.6770	9.7061		804	13	24.3597	15.3101									
751	19s	13.1337	21.3659	16	23.6056	9.4479		805	3	14.2710	16.2929									
752	3*	5.2313	22.1578	2*	15.6727	9.8811		806	13	20.1364	16.7345									
753	5	5.5221	22.8541	6	15.9326	10.5899	69 97 9.1	807	18	20.7578	16.0165	13s	9.5781	4.6742	69 109 9.5					
754	4	5.8924	22.8751	4	16.3013	10.6294		808	27s	21.4232	16.3236									
755	6	6.0003	22.0545	6	16.4443	9.8147		809	18	21.8296	16.3698									
756	7	6.1942	22.2505	8	16.6308	10.0188		810	6	23.8441	16.7097									
757	3	6.7669	22.4834	4†	17.1921	10.2762		811	5†	23.9297	16.3068									
758	7	6.8793	22.3260	7	17.3094	10.1265		812	17	24.1942	16.4470									
759	14	7.8746	22.9355	11	18.2783	10.7781		813	10	24.5511	16.3665									
760	8	7.9464	22.1087	7	18.3864	9.9573		814	23s	15.8288	17.1464									
761	4	7.9771	22.4545	2*	18.4021	10.3053		815	21s	16.4102	17.9998									
762	3	8.2036	22.9785	2*	18.6086	10.8362		816	19	16.5288	17.3560									
763	3*	8.5039	22.1619	2*	18.9429	10.0359	69 102 6.1	817	10	17.5358	17.1077	17	5.9978	5.4274	69 115 9.3					
764	7	11.0108	22.3255	4*	21.4364	10.3092		818	20	18.8563	17.3036									
765	17	11.1468	22.4210	13	21.5700	10.4107		819	6	19.4833	17.2034									
766	25s	4.9800	23.6213	21s	15.3554	11.3343		820	30s	19.4878	17.0716									
767	3	5.3870	23.7143	2†	15.7552	11.4471		821	4†	20.3428	17.8298									
768	9	6.0350	23.6453	7	16.4094	11.4053		822	6	20.5438	17.8438									
769	3*	6.2780	23.5558	2*	16.6540	11.3280		823	17	14.0962	18.2994									
770	85s	7.5260	23.0748	102s	17.9223	10.9021		824	6	18.6420	18.3449									
771	14	7.6800	23.1015	14	18.0783	10.9349		825	12	20.9913	18.9277									
772	4	8.7664	23.0098	2*	19.1689	10.8912		826	5	21.9393	18.2630									
773	13	9.3448	23.6541	12	19.7151	11.5596	69 107 8.2	827	24s	16.1575	19.8366	27s	5.7173	7.9250	69 108 9.4					
774	18	9.5685	23.6543	15	19.9383	11.5708		828	7	17.1390	19.6041									
775	6	10.1473	23.9533	6	20.5022	11.8959		829	16	19.9433	19.0820									
776	6	10.8426	23.2660	6	21.2303	11.2392		830	3†	20.2792	19.5392									
777	47s	12.6066	23.0965	51s	22.9998	11.1525		831	8	20.4907	19.7951									
778	6	4.5383	24.5824	6	14.8691	12.2751		832	3	20.6593	19.7311									
779	26	6.4420	24.5262	22s	16.7778	12.3039		833	4*	23.3599	19.7803									
780	10	6.5621	24.7724	9	16.8857	12.5548		834	10	23.8750	19.8901									
781	5	9.8137	24.3790	5	20.1513	12.3077		835	10	24.2381	19.7459									
782	3*	11.2244	24.6976	3*	21.5447	12.6916		836	6	24.2444	19.7451									
783	5	11.3495	24.5946	5	21.6747	12.5924	69 110 9.4	837	19	14.9587	20.7829	19	4.5546	8.9107	69 111 9.5					
784	8	12.2302	24.9903	7	22.5388	13.0283		838	16	15.5905	20.6744									
785	2*	4.8500	25.7465	3*	15.1292	13.4545		839	27s	15.7536	20.4246									
786	6	10.1565	25.1122	8	20.4588	13.0552		840	24s	18.1900	20.8411									
	60s	3.0712	24.6341					841	4	20.6334	20.7457					22s	11.4759	8.2017	69 116 9.4	
	58s	5.4883	26.6662					842	26s	21.9000	20.3288									
	55s	7.3856	26.9013					69 98 8.5	843	21s	15.0595					21.3155	18	4.6772	9.4431	
								69 100 8.5	844	3	17.0923					21.6441				
									845	11	17.2992					21.2630	8	6.9106	9.3052	

No. 770. A Cassiopeiae. No. 766, B. D. 69° 97'. The R. A. given in the B. D. appears to be about 1<sup>m</sup>. too small.

1<sup>m</sup> mean interval represents very nearly 5' = 55.8 at Dec. + 69°, and 58.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 40 <sup>m</sup> —contd.							B. D.		R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup> —contd.							B. D.	
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
Centre R.A. 1 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3297. 1896, Nov. 4.									Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4097. 1898, Aug. 19.								
R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2379. 1894, Nov. 21.									R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2379. 1894, Nov. 21.								
846	18	17°33'68	21°17'135	15	6°9'658	9°75'44	69	112	898	7	5°26'63	20°38'92	12	15°9'194	8°16'12		
847	29§	18°6'153	21°9'027	35§	8°25'15	9°89'56			899	4	6°64'03	20°24'63	6	17°29'80	8°07'99		
848	14	18°8'052	21°4'623	12	8°42'44	9°44'70			900	12	8°31'14	20°9'753	20§	18°93'70	8°88'31		
849	6	20°45'31	21°4'141	4	10°07'04	9°33'83			901	29§	9°17'65	20°67'17	38§	19°8'149	8°61'80	69	121
850	4†	20°6'002	21°0'692	3*	10°20'29	8°98'93			902	10	9°18'84	20°66'17	12	19°82'66	8°60'69		
851	15	20°9'123	21°5'621	10	10°53'52	9°46'80			903	9	12°8'641	20°37'46	13	23°5'108	8°48'21		
852	4*	21°0'632	21°4'705	2*	10°68'01	9°37'32			904	24§	6°9'668	21°29'53	27§	17°57'91	9°14'20	69	119
853	7*	23°48'26	21°2'275	5	13°08'93	9°04'13			905	4	11°0'183	21°82'14	8	21°60'13	9°84'76		
854	5	15°07'55	22°18'39	2*	4°72'35	10°30'81			906	20§	12°46'13	21°61'37	30§	23°05'40	9°70'22	69	124
855	7	18°28'79	22°39'50	5†	7°94'17	10°40'05			907				4	16°65'15	10°68'48		
856	49§	19°18'83	22°02'55	58§	8°82'88	9°99'70	69	113	908	4*	10°80'93	22°92'39	8	21°34'60	10°93'79		
857	16	19°27'45	22°8'173	11	8°94'63	10°78'55			909	39§	12°38'53	22°61'08	45§	22°93'36	10°69'59	69	123
858	5	20°04'03	22°15'43	4*	9°68'38	10°09'40			910				4	14°78'17	11°92'08		
859	6	20°60'91	22°60'47	4†	10°26'68	10°52'31			911	4*	4°50'91	24°08'33	9	14°99'83	11°82'31		
860	39§	23°40'00	22°54'34	29§	13°05'74	10°35'60	69	117	912	2*	5°65'93	23°75'54	6	16°16'44	11°54'40		
861				4†	13°49'89	10°09'55			913				6	17°43'60	11°57'30		
862	7	14°97'38	23°21'73	4†	4°66'14	11°34'45			914	3*	8°53'73	23°73'22	7	19°03'95	11°64'70		
863	25§	15°87'07	23°65'45	24§	5°57'54	11°74'68			915	8	8°69'00	23°90'38	14	19°18'47	11°82'38		
864	26§	17°89'86	23°90'81	25§	7°61'05	11°92'58			916	3*	8°98'13	23°77'43	3†	19°48'03	11°71'09		
865	13	19°84'57	23°69'78	7	9°54'86	11°64'44			917				8	16°43'56	12°89'04		
866	37§	23°74'13	23°51'09	25§	13°43'22	11°31'17			918	8	8°41'01	24°85'76	17	18°86'40	12°76'41		
867	3	14°25'96	24°06'20	3*	3°97'87	12°21'38			919	4*	9°65'49	24°80'91	7	20°10'72	12°77'46		
868	3*	17°9'130	24°99'28	4†	7°66'72	13°00'56			920	6*	11°57'90	24°29'95	8	22°05'25	12°34'58		
869	40§	18°07'70	24°96'60	35§	7°82'91	12°97'70	69	110	921	6	11°84'48	24°78'92	10	22°29'58	12°84'76		
870	3*	20°44'02	24°27'43	3*	10°16'29	12°19'73			922	3*	13°32'84	24°21'60	7	23°80'72	12°34'35		
871	6	22°47'59	24°24'93	5	12°19'63	12°09'75			923	27§	13°71'11	24°13'54	40§	24°19'14	12°27'79	69	125
872	26§	15°22'14	25°15'53	23	4°97'93	13°27'21			924	5	3°66'97	25°34'83	11	14°10'57	13°04'73		
873	3*	18°89'95	25°22'39	3†	8°65'75	13°20'36			925	3*	3°69'71	25°41'14	7	14°13'09	13°11'22		
									926	6†	5°36'55	25°54'70	14	15°79'04	13°32'14		
										31§	11°26'85	25°99'58				69	122
																	8°0
R.A. 1 <sup>h</sup> 40 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup>									R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup>								
Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4097. 1898, Aug. 19.									Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4097. 1898, Aug. 19.								
R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2379. 1894, Nov. 21.									R.A. 2 <sup>h</sup> 00 <sup>m</sup> Dec. + 70° Plate 1718. 1893, Dec. 29.								
874	14	4°94'53	14°10'22	19	15°87'41	1°86'61			927	22§	21°57'12	14°89'24	28	10°93'74	2°73'52	68°	149
875	21§	4°13'34	14°82'58	28§	15°03'05	2°55'39			928	41§	15°32'94	15°79'01	59§	4°73'35	3°87'66	68	140
876	4*	4°75'93	14°77'19	6	15°66'02	2°52'56			929	4*	18°42'94	15°14'03	3*	7°80'81	3°10'53		
877	7	10°41'71	14°28'18	7	21°33'39	2°28'65			930	60§	19°74'06	15°30'44	73§	9°12'69	3°21'77	68	144
878	7	12°27'01	14°82'76	7	23°15'61	2°91'30			931	4*	17°13'96	16°89'07	4	6°58'89	4°90'50		
879	6	13°77'76	14°52'81	5†	24°68'14	2°67'93			932	11	17°87'76	16°96'25	16	7°32'68	4°94'92		
880	24§	7°30'69	15°20'18	35§	18°18'60	3°06'82	68	183	933	17	22°42'61	16°57'20	18	11°85'80	4°37'88		
881	12	12°26'08	15°78'24	20	23°10'73	3°86'63			934	8	19°79'14	17°53'88	8	9°26'33	5°44'99		
882	3*	4°28'21	17°03'86	4*	15°08'22	4°77'04			935	7	22°44'22	17°88'43	7	11°92'48	5°68'93		
883	5*	4°97'98	16°01'94	9	15°78'52	4°68'33			936	24§	24°30'25	17°73'44	25	13°77'96	5°46'65		
884	6	6°68'12	16°66'88	9	17°49'50	4°50'59			937	5*	16°45'56	18°54'00	5	5°96'53	6°57'76		
885	6	4°88'32	18°16'47	11	15°63'29	5°92'45			938	38§	24°43'90	19°10'63	35§	13°97'10	6°83'47	69	136
886	5	7°22'89	17°23'71	7	18°01'63	5°09'90			939	6	22°83'58	19°98'15	7	12°40'08	7°76'92		
887	7	7°43'77	17°79'05	10	18°20'19	5°66'18			940	36§	23°25'64	19°81'48	41§	12°81'44	7°58'76	69	133
888	3*	7°83'88	17°39'04	4	18°62'04	5°27'81			941	7	23°63'89	19°94'18	5	13°20'03	7°70'34		
889	9	7°86'38	17°86'96	17	18°62'53	5°75'79			942	6*	23°58'84	20°08'39	4	13°15'98	7°84'35		
890	4	13°48'40	17°81'04	5*	24°24'44	5°94'88			943	5†	14°05'49	20°78'24	5	3°66'07	8°91'83		
891	4	7°33'22	18°22'46	6	18°07'70	6°09'00			944	11	20°22'30	20°62'57	13	9°81'73	8°51'66		
892	6	9°80'20	18°53'56	10	20°52'99	6°50'87			945	5*	24°08'84	21°11'38	4	13°69'85	8°85'21		
893	10	13°12'24	18°38'23	15	23°85'46	6°50'33			946	4*	17°03'94	21°49'09	4*	6°67'28	9°50'58		
894				3	15°07'32	7°75'17											
895	6	9°45'07	19°56'43	7	20°13'29	7°52'21											
896	7	9°97'48	19°49'67	11	20°66'28	7°47'77											
897	6	4°05'19	20°85'33	11	14°68'54	8°57'28											

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 1 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°									
Plate 4097. 1898, Aug. 19.			Plate 1718. 1893, Dec. 29.			Plate 3298. 1896, Nov. 4.			Plate 1718. 1893, Dec. 29.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.										
								No.										
947	26§	19°70'44	22°00'18	34§	9°35'39	9°12'28	69° 128	m.	997	6	6°19'17	17°53'64					m.	
948	20§	19°80'03	21°76'55	21	9°43'85	9°67'43		9°3	998	19§	8°56'95	17°97'80	13	19°19'50	5°97'00			
949	6†	19°91'85	21°25'29	9	9°53'63	9°15'58			999	4	11°28'89	17°62'66						
950	4*	18°85'21	22°89'30	3*	8°53'52	10°83'91			1000	5	4°82'17	18°10'28						
951	39§	19°72'40	22°90'49	43§	9°41'03	10°81'40	69 129	8°8	1001	6	5°61'57	18°18'42	3*	16°23'40	6°04'61			
952	8	23°21'30	22°23'79	7	12°86'64	10°01'18			1002	4	6°19'71	18°61'60						
953	6	14°01'05	23°79'40	6	3°73'42	11°92'73			1003	16§	6°32'21	18°19'91	10	16°94'18	6°09'30			
954	2*	15°11'73	23°19'37	2*	4°81'20	11°28'56			1004	3	8°38'13	18°51'71						
955	5	16°43'69	23°83'61	7	6°15'94	11°87'43			1005	8	8°87'16	18°84'53						
956	9	16°54'78	23°02'05	11	6°23'60	11°05'47			1006	13	9°52'01	18°91'05	7†	20°10'38	6°94'54			
957	4	18°09'04	23°87'00	4*	7°81'37	11°84'06			1007	5	10°68'38	18°29'11						
958	4*	21°62'08	24°07'38	6	11°34'60	11°90'56			1008	5	12°38'53	18°39'86						
959	16	23°00'65	24°09'12	20	12°73'48	11°87'08			1009	3	12°57'48	18°11'88						
960	3*	23°07'83	23°49'48	4	12°78'05	11°27'49			1010	30§	3°71'19	19°10'30	22	14°29'33	6°88'43			
961	25	23°63'16	24°04'55	22	13°35'90	11°80'04	69 135	9°0	1011	23§	3°95'28	19°11'83	16	14°53'40	6°91'12			
962	3*	19°20'19	24°14'27	3*	8°93'49	12°07'05			1012	4	4°27'65	19°23'10						
963	16	19°89'64	24°19'66	18	9°62'99	12°09'79			1013	5	4°67'31	19°59'36						
964	13	20°61'11	24°83'84	13	10°36'93	12°71'22			1014	4	5°66'29	19°39'35						
965	4†	15°60'95	25°08'28	4	5°38'06	13°15'13			1015	14	5°86'95	19°31'89	9	16°43'83	7°19'34			
966	9	15°79'65	24°94'18	10	5°56'33	13°00'47			1016	6	8°73'41	19°00'88						
967	9	17°99'03	25°55'88	14	7°77'99	13°53'46			1017	4	12°71'16	19°98'05						
968				6	13°72'53	13°38'01			1018	30§	3°74'05	20°56'93	20	14°25'90	8°35'01			
	33§	22°14'81	26°25'61				69 131	9°0	1019	14	3°86'29	20°30'24	9	14°39'34	8°08'77			
	55§	24°76'20	26°89'19				69 138	8°9	1020	12	4°08'22	20°91'53	8	14°58'52	8°70'95			
									1021	14	5°21'69	20°55'59	9	15°75'33	8°40'19			
									1022	3†	5°74'97	20°11'88						
									1023	18§	5°79'80	20°35'02	9	16°32'26	8°22'20			
									1024	3	7°03'40	20°23'23						
									1025	5	9°51'85	20°63'22						
									1026	12	12°01'13	20°83'46	6	22°51'34	8°97'20			
									1027	5	7°32'67	21°34'30	2*	17°80'76	9°27'77			
									1028	4	10°07'09	21°23'26						
									1029	6	6°90'60	22°67'30	4*	17°32'77	10°58'99			
									1030	3	7°50'98	22°16'47						
									1031	4	9°07'22	22°50'34						
									1032	5	9°14'74	22°14'49	3*	19°59'05	10°16'08			
									1033	11	9°15'16	22°02'43	6*	19°60'23	10°03'80			
									1034	14	9°20'28	22°28'56	8	19°64'29	10°30'22			
									1035	21§	9°30'99	22°90'41	12	19°72'30	10°92'24			
									1036	6	9°97'93	22°18'16	3*	20°42'25	10°23'39			
									1037	6	13°37'90	22°16'24						
									1038	7	13°53'09	22°49'38						
									1039	40§	3°65'09	23°39'90	26§	14°04'80	11°17'38			
									1040	18	4°82'41	23°31'52	13	15°22'11	11°14'12			
									1041	9	6°01'60	23°08'53	6	16°42'42	10°96'25			
									1042	6	7°24'31	23°98'58	4*	17°61'21	11°91'77			
									1043	28§	8°06'42	23°54'65	21	18°45'08	11°51'35			
									1044	4†	8°55'20	23°26'32						
									1045	30§	4°15'95	24°53'53	20	14°50'51	12°33'11			
									1046	20	4°18'05	24°65'51	13	14°52'24	12°45'13			
									1047	7	8°30'30	24°77'51	5*	18°63'61	12°75'11			
									1048	4	9°47'07	24°13'07						
									1049	8	10°47'08	24°66'98	4*	20°80'60	12°73'88			
									1050	5	13°53'93	24°84'67						
									1051	8	4°57'06	25°00'05	5	14°89'46	12°81'69			
									1052	9	4°72'97	25°79'95	9	15°01'93	13°61'98			
									1053	5*	4°87'31	25°62'58	5*	15°17'29	13°44'99			
									1054	7	6°20'97	25°24'73	6	16°52'23	13°13'63			
									1055	6	6°28'00	25°46'43	6	16°58'34	13°35'21			



## ZONE + 69°.

R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°							
Plate 3298. 1896, Nov. 4.			Plate 1718. 1893, Sept. 20.						Plate 3298. 1896, Nov. 4.			Plate 4115. 1898, Sept. 20.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.			
								No.	Mag.									No.	Mag.
1056	5	7.8467	25.2011	3*	18.1615	13.1566			1102				3	3.6869	8.3209				
1057	288	9.0749	25.2601	17	19.3851	13.2685			1103	10	16.5018	20.4870	13	5.9655	8.5894				
1058	18	12.6126	25.1647	8	22.9248	13.3282			1104				4	6.7891	8.0750				
	538	2.2653	19.8693				69	133	8.5	1105	13	18.3877	20.1096	168	7.8322	8.1343			
	518	3.3880	19.0650				69	136	9.0	1106	3*	18.7985	20.7359	3	8.2683	8.7450			
	358	2.9903	24.0547				69	135	9.0	1107	168	19.1222	20.8085	158	8.5938	8.8043			
	468	1.6936	26.3806				69	131	9.0	1108	4†	20.1009	20.4763	5	9.5598	8.4323			
	698	4.3494	26.7996				69	138	8.9	1109	4†	20.7666	21.0101	4	10.2488	8.9405			
	528	11.8598	26.3167				69	139	8.5	1110	4*	23.9992	20.8594	8	13.4691	8.6618			
										1111	188	14.2163	21.1346	218	3.7060	9.3248			
										1112	4*	16.7598	21.3447	6	6.2585	9.4334			
										1113	278	19.5604	21.1824	348	9.0500	9.1560	69	146	
										1114	8	19.7519	21.3934	8	9.2500	9.3614		9.3	
										1115	11	22.4944	22.0150	11	12.0123	9.8740			
										1116	4	14.3797	22.1057	5	3.9094	10.2933			
										1117	6	16.7397	22.5550	10	6.2869	10.6444			
										1118	238	16.8683	22.3450	248	6.4059	10.4294	69	141	
										1119	3*	17.1078	22.6459	4	6.6579	10.7195		9.4	
										1120	7	18.7497	22.3028	8	8.2813	10.3103			
										1121	258	19.9878	22.5922	268	9.5304	10.5473			
										1122	6	20.5398	22.8538	6	10.0940	10.7858			
										1123	16	23.5005	22.7655	188	13.0505	10.5839			
										1124	22	23.9433	22.4553	208	13.4798	10.2548			
										1125	9	23.9695	22.6650	7	13.5113	10.4635			
										1126	5	16.7498	23.1133	8	6.3198	11.1988			
										1127	4	17.4288	23.8983	6	7.0270	11.9555			
										1128	2*	17.6387	23.2556	4	7.2101	11.3051			
										1129	288	19.0617	23.4934	298	8.6434	11.4854			
										1130	4*	19.2155	23.4414	5	8.7918	11.4311			
										1131	3*	19.5092	23.1359	3*	9.0765	11.1117			
										1132	8*	23.5287	23.9259	8	13.1205	11.7398			
										1133	12	16.3349	24.4565	14	5.9588	12.5625			
										1134	10	16.6899	24.6036	12	6.3169	12.6921			
										1135	628	18.5780	24.6540	718	8.2033	12.6647	69	144	
										1136	4*	19.6984	24.1449	5	9.3038	12.1136		8.0	
										1137	10	22.5487	24.2030	148	12.1547	12.0548			
										1138	248	23.6366	25.1243	238	13.2798	12.9283			
										1139	7*	14.6392	25.2093	9	4.2923	13.3828			
										1140	368	17.1242	25.5798	298	6.7907	13.6516	69	142	
										1141				3	8.0665	13.5018		9.0	
										1142	7*	20.9382	26.0059	10	10.6190	13.9233			
										1143	13	23.2706	25.4949	18	12.9305	13.3194			
											848	25.8503	25.8492				69	150	
																		8.8	
R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup>										
Centre R.A. 2 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°						Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°							
Plate 3298. 1896, Nov. 4.			Plate 4115. 1898, Sept. 20.						Plate 2955. 1895, Nov. 17.			Plate 4115. 1898, Sept. 20.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.			
								No.	Mag.									No.	Mag.
1059	208	14.3111	14.5549	27	3.5388	2.7475			1144	7	9.7510	13.9858	7	20.4600	2.0268				
1060	258	15.0885	14.4437	348	4.3094	2.6043	68	159	9.5	1145	3	3.8882	14.5160	4	14.5798	2.3403			
1061	4	17.0532	14.8505	4*	6.2903	2.9304			1146	3*	4.1550	14.7583	4	14.8322	2.5935				
1062	318	18.0882	14.5408	408	7.3086	2.5818	68	162	9.1	1147	10	5.5358	14.0230	14	16.2455	1.9056			
1063	6	23.1050	14.2843	8	12.3116	2.1240			1148	4	9.7130	14.9443	3*	20.3864	2.9869				
1064	15	23.7198	14.3719	228	12.9303	2.1851			1149	7	9.9603	14.6654	5*	20.6419	2.7164				
1065	3†	18.8620	15.0751	4*	8.1020	3.0864			1150	348	11.4936	14.1373	598	22.1973	2.2464	68	175		
1066	13	19.1227	15.0365	18	8.3658	3.0363			1151	6	6.5537	15.3885	6	17.2115	3.3099		9.3		
1067	4	22.4107	15.4697	4	11.6651	3.3358			1152	228	8.0390	15.5484	258	18.6893	3.5271				
1068				4	12.2800	3.8748													
1069	18	24.1289	15.3145	198	13.3752	3.1107													
1070	4*	14.3001	16.3491	4*	3.6009	4.5411													
1071	6	14.3344	16.0955	6	3.6215	4.2865													
1072	10	16.0819	16.4928	15	5.3852	4.6128													
1073	3*	16.7976	16.7559	4	6.1108	4.8448													
1074	5	19.8478	16.8759	7	9.1616	4.8449													
1075	4	20.2697	16.6434	7	9.5749	4.5935													
1076	17	24.2493	17.1143	188	13.5691	4.9050													
1077				4	13.7115	4.8986													
1078	3*	14.6992	17.3539	4	4.0375	5.5281													
1079	8	16.6498	17.7853	7	6.0060	5.8827													
1080	4	16.8800	17.1419	5	6.2067	5.2295													
1081	218	20.6778	17.0740	21	9.9995	5.0065	69	147	9.5										
1082	16	23.0629	17.2310	188	12.3900	5.0698	69	149	9.4										
1083	3*	23.4105	17.9044	4	12.7664	5.7271													
1084	188	15.1397	17.9378	238	4.5006	6.0953													
1085	12	15.5812	<																

## ZONE + 69°.

R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 20 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			
Plate 2955. 1895, Nov. 17.				Plate 4115. 1898, Sept. 20.				Plate 2955. 1895, Nov. 17.				Plate 4115. 1898, Sept. 20.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
1153	8	11°1626	15°8385	9	21°7995	3°9335	° m.	1212	9	6°0917	22°5781	6	16°4795	10°4788	° m.
1154	25§	11°6456	15°7187	37§	22°2876	3°8304		1213	40§	6°3210	22°5046	42§	16°7102	10°4132	69 152 9°3
1155	6	13°1911	15°3221	6	23°8481	3°4941		1214	3	6°8341	22°8338	3	17°2100	10°7638	
1156	8	13°5284	15°6654	8	24°1714	3°8515		1215	63§	7°2730	22°2582	73§	17°6718	10°2046	69 157 8°0
1157	4	4°0090	16°7493	4	14°6186	4°5757		1216	5	9°3188	22°0310	4	19°7225	10°0535	
1158	3*	5°7923	16°4148	3*	16°4130	4°3059		1217	4	9°7837	22°0493	4	20°1890	10°0898	
1159	4	6°3489	16°3788	4*	16°9703	4°2877		1218	11	13°5335	22°5103	13	23°9184	10°6909	
1160	42§	6°3510	16°3939	48§	16°9718	4°3065	68 171 8°7	1219	20	6°3199	23°8145	20§	16°6595	11°7239	
1161	3*	7°9351	16°5710	3	18°5473	4°5434		1220	17	6°7419	23°3535	15	17°0998	11°2771	
1162	21§	9°5581	16°8685	24§	20°1582	4°9025		1221	3*	7°8391	23°9831	3	18°1716	11°9458	
1163	4	9°8188	16°3926	4	20°4344	4°4364		1222	54§	8°1059	23°2772	65§	18°4642	11°2535	69 158 8°0
1164	43§	10°1954	16°8595	49§	20°7975	4°9183	69 161 8°6	1223	26§	8°3160	23°3597	30§	18°6711	11°3433	
1165	7	13°0400	16°2463	6	23°6630	4°4120		1224	30	9°4605	23°9848	34§	19°7905	12°0110	69 159 9°4
1166	2	13°4063	16°5977					1225	4	9°6172	23°6714	6	19°9595	11°7038	
1167	22§	13°6617	16°0075	29§	24°2908	4°1984		1226	4	10°1157	23°4638	4	20°4646	11°5159	
1168	20§	13°7426	16°8327	31§	24°3405	5°0238		1227	15	10°7779	23°5643	16	21°1232	11°6409	
1169	22§	3°7090	17°2122	24§	14°2997	5°0273		1228	5	11°4816	23°4046	8	21°8320	11°5077	
1170	13	13°9510	17°9690	18	24°5073	6°1676		1229	24	11°6314	23°6925	27§	21°9730	11°8006	
1171	3*	3°6113	18°9036	4	14°1389	6°7150		1230	3	11°8577	23°6009	3	22°1994	11°7167	
1172	3	4°7305	18°6702	4	15°2659	6°5230		1231	15	13°1888	23°7690	14	23°5231	11°9348	
1173	4	5°6243	18°2692	4	16°1723	6°1538		1232	4*	6°4093	24°1688	4*	16°7308	12°0814	
1174	18§	6°2453	18°1726	19§	16°7987	6°0783		1233	53§	7°0616	24°0533	65§	17°3917	11°9873	69 155 8°1
1175	9	6°9755	18°0563	12	17°5325	5°9928		1234	4	8°0395	24°0743	4	18°3644	12°0458	
1176	3	6°9883	18°1150	3†	17°5397	6°0500		1235	19	8°2448	24°3886	20§	18°5605	12°3673	
1177	27§	7°1410	18°0948	30§	17°6985	6°0368	69 156 9°5	1236	4	9°3708	24°5047	4	19°6810	12°5253	
1178	11	7°2161	18°5655	12	17°7538	6°5099		1237	26§	12°7155	24°8583	33§	23°0098	13°0058	69 165 9°5
1179	10	7°3611	18°2550	11	17°9108	6°2045		1238	4	4°3117	25°7176	7	14°5798	13°5519	
1180	54§	9°3494	18°7456	60§	19°8795	6°7718	69 160 9°1	1239	6†	4°9789	25°1370	10	15°2680	12°9953	
1181	14	9°9477	18°3985	17	20°4892	6°4462		1240	3*	5°1993	25°5015	3*	15°4719	13°3664	
1182	23§	6°1365	19°7662	31§	16°6292	7°6714	69 151 9°4	1241	55§	5°2496	25°7009	56§	15°5196	13°5664	69 150 8°8
1183	24§	6°7817	19°9051	25§	17°2695	7°8348	69 154 9°2	1242	7	8°7558	25°0368	9	19°0493	13°0345	
1184	24	7°7086	19°1430	27§	18°2220	7°1062		1243	4†	9°1741	25°8374	5	19°4339	13°8534	
1185	15	8°2782	19°6673	17	18°7711	7°6524		1244	3*	9°5128	25°1232	3	19°7996	13°1476	
1186	3	8°6004	19°6341	3†	19°0940	7°6270		1245	3*	10°0288	25°2413	4	20°3112	13°2855	
1187	19§	10°0895	19°9450	22§	20°5723	7°9970		1246	6	10°6599	25°7147	7	20°9228	13°7855	
1188	41§	10°6455	19°0673	45§	21°1615	7°1427	69 162 9°1	1247	3*	10°9071	25°7704	3	21°1693	13°8503	
1189	29§	10°6606	19°3268	38§	21°1678	7°4027	69 163 9°5	1248	6	11°8717	25°2543	8	22°1524	13°3675	
1190	4	10°8847	19°1236	5	21°3983	7°2067		1249	24	12°1954	25°3571	27§	22°4713	13°4857	
1191	39§	13°3529	19°9065	48§	23°8354	8°0828	69 168 9°1								
1192	3	6°0720	20°1354	3*	16°5498	8°0363									
1193	25§	6°7551	20°3013	27§	17°2263	8°2267									
1194	5	6°8170	20°5136	6	17°2798	8°4442									
1195	17	7°1837	20°3766	19§	17°6514	8°3181									
1196	16§	7°8540	20°2344	18§	18°3287	8°2026									
1197	30§	9°8319	20°5507	36§	20°2910	8°5942									
1198	16§	9°9422	20°2496	20§	20°4152	8°2968									
1199	4	10°5384	20°6489	5	20°9950	8°7173									
1200	6	10°7719	20°5792	9	21°2303	8°6559									
1201	3	12°9400	20°3230	3†	23°4080	8°4849									
1202	30§	13°0360	20°7365	41§	23°4884	8°9013	69 167 9°1								
1203	16	5°2096	21°3098	16	15°6440	9°1767									
1204	8	7°3591	21°3631	8	17°7901	9°3122									
1205	3	9°3000	21°6268	3*	19°7194	9°6474									
1206	19§	9°6588	21°3263	21§	20°0895	9°3624									
1207	40§	12°8266	21°7843	50§	23°2384	9°9398	69 166 9°0								
1208	3	12°8376	21°5730	3*	23°2583	9°7263									
1209	4*	4°1072	22°0632	3*	14°5110	9°8865									
1210	3†	4°2226	22°4878	4	14°6123	10°3266									
1211	7	5°7540	22°1241	8	16°1573	10°0105									
R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup>								R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup>							
Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 2955. 1895, Nov. 17.				Plate 3841. 1898, Feb. 4.				Plate 2955. 1895, Nov. 17.				Plate 3841. 1898, Feb. 4.			
1250	16	15°2480	14°9280	9*	4°6199	3°0884	68° 178 9°5	1251	22§	15°6324	14°5442	11	4°9903	2°6867	68 180 9°5
1251	22§	15°6324	14°5442	11	4°9903	2°6867		1252	37§	17°2518	14°1215	23§	6°5900	2°1964	68 183 9°1
1252	7	19°0397	14°5449					1253	7	19°0397	14°5449				
1253	6	19°3666	14°8035					1254	6	19°3666	14°8035				
1255	3	21°4022	14°2172					1255	3	21°4022	14°2172				
1256	12	14°3247	15°3408					1256	12	14°3247	15°3408				
1257	4	16°3558	15°4768					1257	4	16°3558	15°4768				
1258	8	16°9703	15°7605					1258	8	16°9703	15°7605				
1259	19§	17°1353	15°1341	11	6°5131	3°2163		1259	19§	17°1353	15°1341	11	6°5131	3°2163	
1260	44§	19°1052	15°6755	37§	8°5065	3°6744	68 184 8°8	1260	44§	19°1052	15°6755	37§	8°5065	3°6744	



ZONE + 69°.

R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup> —contd.							R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 40 <sup>m</sup> —contd.						
Centre		R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Centre		R.A. 2 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°	
Plate 2955. 1895, Nov. 17.					Plate 3841. 1898, Feb. 4.		Plate 2955. 1895, Nov. 17.					Plate 3841. 1898, Feb. 4.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
							B. D.						
							No.	Mag.					
1264	12	23°54'12	15°87'10	6†	12°94'58	3°68'40							
1265	7	23°78'02	15°33'44				1323	20§	17°62'05	22°97'60	11†	7°32'60	11°03'13
1266	27§	17°68'19	16°88'12	18	7°13'38	4°93'67	1324	17	19°97'75	22°38'75	9	9°65'71	10°34'45
1267	21§	18°63'63	16°00'58	12	8°05'07	4°02'45	1325	31§	20°79'97	22°79'62	16	10°49'54	10°72'08
1268	14	20°48'76	16°50'81	5†	9°92'10	4°44'87	1326	6	21°14'01	22°06'55	3*	10°80'15	9°97'32
1269	4	21°47'49	16°50'38				1327	19	24°25'32	22°96'18	10	13°95'26	10°73'64
1270	13	22°01'13	16°25'95	5†	11°43'09	4°13'70	1328	6	15°21'87	23°15'49			
1271	16	22°75'63	16°92'44	7	12°20'68	4°76'86	1329	8	15°27'87	23°28'54			
1272	25§	24°23'29	16°66'10	14	13°67'00	4°44'50	1330	3	16°71'17	23°30'79			
1273	6	24°31'42	16°26'98				1331	5	18°13'91	23°41'67	4*	7°86'15	11°45'45
1274	101§	24°52'31	16°77'70	78§	13°96'80	4°54'88	1332	34§	18°42'35	23°28'73	21§	8°14'15	11°31'19
1275	22§	15°95'50	17°85'58	12	5°44'81	5°98'78	1333	4†	18°64'64	23°60'85			
1276	4	16°43'06	17°84'83				1334	52§	21°35'13	23°93'40	35§	11°09'41	11°83'01
1277	80§	16°86'70	17°34'54	58§	6°33'69	5°43'65	1335	13	22°67'13	23°99'03	7	12°41'54	11°83'40
1278	4	18°04'90	17°30'67				1336	7†	22°88'65	23°47'23	5	12°60'91	11°30'80
1279	5	18°77'97	17°94'51				1337	33§	23°30'85	23°60'97	14	13°03'52	11°42'53
1280	7	19°29'48	17°48'59	4*	8°77'04	5°47'52	1338	40§	23°49'84	23°90'23	19§	13°23'94	11°71'16
1281	20§	19°76'63	17°77'73	9	9°25'23	5°74'97	1339	11	15°59'03	24°08'58	5†	5°34'10	12°22'50
1282	7	22°12'81	17°97'30	5	11°62'03	5°84'41	1340	3	17°05'13	24°82'15			
1283	19§	22°37'58	17°54'49	7	11°85'06	5°40'48	1341	20	18°58'27	24°73'83	9	8°36'16	12°75'42
1284	17	22°74'75	17°73'50	5	12°23'00	5°57'79	1342	12	21°23'18	24°30'42	7	10°99'00	12°20'87
1285	17§	16°27'73	18°78'10	9	5°80'99	6°89'46	1343	12	21°66'74	24°96'45	8	11°45'10	12°84'79
1286	7	18°42'92	18°17'65				1344	6*	22°09'17	24°85'43	4*	11°87'41	12°72'16
1287	4	18°59'01	18°31'02				1345	4*	22°25'65	24°98'88	3	12°04'13	12°85'22
1288	6	19°44'02	18°76'41	4*	8°96'90	6°74'52	1346	12	22°30'77	24°11'18	7	12°05'77	11°96'78
1289	9	19°65'93	18°91'43	4†	9°19'15	6°88'53	1347	18	14°07'95	25°40'50	8	3°88'99	13°60'82
1290	12	21°15'28	18°33'22	5	10°66'09	6°24'48	1348	6	15°24'42	25°20'42			
1291	5	22°18'05	18°31'39	3*	11°69'89	6°18'36	1349	10	17°82'63	25°34'27	5	7°63'05	13°38'79
1292	24§	22°78'72	18°42'26	18§	12°30'05	6°26'49	1350	20	18°31'03	25°13'30	8	8°10'23	13°15'86
1293	7	22°82'86	18°44'65	4*	12°34'19	6°28'52	1351	4*	18°36'96	25°54'52	3†	8°18'01	13°56'76
1294	4*	23°86'09	18°26'44	3*	13°46'47	6°06'12	1352	7	19°13'76	25°32'95	5	8°93'79	13°32'04
1295	10	24°28'79	18°87'40	6†	13°81'91	6°65'37	1353				3	10°09'14	13°19'95
1296	11	16°17'95	19°02'13	7*	5°72'06	7°13'81	1354	28§	22°38'66	25°03'91	15§	12°17'55	12°89'52
1297	3	17°25'17	19°96'20				1355	10	22°59'28	25°40'44	7	12°39'51	13°25'14
1298	3	18°37'91	19°98'43				1356				5†	13°76'26	13°21'71
1299	20§	18°75'11	19°62'81	11	8°31'76	7°63'74		54§	26°51'04	14°80'18			
1300	21§	19°08'19	19°96'00	11	8°66'07	7°95'58		57§	25°63'76	19°73'26			
1301	19§	20°00'08	19°86'36	10	9°57'69	7°82'08							
1302	23	23°84'06	19°91'57	10	13°41'31	7°71'36							
1303	5	14°03'03	20°08'53										
1304	3†	18°34'23	20°08'39										
1305	4	18°55'34	20°45'85										
1306	20§	20°69'59	20°17'43	10	10°28'17	8°10'49							
1307	5†	21°67'08	20°26'42	3*	11°26'04	8°15'51							
1308	26§	22°12'60	20°30'38	14§	11°71'56	8°17'33							
1309	26§	22°52'30	20°01'68	12	12°10'14	7°87'12							
1310	28§	24°29'73	20°38'27	13	13°89'01	8°16'22							
1311	5	15°49'08	21°70'45										
1312	7	15°89'70	21°36'58	4†	5°53'86	9°49'58							
1313	29§	17°49'84	21°03'15	20§	7°12'27	9°09'37							
1314	6	19°44'95	21°56'46										
1315	16§	20°33'52	21°35'26	7	9°96'93	9°29'52							
1316	4	21°05'02	21°72'68	4*	10°70'04	9°64'24							
1317	14	23°94'08	21°19'80	6	13°56'78	8°98'95							
1318	19	24°01'55	21°20'02	9	13°64'10	8°99'05							
1319	4	14°23'27	22°41'33										
1320	20§	14°51'47	22°98'38	11	4°22'52	11°16'79							
1321	25§	14°78'92	22°22'44	18	4°46'87	10°39'66							
1322	4	16°58'15	22°47'32										
							R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup>						
Centre		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Centre		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°	
Plate 3740. 1897, Dec. 2.					Plate 3841. 1898, Feb. 4.		Plate 3740. 1897, Dec. 2.					Plate 3841. 1898, Feb. 4.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
							B. D.						
							No.	Mag.					
1323	20§	17°62'05	22°97'60	11†	7°32'60	11°03'13							
1324	17	19°97'75	22°38'75	9	9°65'71	10°34'45							
1325	31§	20°79'97	22°79'62	16	10°49'54	10°72'08	69	174	94				
1326	6	21°14'01	22°06'55	3*	10°80'15	9°97'32							
1327	19	24°25'32	22°96'18	10	13°95'26	10°73'64							
1328	6	15°21'87	23°15'49										
1329	8	15°27'87	23°28'54										
1330	3	16°71'17	23°30'79										
1331	5	18°13'91	23°41'67	4*	7°86'15	11°45'45							
1332	34§	18°42'35	23°28'73	21§	8°14'15	11°31'19	69	173	8°7				
1333	4†	18°64'64	23°60'85										
1334	52§	21°35'13	23°93'40	35§	11°09'41	11°83'01	69	175	8°7				
1335	13	22°67'13	23°99'03	7	12°41'54	11°83'40							
1336	7†	22°88'65	23°47'23	5	12°60'91	11°30'80							
1337	33§	23°30'85	23°60'97	14	13°03'52	11°42'53							
1338	40§	23°49'84	23°90'23	19§	13°23'94	11°71'16	69	177	9°1				
1339	11	15°59'03	24°08'58	5†	5°34'10	12°22'50							
1340	3	17°05'13	24°82'15										
1341	20	18°58'27	24°73'83	9	8°36'16	12°75'42							
1342	12	21°23'18	24°30'42	7	10°99'00	12°20'87							
1343	12	21°66'74	24°96'45	8	11°45'10	12°84'79							
1344	6*	22°09'17	24°85'43	4*	11°87'41	12°72'16							
1345	4*	22°25'65	24°98'88	3	12°04'13	12°85'22							
1346	12	22°30'77	24°11'18	7	12°05'77	11°96'78							
1347	18	14°07'95	25°40'50	8	3°88'99	13°60'82							
1348	6	15°24'42	25°20'42										
1349	10	17°82'63	25°34'27	5	7°63'05	13°38'79							
1350	20	18°31'03	25°13'30	8	8°10'23	13°15'86							
1351	4*	18°36'96	25°54'52	3†	8°18'01	13°56'76							
1352	7	19°13'76	25°32'95	5	8°93'79	13°32'04							
1353				3	10°09'14	13°19'95							
1354	28§	22°38'66	25°03'91	15§	12°17'55	12°89'52							
1355	10	22°59'28	25°40'44	7	12°39'51	13°25'14							
1356				5†	13°76'26	13°21'71							

† *réseau* interval represents very nearly  $5' = 55^s.8$  of R.A. at Dec.  $+ 69^\circ$ , and  $58^s.5$  at Dec.  $+ 70^\circ$ .

Z O N E' + 69°.

R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 2 <sup>h</sup> 40 <sup>m</sup> to 2 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. +69°		R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			Centre		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. +69°		R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. +70°		
Plate 3740. 1897, Dec. 2.		Plate 3740. 1897, Dec. 2.		Plate 3841. 1898, Feb. 4.			Plate 3740. 1897, Dec. 2.		Plate 3740. 1897, Dec. 2.		Plate 3841. 1898, Feb. 4.		
No.	Diam.	α.	β.	Diam.	α.	β.	No.	Diam.	α.	β.	Diam.	α.	β.
B. D.							B. D.						
No. Mag.							No. Mag.						
1373	11	8.2864	15.6367	4	18.9913	3.5951	1432	4	12.6993	23.0435			
1374	6	11.1212	15.9595	3*	21.8110	4.0348	1433	4*	3.7751	24.3271	5	14.1244	12.0895
1375	5	3.4759	16.7698	4*	14.1411	4.5278	1434	7	5.4405	24.8904	5	15.7684	12.7248
1376	8	7.2305	16.0778	3*	17.9210	3.9943	1435	31§	5.5712	24.5705	12	15.9116	12.4092
1377	13	7.5499	16.1476	7	18.2370	4.0737	1436	9	7.6414	24.5819	4	17.9780	12.5069
1378	4	9.2488	16.7165				1437	34§	7.7099	24.3995	15	18.0565	12.3261
1379	4	10.0255	16.4618	2*	20.6996	4.4913	1438	30§	9.6060	24.2209	17§	19.9583	12.2264
1380	10	10.5998	16.9990	4*	21.2488	5.0562	1439	7	11.2435	24.6148	4	21.5779	12.6866
1381	4	4.1820	17.2862	2*	14.8253	5.0727	1440	4	11.9850	24.5288	3*	22.3199	12.6313
1382	19§	6.5011	17.8790	8	17.1192	5.7599	1441	14	12.8200	24.1190	6	23.1743	12.2588
1383	7	6.5963	17.7199	4*	17.2169	5.6052	1442	4*	4.9286	25.3648	4†	15.2347	13.1776
1384	7	8.6238	17.0230	3*	19.2722	4.9943	1443	7	5.4699	25.2233	6	15.7810	13.0581
1385	3†	8.8999	17.7449				1444	8	7.2886	25.4511	5	17.5411	13.3583
1386	20§	10.0585	17.5668	9	20.6857	5.5953	1445	6	8.4839	25.1610	5	18.7966	13.1189
1387	9	12.9450	17.3858	4*	23.5739	5.5378	1446	5	9.3221	25.4509	4	19.6220	13.4437
1388	4	13.9425	17.8759				1447	5	10.8691	25.3284	4*	21.1718	13.3871
1389	7	6.0048	18.7630	4	16.5827	6.6240	1448	6	11.0510	25.0809	4†	21.3656	13.1472
1390	9	6.4618	18.8105	6	17.0395	6.6924	1449	32§	11.1098	25.4795	18§	21.4088	13.5460
1391	14	6.6775	18.6754	7	17.2601	6.5645	1450	16	11.9913	25.4236	9	22.2901	13.5283
1392	32§	7.5084	18.7945	22	18.0865	6.7196	1451	5	12.0685	25.3194	3*	22.3724	13.4253
1393	4	11.8946	18.2171				1452	25§	12.4234	25.5963	13	22.7161	13.7175
1394	25§	13.5969	18.9128	11	24.1641	7.0883							
1395	6	4.0653	19.0188	4	14.6334	6.7980		101§	3.3010	16.7984			
1396	10	4.1978	19.4834	6	14.7485	7.2673		38§	2.8715	23.9833			
1397	6	4.5798	19.0898	3*	15.1489	6.8904							
1398	47§	4.6559	19.6514	33§	15.2007	7.4553							
1399	12	7.6891	19.6175	6	18.2331	7.5468							
1400	8	8.5205	19.8083	4	19.0533	7.7737							
1401	12	10.5776	19.1808	6	21.1355	7.2313							
1402	21§	10.9795	19.7420	8	21.5148	7.8112							
1403	13	7.2349	20.9378	7	17.7255	8.8470							
1404	6	7.3187	20.2405	3*	17.8346	8.1554							
1405	21§	9.4221	20.7955	13	19.9161	8.7973							
1406	23§	10.6799	20.7370	13	21.1763	8.7914							
1407	16	12.1810	20.5528	6	22.6825	8.6684							
1408	6	5.8839	21.0873	4	16.3699	8.9400							
1409	4	6.5886	21.7473	2*	17.0444	9.6300							
1410	4†	8.4487	21.1094	2*	18.9300	9.0714							
1411	23§	10.2528	21.1821	12	20.7301	9.2174							
1412	19§	10.3713	21.7908	9	20.8233	9.8322							
1413	8	10.7794	21.1585	4†	21.2573	9.2152							
1414	5	11.0147	21.3656	2*	21.4842	9.4321							
1415	6	11.6001	21.6363	4*	22.0569	9.7293							
1416	3	12.9155	21.0643										
1417	8	3.9025	22.4160	6	14.3318	10.1875							
1418	4	5.9208	22.6089	2*	16.3451	10.4638							
1419	14	6.6605	22.7577	8	17.0745	10.6433							
1420	25§	7.6611	22.3711	14	18.0920	10.2986							
1421	5	8.8082	22.6685	4*	19.2234	10.6392							
1422	16	9.4446	22.7028	7	19.8607	10.7043							
1423	5	9.4595	22.8584	3†	19.8691	10.8594							
1424	9	10.6330	22.4695	4	21.0532	10.5182							
1425	7	11.6371	22.9020	3*	22.0419	10.9947							
1426	4	12.8825	22.7619										
1427	6	13.3980	22.1163	2*	23.8339	10.2836							
1428	7	7.2912	23.4706	4†	17.6771	11.3824							
1429	24§	10.8957	23.1106	14	21.2920	11.1718							
1430	27§	12.0297	23.0295	13	22.4291	11.1367							
1431	6	12.6670	23.3112										

1432	4	12.6993	23.0435				1432	4	12.6993	23.0435			
1433	4*	3.7751	24.3271	5	14.1244	12.0895	1433	4*	3.7751	24.3271	5	14.1244	12.0895
1434	7	5.4405	24.8904	5	15.7684	12.7248	1434	7	5.4405	24.8904	5	15.7684	12.7248
1435	31§	5.5712	24.5705	12	15.9116	12.4092	1435	31§	5.5712	24.5705	12	15.9116	12.4092
1436	9	7.6414	24.5819	4	17.9780	12.5069	1436	9	7.6414	24.5819	4	17.9780	12.5069
1437	34§	7.7099	24.3995	15	18.0565	12.3261	1437	34§	7.7099	24.3995	15	18.0565	12.3261
1438	30§	9.6060	24.2209	17§	19.9583	12.2264	1438	30§	9.6060	24.2209	17§	19.9583	12.2264
1439	7	11.2435	24.6148	4	21.5779	12.6866	1439	7	11.2435	24.6148	4	21.5779	12.6866
1440	4	11.9850	24.5288	3*	22.3199	12.6313	1440	4	11.9850	24.5288	3*	22.3199	12.6313
1441	14	12.8200	24.1190	6	23.1743	12.2588	1441	14	12.8200	24.1190	6	23.1743	12.2588
1442	4*	4.9286	25.3648	4†	15.2347	13.1776	1442	4*	4.9286	25.3648	4†	15.2347	13.1776
1443	7	5.4699	25.2233	6	15.7810	13.0581	1443	7	5.4699	25.2233	6	15.7810	13.0581
1444	8	7.2886	25.4511	5	17.5411	13.3583	1444	8	7.2886	25.4511	5	17.5411	13.3583
1445	6	8.4839	25.1610	5	18.7966	13.1189	1445	6	8.4839	25.1610	5	18.7966	13.1189
1446	5	9.3221	25.4509	4	19.6220	13.4437	1446	5	9.3221	25.4509	4	19.6220	13.4437
1447	5	10.8691	25.3284	4*	21.1718	13.3871	1447	5	10.8691	25.3284	4*	21.1718	13.3871
1448	6	11.0510	25.0809	4†	21.3656	13.1472	1448	6	11.0510	25.0809	4†	21.3656	13.1472
1449	32§	11.1098	25.4795	18§	21.4088	13.5460	1449	32§	11.1098	25.4795	18§	21.4088	13.5460
1450	16	11.9913	25.4236	9	22.2901	13.5283	1450	16	11.9913	25.4236	9	22.2901	13.5283
1451	5	12.0685	25.3194	3*	22.3724	13.4253	1451	5	12.0685	25.3194	3*	22.3724	13.4253
1452	25§	12.4234	25.5963	13	22.7161	13.7175	1452	25§	12.4234	25.5963	13	22.7161	13.7175
	101§	3.3010	16.7984										
	38§	2.8715	23.9833										

1 réseau interval represents very nearly  $5' = 55^{\text{s}}.8$  of R. A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+ 70^{\circ}$ .



ZONE + 69°.

R.A. 2 <sup>h</sup> 50 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 10 <sup>m</sup> —contd.										
Centre		R.A. 2 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre		R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 3740. 1897, Dec. 2.		Plate 4134. 1898, Sept. 25.						Plate 1697. 1893, Dec. 16.		Plate 4134. 1898, Sept. 25.							
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		
							No.	Mag.								No.	Mag.
1482	6	21°3208	20°6369	4	10°7603	8°5362		1534	16	10°0383	17°9623	18	20°6007	6°0370			
1483	19§	21°4887	20°1710	13	10°9100	8°0646		1535	8	10°0815	17°4833	7	21°5595	5°5965			
1484	4	14°2089	21°2475					1536	6	11°0484	17°3838	4*	21°6292	5°4977			
1485	6	14°4729	21°1560	3	3°9417	9°3420		1537	14	11°2638	17°2127	13	21°8515	5°3372			
1486	19§	15°4221	21°5592	17	4°9068	9°7047		1538	4	11°6036	17°7759	3*	22°1699	5°9146			
1487	7	16°9606	21°5779	4	6°4410	9°6560		1539	3	11°6447	17°3212	2*	22°2256	5°4617			
1488	4	16°9695	21°5904	4*	6°4512	9°6732		1540	18	5°7914	18°0617	14	16°3503	5°9760			
1489	22§	17°1002	21°1280	16	6°5637	9°2038		1541	15	7°0477	18°8627	12	17°5790	6°8245			
1490	9	17°8086	21°3588	5	7°2805	9°4046		1542	4*	7°5727	18°7186	3*	18°1039	6°7039			
1491	10	18°3297	21°1855	7	7°7938	9°2125		1543	4*	7°9385	18°2943	2*	18°4867	6°2914			
1492	15§	21°4759	21°4626	8	10°9507	9°3550		1544	4	9°7719	18°0831	3*	20°3286	6°1538			
1493	11	21°5071	21°9585	5	11°0005	9°8475		1545	4	10°1495	18°2175	3*	20°7001	6°2978			
1494	20§	15°0912	22°3913	17	4°6108	10°5510		1546	22§	13°3778	18°8383	23	23°9036	7°0435			
1495	4	15°7409	22°9541	2*	5°2816	11°0853		1547	20	4°9638	19°6585	17	15°4614	7°5373			
1496	22§	17°1528	22°7420	20§	6°6851	10°8154		1548	4*	6°6737	19°3313	3*	17°1819	7°2784			
1497	9	20°4317	22°1408	5	9°9348	10°0776		1549	4	6°8211	19°0818	3*	17°3403	7°0361			
1498	4*	21°5970	22°7259	2*	11°1249	10°6141		1550	8	8°6854	19°5192	6	19°1862	7°5446			
1499	8	22°2694	22°9203	4*	11°8051	10°7807		1551	6	12°4242	19°2087	3*	22°9358	7°3770			
1500	40§	14°4588	23°5821	32§	4°0262	11°7653	69 189 9'3	1552	4	3°7323	20°8141	4	14°1892	8°6489			
1501	21§	15°8896	23°0000	17	5°4308	11°1249		1553	7	5°7856	20°1410	5	16°2666	8°0524			
1502	4	16°0080	23°3274	2	5°5641	11°4479		1554	14	6°5815	20°8497	10	17°0328	8°7914			
1503	10	16°3997	23°8875	6	5°9810	11°9898		1555	23§	8°4493	20°3675	18	18°9200	8°3825			
1504	5	18°0687	23°2094	3	7°6208	11°2424		1556	6	10°6323	20°4511	6	21°0982	8°5494			
1505	4*	18°0951	23°2893	2*	7°6479	11°3259		1557	24§	12°9041	20°8271	23§	23°3517	9°0118			
1506	31§	19°8773	23°8536	27§	9°4517	11°8128	69 194 9'1	1558	9	4°0140	21°1673	8	14°4553	9°0110			
1507	38§	19°9136	23°7027	32§	9°4829	11°6603		1559	3*	4°8664	21°1890	4	15°3107	9°0644			
1508	6	22°4501	23°6306	4†	12°0160	11°4806		1560	3*	6°5134	21°5990	3	16°9390	9°5430			
1509	4	17°0220	24°5039					1561	4	7°4321	21°2573	4	17°8673	9°2338			
1510	7	18°3593	24°6000	4	7°9654	12°6188		1562	15	8°0624	21°4672	10	18°4886	9°4660			
1511	36§	18°4630	24°5598	28§	8°0696	12°5725	69 191 9'4	1563	27	8°6128	21°4617	27§	19°0383	9°4824	69 201 9'5		
1512	4	20°4481	24°8114					1564	79§	10°9189	21°2997	76§	21°3508	9°4069	69 203 7'7		
1513	14	21°3048	24°4465	9	10°9020	12°3442		1565	19	7°1454	22°1007	11	17°5507	10°0635			
1514	6	21°7753	24°6334	3	11°3828	12°5144		1566	20	8°9030	22°5682	15	19°2868	10°5959			
1515	64§	22°4407	24°1898	62§	12°0258	12°0395	69 196 7'8	1567	19	10°5145	22°6513	15	20°8938	10°7446			
1516	4	15°8998	25°8311	2*	5°5592	13°9544		1568	8	5°9058	23°6852	7	16°2503	11°5982			
1517	3†	16°1493	25°4059					1569	13	5°5338	24°3867	13	15°8520	12°2862			
1518				21	8°8072	13°6575		1570	23	8°8858	24°1107	18	19°2118	12°1354			
1519	12	20°2341	25°1738	8	9°8627	13°1148		1571	3	9°9525	24°4593	4	20°2613	12°5259			
1520				3	13°0292	13°9531		1572	8	10°4584	24°3903	8	20°7706	12°4794			
								1573	23	12°4663	24°5681	17	22°7705	12°7339			
								1574	3	5°8239	25°1801	4	16°1092	13°0867			
								1575				3	16°1944	13°3803			
								1576	9	7°5234	25°6898	9	17°7890	13°6646			
								1577	3*	10°2075	25°0026	4	20°4988	13°0850			
								1578	4	11°8760	25°1363	5	22°1592	13°2758			
								1579	37§	11°9267	25°3014	40§	22°2022	13°4463	69 204 8'8		
								1580	18	13°5070	25°0720	16	23°7910	13°2767			
									75§	3°3503	18°8795				69 199 8'0		
									86§	1°7004	24°2880				69 196 7'8		
								R.A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup>									
Centre		R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre		R.A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				
Plate 1697. 1893, Dec. 16.		Plate 4134. 1898, Sept. 25.						Plate 1697. 1893, Dec. 16.		Plate 739. 1893, Jan. 27.							
1521	4	5°3132	14°8496					1581	35§	14°0590	14°5784	38§	3°3976	2°5667	68° 234 9'2		
1522	18	5°5421	14°5946	15	16°2354	2°5028		1582	6	15°2757	14°9355						
1523	12	6°1623	14°6063	8	16°8538	2°5368		1583	10	18°5599	14°1513	5	7°8785	1°9793			
1524	8	8°4927	14°2981	5†	19°1919	2°3232											
1525	10	8°6474	14°7802	7	19°3296	2°8087											
1526	5	10°7004	14°4741	2*	21°3973	2°5824											
1527	73§	12°0125	15°0717	74§	22°6819	3°2277	68 230 8'0										
1528	20	4°4242	16°3147	18	15°0520	4°1788											
1529	33§	7°6772	16°1798	34§	18°3998	4°1722	69 200 9'4										
1530	16	9°6555	16°8653	18	20°2600	4°9274											
1531	6	5°5520	17°4628	5	16°1355	5°3682											
1532	17	6°7518	17°1277	15	17°3481	5°0802											
1533	10	9°4330	17°9486	8	19°9930	6°0038											

Plate 3740. No. 1518. The film of this plate is broken in the region from  $17^{\circ}5'$ ,  $25^{\circ}2'$ , to  $20^{\circ}0'$ ,  $25^{\circ}2'$ .

1 réseau interval represents very nearly  $5' = 55^s.8$  of R.A. at Dec. +  $69^\circ$ , and  $58^s.5$  at Dec. +  $70^\circ$ .

## ZONE + 69°.

R. A. 3 <sup>h</sup> 10 <sup>m</sup> to 3 <sup>h</sup> 20 <sup>m</sup> —contd.							R. A. 3 <sup>h</sup> 20 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup> —contd.								
Centre R. A. 3 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1697. 1893, Dec. 16.							Centre R. A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 739. 1893, Jan. 27.								
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	
1584	38§	20°29'07	14°47'70	32§	9°62'09	2°24'46	68° 241	9°5	1634	19	3°36'98	16°8'990	14	14°06'50	4°54'61
1585	13	22°37'54	14°15'63	6	11°69'29	1°84'88			1635	3†	5°71'52	16°02'45	3†	16°44'55	3°78'34
1586	22§	14°26'19	15°07'15	21	3°61'77	3°05'40			1636	18	10°77'16	16°43'09	17	21°47'81	4°42'00
1587	5	19°21'41	15°19'97	4*	8°56'68	3°00'45			1637	43§	11°39'71	16°02'90	43§	22°12'55	4°04'50
1588	5*	22°36'12	15°45'08	4*	11°72'61	3°14'50			1638	17	13°59'45	16°16'35	12	24°31'13	4°27'95
1589	19	23°58'42	15°96'73	14	12°96'58	3°61'53			1639	7	6°43'68	17°33'22	6	17°10'86	5°11'99
1590	5*	23°80'26	15°49'02	4*	13°16'55	3°13'15			1640	3	7°12'78	17°54'24			
1591	75§	24°42'48	15°55'63	62§	13°78'89	3°17'12	68 250	7°3	1641	23§	8°75'03	17°18'13	20	19°42'67	5°07'61
1592	19§	14°40'98	16°52'94	14	3°81'73	4°50'52			1642	11	9°24'54	17°49'08	9	19°90'92	5°40'63
1593	8	15°55'26	16°87'26	6	4°97'15	4°80'68			1643	3	9°25'40	17°49'45	3	19°91'41	5°41'30
1594	4	18°68'49	16°05'21						1644	13	10°92'45	17°54'61	10	21°58'01	5°54'04
1595	5	20°53'57	16°72'18	4*	9°94'55	4°47'57			1645	21§	12°47'88	17°51'61	20	23°13'55	5°58'02
1596	4	20°80'70	16°08'11	3*	10°19'73	3°82'55			1646	38§	5°46'85	18°48'34	32§	16°09'03	6°22'46
1597	7	15°10'29	17°72'76	4*	4°55'28	5°67'88			1647	4†	6°85'38	18°50'72	3	17°47'10	6°31'53
1598	21§	17°75'71	17°48'42	19§	7°19'77	5°33'90	69 207	9°5	1648	9	8°14'35	18°84'93	6	18°74'35	6°71'35
1599	91§	14°54'37	18°38'18	91§	4°01'93	6°35'07	69 205	6°5	1649	5	10°46'53	18°44'07	4	21°08'27	6°41'11
1600	5	20°50'68	18°06'50	4	9°96'60	5°81'94			1650	3	11°39'37	18°41'07			
1601	43§	22°49'05	18°55'88	31§	11°96'70	6°24'34	69 211	9°1	1651	18§	13°23'92	18°24'02	14	23°86'54	6°33'81
1602	4	22°82'68	18°21'39	4*	12°28'85	5°88'35			1652	4	13°53'37	18°19'72			
1603	13	14°50'93	19°30'02	8	4°01'65	7°27'05			1653	45§	4°89'96	19°08'00	41§	15°49'35	6°79'65
1604	21§	16°22'81	19°77'46	17	5°75'00	7°68'17			1654	4	7°74'20	19°66'83	4	18°30'67	7°51'22
1605	20§	17°60'63	19°05'08	18§	7°10'15	6°90'93			1655	7	13°63'50	19°91'36	4*	24°17'97	8°03'00
1606	7	18°52'89	19°69'00	4	8°04'65	7°51'63			1656	4	5°27'51	20°47'21	3	15°80'44	8°20'57
1607	4	14°16'96	20°87'48	2*	3°73'40	8°85'39			1657	8	12°02'08	20°36'89	4	22°54'97	8°40'85
1608	5*	24°37'16	20°84'17	4	13°92'95	8°46'00			1658	4	13°43'78	20°61'77	2*	23°95'34	8°72'17
1609	5	14°44'72	21°52'43	4†	4°03'45	9°49'42			1659	14	5°19'87	21°59'36	10	15°67'80	9°32'10
1610	12	17°38'04	21°34'54	7	6°95'63	9°21'22			1660	45§	5°50'77	21°48'88	45§	15°99'08	9°23'20
1611	30§	18°38'46	21°14'68	25§	7°95'50	8°97'35	69 208	9°2	1661	22	6°42'85	21°07'92	11	16°93'10	8°86'15
1612	21	21°85'40	21°57'18	10	11°43'71	9°27'91	69 210	9°5	1662	3†	7°09'75	21°13'92			
1613	6	16°38'01	22°70'18	5	6°00'93	10°60'22			1663	11	13°68'59	21°51'11	8	24°15'91	9°62'61
1614	6	19°83'43	22°49'10	5	9°45'03	10°26'87			1664	5	6°58'21	22°02'73	4	17°03'65	9°81'71
1615	5*	22°25'24	22°10'38	4*	11°85'15	9°79'13			1665	7	8°71'33	22°60'22	4	19°13'86	10°49'05
1616	11	17°24'81	23°55'18	10	6°90'68	11°42'08			1666	35§	9°12'67	22°32'33	34§	19°56'63	10°22'96
1617	13	17°71'87	23°70'08	9	7°38'17	11°55'25			1667	9	11°45'34	22°79'06	7	21°87'07	10°80'35
1618	14	21°29'43	23°33'67	9	10°94'10	11°05'93			1668	4	9°32'96	23°67'06	4	19°70'88	11°58'54
1619	39§	16°17'08	24°09'24	24§	5°84'93	12°00'18	69 206	9°4	1669	4	10°74'38	23°07'02	3	21°14'88	11°04'90
1620	49§	18°51'86	24°89'50	29§	8°22'77	12°71'83	69 209	8°6	1670	9	12°30'46	23°16'78	5	22°70'21	11°21'68
1621	8	22°29'90	24°53'39	6	11°98'78	12°21'88			1671	7*	4°55'04	24°10'04	5	14°91'57	11°79'31
	60§	25°99'85	19°23'86				69 214	8°9	1672	7	7°21'88	24°92'53	7	17°54'30	12°74'09
	76§	26°40'85	21°69'01				69 215	9°0	1673	8	9°86'48	24°20'06	5	20°21'89	12°13'86
R. A. 3 <sup>h</sup> 20 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup>							R. A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup>								
Centre R. A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1698. 1893, Dec. 16.							Centre R. A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 697. 1892, Dec. 23.								
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	No.	Diam.	$\alpha$ .	$\delta$ . <td>No.</td> <td>Diam.</td> <th><math>\alpha</math>.</th> <th><math>\delta</math>.</th>	No.	Diam.	$\alpha$ .	$\delta$ .	
1622	11	3°62'42	14°64'48	10	14°42'11	2°30'78	68 265	9°4	1679	7	16°63'55	14°77'42			
1623	12	4°31'30	14°39'99	9	15°12'09	2°09'49			1680	4	17°44'14	14°19'53			
1624	21	7°06'36	14°70'19	19	17°85'47	2°52'23			1681	6	17°93'83	14°61'04			
1625	16	8°29'72	14°66'38	12	19°08'82	2°54'05			1682	8	19°68'12	14°94'73			
1626	25§	11°34'45	14°71'71	25§	22°13'10	2°73'04			1683	6	21°03'50	14°20'41			
1627	23§	12°98'40	14°22'73	21	23°78'96	2°31'79			1684	10	17°26'81	15°23'17			
1628	4	13°92'86	14°95'38												
1629	20	5°57'40	15°98'40	19	16°30'66	3°73'60									
1630	8	5°92'53	15°98'80	6	16°65'92	3°75'24									
1631	31§	12°61'76	15°89'09	33§	23°34'84	3°96'38	69 220	9°4							
1632	15	13°04'15	15°15'89	8	23°80'33	3°25'23									
1633	10	3°36'27	16°85'85	6	14°05'98	4°50'64									



## ZONE + 69°.

R.A. 3 <sup>h</sup> 30 <sup>m</sup> to 3 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 40 <sup>m</sup> to 3 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 30 <sup>m</sup> Dec. +69° Plate 1698. 1893, Dec. 16.				R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 697. 1892, Dec. 23.				Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. +69° Plate 1793. 1894, Feb. 13.				R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 697. 1892, Dec. 23.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	Mag.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	Mag.
1685	4	17°5471	15°1871					1738	20§	13°8057	19°8895	27§	24°2435	8°0941	69° 232 9°5
1686	4	18°8476	15°6470					1739	6*	4°7342	20°3362	5	15°1631	8°2202	
1687	14	21°4166	15°7311	8	10°6934	3°6392		1740	19	5°5140	20°8581	22§	15°9237	8°7664	69 227 9°5
1688	4	15°3677	16°5249					1741	3*	9°1166	20°4336	2*	19°5363	8°4747	
1689	17	15°4334	16°7280	9	4°7635	4°9188		1742	20§	10°2439	20°6850	22§	20°6544	8°7641	69 230 9°4
1690	14	16°8790	16°3434	7	6°1886	4°4660		1743	20§	11°0235	20°7174	23§	21°4335	8°8223	
1691	6	19°0327	16°7699					1744				4	15°8524	9°3604	
1692	22§	19°5996	16°0075	14	8°8912	4°0015		1745	7	8°0145	21°7123	12	18°3875	9°7103	
1693	8	20°1476	16°3157	3*	9°4541	4°2845		1746	5*	10°9937	22°0505	9	21°3525	10°1539	
1694	28§	22°7968	16°0048	20	12°0843	3°8481	69 226 9°5	1747	26§	8°3637	24°7972	28§	18°6284	12°8075	69 229 8°0
1695	6†	23°7658	16°0822	3*	13°0551	3°8817		1748	15	6°8289	25°6427	21	17°0670	13°5959	69 228 9°3
1696	25§	19°2010	17°5712	19	8°5664	5°5825	69 223 9°5	1749				6	18°4752	13°2730	
1697	18	19°4009	17°9031	10	8°7827	5°9035		R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup>							
1698	18§	21°6205	17°5058	9	10°9790	5°4028		Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. +69° Plate 1793. 1894, Feb. 13.				R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2971. 1896, Jan. 15.			
1699	8	14°0747	18°4247					1750	4*	20°7902	14°3962	5	10°0108	2°3185	
1700	41§	14°2451	18°6323	36§	3°6674	6°8757	69 221 8°9	1751	6	22°1502	14°6280	10	11°3765	2°4962	
1701	8	21°8646	18°5052	4	11°2704	6°3887		1752	11	22°7226	15°7524	22§	11°9965	3°5958	
1702	4	14°2141	19°3673					1753				4	12°2063	3°7581	
1703	4	21°3603	19°4540					1754	3*	15°0987	16°2321	6	4°3990	4°3831	
1704	23§	21°8068	19°7561	10	11°2731	7°6425		1755	4*	17°4173	16°2145	6	6°7164	4°2686	
1705	82§	16°9071	20°3130	63§	6°4048	8°4280	69 222 7°2	1756	10	17°5287	16°3623	20	6°8322	4°4146	
1706	11	17°7154	20°4088	4	7°2171	8°4863		1757				4	7°1163	4°5465	
1707	12	21°4901	20°4437	6	10°9865	8°3439		1758	10	19°7784	16°2033	16	9°0720	4°1667	
1708	9	22°3148	20°0952					1759	22	21°2902	16°4666	30§	10°5932	4°3664	69 234 9°0
1709	8	14°0999	21°3705	4	3°6529	9°6180		1760	3*	21°3763	16°2386	8	10°6719	4°1355	
1710	4	18°2221	21°5589					1761	3*	23°6763	17°1391	6	13°0050	4°9433	
1711	7	19°7785	21°2997	4	9°3181	9°2790		1762	8	14°5657	17°7425	16	3°9276	5°9140	
1712	8	21°5098	21°6121	3†	11°0627	9°5126		1763	3*	15°0540	17°1280	6	4°3908	5°2811	
1713	18	14°2127	22°1138	8	3°7991	10°3542		1764	37§	23°9295	17°5396	45§	13°2736	5°3335	69 238 8°1
1714	9	17°5684	22°1018					1765	6	14°8059	18°5717	14	4°2015	6°7339	
1715	25§	17°8402	22°2095	16	7°4256	10°2805		1766	5	21°9058	18°6315	11	11°2956	6°5031	
1716	18	20°4851	22°7027	8	10°0903	10°6487		1767	4*	21°5770	19°3886	6	10°9965	7°2768	
1717	42§	21°2589	23°2467	22§	10°8908	11°1551	69 224 9°0	1768				4	11°1206	7°9995	
1718	66§	21°7057	24°9593	42§	11°4180	12°8422	69 225 8°5	1769	3*	22°3511	19°6505	7	11°7769	7°5060	
1719	8	22°5194	24°0785	4	12°1881	11°9243		1770				6	11°8513	7°2799	
1720	7*	21°5707	25°2016	4	11°2932	13°0901		1771	5*	23°7795	20°0300	10	13°2252	7°8247	
1721	5*	21°8408	26°0086	4	11°6006	13°8801		1772	6†	24°4015	19°8049	16	13°8341	7°5802	
R.A. 3 <sup>h</sup> 40 <sup>m</sup> to 3 <sup>h</sup> 50 <sup>m</sup>								1773	4*	19°0396	20°1917	9	8°4962	8°1843	
Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. +69° Plate 1793. 1894, Feb. 13.				R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 697. 1892, Dec. 23.				1774	3*	24°4432	20°9321	8	13°9241	8°7013	
1722	4*	3°4370	14°9017	4	14°0583	2°7410		1775	15	15°1859	21°5802	24§	4°7014	9°7256	69 233 9°1
1723	3	6°3582	14°0063					1776	8	15°2447	21°5522	13	4°7584	9°6940	
1724	24§	7°5168	14°8103	31§	18°1374	2°7968	68 289 9°3	1777	2*	21°8367	21°3288	6	11°3341	9°2000	
1725	3*	8°3459	15°6102	3*	18°9354	3°6232		1778	46§	21°9670	21°2168	46§	11°4609	9°0849	69 235 8°4
1726	6	11°2029	15°0457	4*	21°8152	3°1609		1779	3*	24°1988	22°1305	10	13°7272	9°9102	
1727	8	12°0365	15°4658	9	22°6345	3°6101		1780				4	7°0617	10°8662	
1728	24§	10°8973	16°6326	35§	21°4518	4°7379		1781	4*	17°6971	22°4206	6	7°2437	10°4650	
1729	23§	10°9071	16°5936	32§	21°4630	4°6982	69 231 8°0	1782	8	22°4928	22°1811	17	12°0243	10°0280	
1730	4	8°2897	18°9628	4	18°7638	6°9735		1783	4*	22°9442	23°8682	12	12°5493	11°6977	69 237 9°5
1731	6	13°7023	18°4754	6	24°1889	6°6795		1784				4	13°3544	11°0772	
1732	9	4°1753	19°6754	8	14°6262	7°5416		1785	6*	14°1755	24°0971	14	3°7995	12°2752	
1733	13	4°8501	19°0208	13	15°3230	6°9080		1786				7	5°9815	12°9588	
1734	6	8°6821	19°3373	5	19°1416	7°3623		1787				3	6°1586	13°6766	
1735	5	10°9763	19°3986	4*	21°4324	7°5057		1788	2*	19°3979	25°7076	6	9°0763	13°6756	
1736	5†	11°0870	19°7363	3	21°5316	7°8462		1789	4*	19°4089	25°4496	11	9°0767	13°4148	
1737	5	11°3353	19°2227	6	21°7998	7°3415		1790	5*	20°6121	25°0442	14	10°3021	13°9616	

No. 1705. This appears to be a double star, but the images are not separated.

x réseau interval represents very nearly 5' = 55°8 of R.A. at Dec. + 69°, and 58°5 at Dec. + 70°.

## ZONE + 69°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 3 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1793. 1894, Feb. 13. Plate 2971. 1896, Jan. 15.									Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1794. 1894, Feb. 13. Plate 2971. 1896, Jan. 15.								
1791	8	20°6565	25°4493	16	10°3255	13°3666	°	m.	1840	12	12°4123	24°7802	21§	22°6692	13°0654	69° 247	9°2
1792				8	11°4672	13°1939			1841				6	23°4620	13°8334		
1793	10	22°4539	25°7981	23§	12°1363	13°6439	69 236	9°0	1842				5	23°5590	13°4902		
1794				6	13°9573	13°9428											
	34§	24°6476	18°2531				69 239	9°0		44§	2°6609	17°5008				69 238	8°1
	37§	26°7540	21°9468				69 242	9°0		55§	1°0258	21°3347				69 235	8°4
	49§	24°4724	26°9533				69 240	8°3		20	1°9189	25°8538				69 236	9°0
										53§	4°0225	26°8282				69 240	8°3
R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup>									R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup>								
Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1794. 1894, Feb. 13. Plate 2971. 1896, Jan. 15.									Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1794. 1894, Feb. 13. Plate 4156. 1898, Oct. 24.								
1795	22§	5°5347	14°1336	36§	16°3023	2°1053	68° 307	8°9	1843	6	17°9755	14°7903	16	7°1309	2°9958	°	m.
1796	7	7°0840	14°8432	10	17°8175	2°8889			1844	3*	18°9879	14°1813	5*	8°1196	2°3507		
1797	4*	8°9077	14°8542	6	19°6352	2°9833			1845	4	19°1800	14°6564	5	8°3265	2°8164		
1798	17	5°4167	15°1505	22§	16°1375	3°1154	68 305	9°4	1846	4†	20°4147	14°1552	11	9°5429	2°2721		
1799	3*	8°0312	15°4152	5*	18°7385	3°5037			1847	22	23°3285	14°4689	40§	12°4675	2°4765	68 327	9°1
1800	4*	11°8112	15°2247	6*	22°5226	3°4920			1848	7	17°9238	15°2726	18	7°0963	3°4774		
1801	4*	12°9202	14°8721	4*	23°6469	3°1913			1849	8	20°7433	14°9110	20	9°9000	3°0143		
1802	4*	7°6482	16°4370	7	18°3075	4°5048			1850	18	22°0008	15°5149	28§	11°1780	3°5681	69 254	9°5
1803	38§	7°6723	16°9066	44§	18°3083	4°9765	69 243	7°5	1851	21§	23°2997	15°5290	32§	12°4770	3°5344		
1804	10	13°4248	15°7379	20	24°1093	4°0820			1852	47§	24°0685	15°8205	63§	13°2576	3°7999	69 258	7°0
1805	4*	6°8313	17°6676	6	17°4329	5°6968			1853	4	24°1758	15°6561	11	13°3591	3°6322		
1806	21§	10°8150	16°8567	32§	21°4502	5°0777	69 246	9°0	1854				5	13°6316	3°3775		
1807				4	21°8573	5°6177			1855	9	16°7554	16°5105	23	5°9750	4°7587		
1808	22§	3°4382	18°1454	29§	14°0203	6°0150	69 239	9°0	1856	4*	16°7951	16°6501	10	6°0210	4°8947		
1809	4*	3°7030	18°4842	10	14°2687	6°3657			1857	3*	17°1018	16°3010	10	6°3128	4°5350		
1810	16	5°4876	18°4769	19§	16°0514	6°4425	69 241	9°5	1858				7	13°7464	4°7584		
1811	15	10°5154	18°0948	21§	21°0922	6°2964	69 245	9°3	1859	4	16°8800	16°7949	13	6°1096	5°0368		
1812	10	10°9230	18°3593	17	21°4882	6°5795			1860	27§	17°0165	17°2731	41§	6°2645	5°5128	69 251	9°0
1813	14	13°4505	18°1886	25	24°0203	6°5335			1861	4*	18°7858	17°8125	11	8°0515	5°9845		
1814				4	16°9998	7°7679			1862	3*	19°0333	17°5151	4	8°2884	5°6767		
1815	3*	10°3802	19°6747	5*	20°8837	7°8690			1863	7	21°4364	17°1818	16	10°6760	5°2558		
1816	3*	5°7134	20°5922	6	16°1757	8°5656			1864	26§	23°8473	17°3122	35§	13°0905	5°2987	69 257	9°3
1817	8	9°4264	20°6510	13	19°8827	8°8001	69 244	9°3	1865	22§	16°4092	18°1200	38§	5°6875	6°3790	69 250	9°2
1818	8	9°4739	20°5947	14	19°9337	8°7462			1866	3*	16°7833	18°3980	4	6°0718	6°6425		
1819	6	9°4739	20°6149	11	19°9337	8°7659			1867				3	8°1005	6°6535		
1820	9	10°0748	19°9655	14	20°5642	8°1453			1868				4	8°4674	6°8695		
1821	2*	12°0452	20°0653	5	22°5289	8°3370			1869				4	9°4845	6°7686		
1822				4	14°6955	9°4846			1870	17	17°3519	19°5702	32§	6°6829	7°7926		
1823	10	4°5456	22°0273	16	14°9438	9°9443			1871				3	8°7733	7°8086		
1824	13	5°6278	21°8688	18	16°0323	9°8359			1872	8	19°5313	18°9285	19	8°8352	7°0740		
1825	33§	5°8572	21°6408	37§	16°2716	9°6188	69 242	9°0	1873	4*	19°7932	19°5089	12	9°1196	7°6444		
1826	13	9°9530	21°6273	17	20°3639	9°8008			1874				3†	9°2690	7°5941		
1827	5*	10°6722	21°5152	10	21°0870	9°7213			1875				4	11°1144	7°9755		
1828	4*	13°9792	21°3881	5*	24°3973	9°7506			1876	3*	22°0962	19°0940	9	11°4063	7°1467		
1829				6	17°5773	10°0028			1877	3*	22°5106	19°2259	7	11°8242	7°2615		
1830	5	9°6996	22°3913	11	20°0752	10°5541			1878				9	12°6354	7°8821		
1831	6	9°8166	22°7253	13	20°1751	10°8946			1879				6	13°1417	7°2736		
1832	5*	10°0802	22°4882	9	20°4479	10°6689			1880	4†	24°2849	19°9894	12	13°6254	7°9610		
1833	5*	13°1517	21°8026	9	23°5510	10°1243			1881	3*	17°5925	20°2956	8	6°9495	8°5124		
1834	4*	10°6813	22°8315	11	21°0369	11°0365			1882	3*	19°9904	20°2393	3*	9°3421	8°3627		
1835				4	16°8263	12°6225			1883				4	9°7418	8°0188		
1836				6	17°9391	12°9550			1884	3*	21°5586	20°4045	8	10°9144	8°4737		
1837				5	15°0658	13°1422			1885	5*	23°2631	20°1253	12	12°6102	8°1296		
1838				6	15°9498	13°7938			1886				5	4°1728	9°2521		
1839	15	6°0832	25°2533	21§	16°3256	13°2412			1887				4	4°9438	9°8718		



## ZONE + 69°.

R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 20 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup> —contd.																
Centre R.A. 4 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°												
Plate 1794. 1894, Feb. 13.				Plate 4156. 1898, Oct. 24.					Plate 3354. 1897, Feb. 7.				Plate 4156. 1898, Oct. 24.												
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
								No.									No.								
								Mag.									Mag.								
1888	12	18°14'15	21°68'69	22§	7°54'93	9°87'89			1936	9	6°15'09	20°43'06	23§	16°60'42	8°29'01										
1889	7	18°46'97	22°16'13	17	7°89'49	10°34'37	69	252	9°5	1937	5†	6°78'34	20°44'93	16	17°23'56	8°33'47									
1890	18	17°65'38	23°38'81	27§	7°12'60	11°59'66			1938				6	18°82'49	8°72'65										
1891				6	7°98'18	11°20'98			1939	2*	10°19'92	20°43'45	7	20°64'97	8°45'86										
1892				4	8°66'83	11°77'51			1940	6	11°10'55	20°16'32	18§	21°56'58	8°22'50										
1893				3	13°28'88	11°69'95			1941				8	15°36'74	9°42'67										
1894				5	13°40'59	11°62'13			1942				6	17°78'93	9°82'19										
1895				8	7°33'32	12°58'64			1943	6	12°41'11	21°01'68	20	22°83'36	9°13'36										
1896	17	20°02'75	24°27'02	28§	9°53'15	12°39'10	69	253	9°4	1944	11	4°18'01	22°39'01	28§	14°55'38	10°16'60	69	259	9°3						
1897				8	11°31'67	12°10'48			1945				6*	18°79'39	10°86'09										
1898				7	12°08'31	12°80'81			1946				8	19°86'36	10°93'33										
1899	47§	23°11'56	24°69'25	51§	12°63'07	12°69'91	69	255	9°0	1947	2*	5°88'18	23°42'45	6*	16°20'86	11°27'00									
1900				4	13°98'55	12°36'55			1948	5*	6°47'53	23°71'06	14	16°79'09	11°58'04										
1901	4†	14°35'91	24°93'51	12	3°89'09	13°26'62			1949				5	16°82'14	11°84'23										
1902				6	7°18'05	13°88'80			1950	3*	9°16'69	23°04'96	9	19°51'05	11°03'20										
1903	4*	19°06'59	25°75'01	17	8°62'31	13°90'65			1951	4†	13°34'79	22°91'86	10	23°69'27	11°07'28										
1904	21	22°48'62	25°88'86	31§	12°04'53	13°91'52			1952				7	15°07'95	12°62'80										
1905				8	13°29'95	13°07'33			1953				6	15°15'58	12°91'25										
	46§	25°16'90	14°38'02				68	329	8°8	1954	4*	5°72'68	24°23'77	13	16°02'00	12°07'75									
	29	26°48'75	25°15'07				69	260	9°0	1955				6	18°72'38	12°72'84									
	34	23°10'78	26°47'57				69	256	9°0	1956				9	19°00'53	12°66'96									
R.A. 4 <sup>h</sup> 20 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup>									R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup>																
Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°												
Plate 3354. 1897, Feb. 7.				Plate 4156. 1898, Oct. 24.					Plate 3354. 1897, Feb. 7.				Plate 4157. 1898, Oct. 24.												
1906	26§	3°60'64	14°56'23	57§	14°30'13	2°32'03	68	329	8°8		16	1°78'02	14°79'30			68	327	9°1							
1907	20§	4°02'60	14°92'95	41§	14°70'58	2°70'57	68	330	9°4		34§	2°62'38	16°08'12			69	258	7°0							
1908				3	14°79'38	2°92'85					36§	2°36'15	24°99'88			69	255	9°0							
1909	4*	4°97'39	14°39'43	9*	15°67'40	2°21'16					30	2°49'20	26°77'61			69	256	9°0							
1910	11	5°67'68	14°86'66	26§	16°35'88	2°71'18					20	13°84'07	26°96'35			69	265	8°0							
1911				9†	19°36'17	2°05'16				R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup>															
1912	8	12°16'49	14°07'43	26	22°87'53	2°18'61	68	338	9°5	Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°											
1913	4†	12°23'05	14°06'57	11	22°93'88	2°17'98				Plate 3354. 1897, Feb. 7.				Plate 4157. 1898, Oct. 24.											
1914				5	21°25'07	3°63'92				1964	3	14°14'48	14°59'95	6	3°26'57	2°83'59									
1915	5	7°32'31	16°94'80	15	17°91'82	4°85'88				1965	2*	15°33'40	14°02'35	4*	4°42'69	2°20'49									
1916				6	18°89'42	4°01'78				1966	20§	22°53'87	14°31'00	34§	11°63'66	2°15'63	68	347	9°2						
1917	8	8°97'78	16°88'87	24	19°57'30	4°86'60				1967	6	23°18'33	14°82'96	15	12°30'50	2°64'67									
1918				9	20°77'87	4°87'64				1968	4	17°50'69	15°04'97	9	6°64'48	3°13'05									
1919	3*	12°33'87	16°17'23	9	22°96'13	4°28'69				1969	4	19°87'19	15°53'28	8	9°03'05	3°50'14									
1920	2*	12°53'94	16°28'54	7†	23°15'92	4°40'82				1970	2*	22°08'91	15°15'58	4	11°22'80	3°02'50									
1921	21§	13°54'79	16°33'46	57§	24°16'46	4°50'04	69	264	9°2	1971	2*	22°20'17	15°74'38	4	11°36'40	3°60'60									
1922				3	16°88'67	5°95'98				1972	4	22°67'88	16°10'17	8	11°86'07	3°94'08									
1923	6	6°71'06	17°77'99	21	17°27'39	5°66'45				1973	3	24°78'75	15°56'33	6	13°94'05	3°30'64									
1924	5*	7°46'88	17°12'72	11	18°05'60	5°04'38				1974	10	16°20'98	16°81'03	28§	5°43'11	4°94'93									
1925	5*	7°48'08	17°11'87	11	18°06'88	5°03'50				1975	18§	18°67'95	16°84'70	30§	7°90'00	4°87'04	69	269	9°1						
1926				6	18°39'42	5°61'50				1976	4	24°54'54	16°89'37	14	13°76'18	4°64'42									
1927	14	8°66'79	17°76'60	35§	19°22'88	5°73'09	69	262	9°3	1977	8	17°92'82	17°88'62	19	7°19'88	5°94'40									
1928				7	19°54'46	5°18'15				1978	7	19°84'16	17°78'27	10	9°10'53	5°75'06									
1929	24§	6°60'46	18°66'79	52§	17°13'13	6°54'65	69	261	8°3	1979	4	20°50'90	17°10'51	9	9°74'00	5°04'30									
1930	5	9°22'67	18°55'62	15	19°75'44	6°54'46				1980				4	10°47'26	5°04'73									
1931	9	10°27'33	18°65'49	25§	20°79'84	6°68'33				1981				4	13°51'63	5°25'53									
1932	14	12°03'30	18°88'32	38§	22°54'55	6°98'48	69	263	9°2																
1933	3*	4°46'81	19°53'18	11	14°95'85	7°32'33																			
1934				8	14°25'12	8°72'71																			
1935				6	14°47'54	8°20'25																			

x réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 4 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3354. 1897, Feb. 7.				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4157. 1898, Oct. 24.				Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1699. 1893, Dec. 16.				R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4157. 1898, Oct. 24.			
No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>		No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	
D. B.								B. D.							
No. Mag.								No. Mag.							
1982	7*	14°0052	17°7833	17	3°2730	6°0235	° m	2038	5	5°0990	14°9798	4*	15°6836	2°7807	° m.
1983	3*	14°4977	18°6502	4	3°8097	6°8669		2039	11	6°1528	14°3891	6	16°7528	2°2252	
1984	6	14°7603	18°6570	14	4°0732	6°8606		2040	24§	6°6696	14°9438	25§	17°2591	2°7910	
1985	3*	15°0323	18°2664	4	4°3227	6°4591		2041	6	6°8830	14°6690	4*	17°4769	2°5279	
1986	7	16°0150	18°0798	18	5°2060	6°2264		2042	24§	7°2171	14°6958	24	17°8116	2°5654	
1987				6	6°7452	6°0488		2043	5	9°3864	14°5757				
1988				4	7°4996	6°8044		2044	4	12°8674	14°7129				
1989				3	13°2877	6°5219		2045	6	6°8833	15°6542	4*	17°4465	3°5100	
1990	23§	24°4868	19°0383	30§	13°8011	6°7889	69 277 9°5	2046	4	7°5641	15°7986				
1991	9	17°6900	18°9940	21§	6°9305	7°0648		2047	7	8°0572	15°2523	5*	18°6347	3°1470	
1992	6	18°1280	19°8663	18	7°4881	7°9120		2048	54§	12°0672	15°8187	56§	22°6256	3°8388	69 285 8°3
1993	3*	18°4865	19°4308	5	7°8282	7°4627		2049	26§	12°1370	15°7505	26	22°6944	3°7745	
1994				3	9°4566	7°3689		2050	29§	13°0628	15°3079	43§	23°6333	3°3626	69 287 9°5
1995				4	10°7090	7°5130		2051	7	13°4262	15°5315				
1996	3*	23°6863	20°0551	12	13°0475	7°8401		2052	6	7°5160	16°7186	6*	18°0429	4°5978	
1997	5	24°3669	20°2314	15	13°7389	7°9880		2053	5	8°3235	16°8116	3*	18°8487	4°7154	
1998				5	3°8924	8°9010		2054	7	8°9102	16°2610				
1999	4	16°0690	20°7348	8	5°4727	8°8762		2055	16	3°8139	17°2703	14	14°3280	5°0285	
2000	3	16°9533	20°3134	6	6°3362	8°4136		2056	7	5°7425	17°1200	5	16°2594	4°9398	
2001				6	7°0748	8°6326		2057	8	7°1781	17°8886	7	17°6698	5°7536	
2002	2*	21°1582	20°1056	6	10°5250	8°0088		2058	9	7°1995	17°9482	8	17°6898	5°8129	
2003	6	21°8225	20°3039	10	11°2003	8°1776		2059	40§	11°2011	17°9565	40§	21°6895	5°9503	69 284 8°8
2004				6	13°5228	8°7515		2060	12	12°0025	17°0605	10	22°5198	5°0800	
2005	25§	19°0428	21°6289	41§	8°4855	9°6315	69 270 8°3	2061	4	12°6647	17°2843				
2006	3*	21°4608	21°3098	5	10°8858	9°2023		2062	41§	13°4786	17°2272	42§	23°9890	5°2913	69 289 9°2
2007				2	11°2159	9°5630		2063	47§	13°5873	17°1662	55§	24°1007	5°2354	69 290 8°5
2008				3	11°4897	9°8692		2064	20§	13°9560	17°0280	17	24°4711	5°1090	
2009	38§	22°5284	21°1895	54§	11°9467	9°0285	69 273 8°2	2065	12	3°6199	18°3570	14	14°0983	6°1092	
2010	12	22°8135	21°8893	24§	12°2629	9°7170	69 274 9°4	2066	4*	4°4460	18°9108	3*	14°9054	6°6855	
2011	30§	15°8927	22°7710	53§	5°3918	10°9175	69 267 8°0	2067	7*	6°7747	18°0398	5	17°2604	5°8944	
2012				4	5°7110	10°4360		2068	40§	8°0214	18°1117	30§	18°5035	6°0048	69 282 9°3
2013				3	7°5472	10°7372		2069	5	8°1876	18°7810	4	18°6507	6°6780	
2014	4*	18°2613	22°8705	8	7°7623	10°9076		2070	4	8°4153	18°0045	3*	18°8998	5°9055	
2015	3*	18°4840	22°4386	6	7°9650	10°4664		2071	4	13°1232	18°8923				
2016				3	9°2090	10°4054		2072	5	13°4125	18°7855				
2017				3	9°3505	11°5407		2073	8	13°7031	18°8733	5*	24°1602	6°9465	
2018	8	20°2502	23°6440	19	9°7852	11°5874		2074	23	4°0203	19°5627	16	14°4608	7°3266	
2019				4	9°7855	11°1454		2075	46§	5°2617	19°4490	40§	15°7038	7°2522	69 278 8°5
2020	24§	22°4624	23°9310	26§	12°0088	11°7708		2076	14§	6°0033	19°1925	13	16°4535	7°0203	69 279 9°5
2021				3	12°4188	11°1811		2077	18	6°2657	19°9843	12	16°6913	7°8197	
2022				5	5°1684	12°1726		2078	26§	7°1269	19°1976	22§	17°5797	7°0603	
2023				3	6°6477	12°4678		2079	6	7°2493	19°1475	5	17°7015	7°0153	
2024	5†	17°2402	24°4190	11	6°8137	12°5023		2080	24§	11°0000	19°8918	26§	21°4268	7°8777	69 283 8°8
2025				4	6°9995	12°7940		2081	7	11°6913	19°6989	6	22°1227	7°7063	
2026	2*	17°7086	24°3540	6	7°2792	12°4133		2082	4	12°8231	19°9278				
2027	6	19°2025	24°3047	14	8°7701	12°2952		2083	22	12°9350	19°9243	19	23°3599	7°9700	
2028	4	19°6184	24°3532	13	9°1868	12°3258		2084	19	4°5634	20°1343	13	14°9865	8°9128	
2029	27§	19°9535	24°7748	34§	9°5419	12°7326	69 271 9°0	2085	5	6°1232	20°0195	4†	16°5496	7°8469	
2030				6	10°1336	12°2545		2086	20	7°2459	20°5942	13	17°6514	8°4596	
2031				3	11°5813	12°6410		2087	6*	7°9960	20°7987	4	18°3938	8°6892	
2032	30§	23°9498	25°1863	38§	13°5521	12°9543	69 275 9°1	2088	5	8°0924	20°5170	4	18°4998	8°4099	
2033				6	3°6038	13°0713		2089	4	8°5461	20°4602	4	18°9572	8°3662	
2034	12	14°3354	25°7438	25§	3°9758	13°9615		2090	4	10°4839	20°5737	2*	20°8909	8°5425	
2035				13	11°3119	13°8434		2091	21§	5°1980	21°4136	15	15°5798	9°2136	
2036	4*	22°8326	25°2544	13	12°4401	13°0770		2092	4	5°7056	21°4021	4	16°0855	9°2193	
2037	4*	24°0297	25°4804	14	13°6475	13°2493	69 276 9°5	2093	6	7°4282	21°0125	5	17°8209	8°8848	
								2094	24§	8°1355	21°1125	20§	18°5235	9°0065	69 281 9°5
	31§	26°3635	19°5874				69 278 8°5	2095	3	9°6465	21°0495				
	30§	20°5468	26°9500				69 272 8°5	2096	19	10°6141	21°9105	17	20°9753	9°8813	



## ZONE + 69°.

R.A. 4 <sup>h</sup> 40 <sup>m</sup> to 4 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°.				Centre R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°.				Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°.				Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°.			
Plate 1699. 1893, Dec. 16.				Plate 4157. 1898, Oct. 24.				Plate 1699. 1893, Dec. 16.				Plate 4158. 1898, Oct. 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
2097	13	11°1439	21°4320	9	21°5214	9°4208	° m.	2149	8	15°0685	16°7151	9	4°3709	4°8650	° m.
2098	6	7°2405	22°5039	5	17°5872	10°3682		2150	7	15°1794	16°8503	5	4°4848	4°9945	
2099	6	9°0168	22°4591	5	19°3617	10°3799		2151	10	16°5268	16°9020	14	5°8343	4°9893	
2100	19	12°2401	22°1289	17	22°5927	10°1515		2152	3	16°6893	16°0698	4*	5°9610	4°1521	
2101	6	12°8643	22°3425	4*	23°2107	10°3842		2153	41§	18°6930	16°8748	44§	7°9990	4°8657	69 294 8.7
2102	35§	5°6050	23°0410	21§	15°9336	10°8529		2154	27§	18°7866	16°5302	31§	8°0795	4°5188	69 295 8.9
2103	7	6°5227	23°3312	5	16°8400	11°1720		2155	20§	20°3274	16°6775	20	9°6214	4°5955	
2104	5*	8°2712	23°1925	4	18°5930	11°0882		2156				3	9°7801	4°8745	
2105	6	11°3346	23°4815	4	21°6475	11°4768		2157	23	22°0760	16°2263	22§	11°3503	4°0683	
2106	14	11°4684	23°9508	10	21°7633	11°9500		2158	9	23°7346	16°3501	12	13°0105	4°1217	
2107	5*	12°9025	23°6957	4*	23°2048	11°7394		2159	4	14°5149	17°4431	4†	3°8491	5°6169	
2108	7	13°0632	23°7435	6†	23°3648	11°7921		2160	3	14°8751	17°4954	3*	4°2122	5°6551	
2109	67§	13°1154	23°6299	60§	23°4229	11°6795	69 288 7.8	2161	13	16°2340	17°8628	11	5°5844	5°9610	
2110	7	13°2283	23°3803	5	23°5411	11°4359		2162	4	18°2009	17°5006	6	7°5331	5°5139	
2111	14	13°6674	23°0310	9	23°9920	11°0985		2163	3†	19°9438	17°3687	3	9°2685	5°3042	
2112	60§	6°2923	24°5861	41§	16°5725	12°4187	69 280 9.0	2164	7	21°2899	17°9206	11	10°6389	5°7959	
2113	3*	7°4560	24°5255	4	17°7379	12°3972		2165				4	11°8942	5°1547	
2114	5*	8°5903	24°9128	6	18°8584	12°8211		2166	33§	22°8073	17°2246	26§	12°1218	5°0345	
2115	3*	9°5085	24°4882	4*	19°7885	12°4244		2167	6	22°8757	18°0913	8	12°2286	5°8953	
2116	4*	9°5090	24°3170	4	19°7932	12°2515		2168	3*	23°8466	17°6478	4*	13°1797	5°4119	
2117	6†	9°7676	24°6218	8	20°0417	12°5667		2169	4*	23°8621	18°0333	5	13°2112	5°7943	
2118	15	10°1456	24°1714	12	20°4345	12°1289		2170	14	24°3146	18°0048	18§	13°6628	5°7409	
2119	11	12°3290	24°9248	9	22°5936	12°9495		2171	6	15°0245	17°9197	8	4°3801	6°0747	
2120	58§	12°8951	24°7844	42§	23°1640	12°8260	69 286 8.4	2172	3*	15°6846	18°2058	3*	5°0515	6°3267	
2121	9	12°8968	24°1290	8	23°1877	12°1705		2173	3	15°7051	17°8845	4†	5°0596	6°0058	
2122	18	4°8412	25°1994	16	15°1010	12°9868		2174	9	16°0135	18°2295	15	5°3797	6°3380	
2123	17	5°9493	25°1264	12	16°2099	12°9486		2175	3*	18°4036	18°5403	3	7°7832	6°5430	
2124	5*	9°1634	25°6078	6	19°4089	13°5326		2176	3†	18°9362	18°4276	3*	8°3100	6°4056	
2125				4	19°4566	13°6710		2177	16	20°4437	18°7513	21§	9°8292	6°6635	
2126	35§	11°9563	25°1172	25§	22°2151	13°1284		2178	46§	21°2511	18°8661	50§	10°6420	6°7385	69 297 9.0
2127	5*	12°2499	25°0348	4*	22°5114	13°0570		2179	17	22°3236	19°0746	20§	11°7205	6°9040	
2128	11	12°8516	25°3027	8	23°1025	13°3438		2180				6	7°4200	7°5363	
2129	8	13°1429	25°4311	7	23°3896	13°4797		2181	4	20°2040	19°5610	6	9°6242	7°4818	
2130	7	13°2617	25°4714	6	23°5060	13°5281		2182	10	20°6134	19°8185	15	10°0420	7°7220	
	74§	1°5595	21°3454				69 273 8.2	2183	8	18°7949	20°1488	12	8°2427	8°1318	
								2184	4	21°4531	20°2107	4	10°8992	8°0733	
								2185	39§	22°1077	20°3194	37§	11°5615	8°1559	69 299 8.8
								2186	34	22°3261	20°6900	25§	11°7966	8°5192	69 300 9.0
								2187	82§	23°0698	20°2680	85§	12°5208	8°0625	69 302 6.5
								2188	29	24°0085	21°1155	26§	13°4945	8°8676	
								2189	29	24°2207	20°7118	27§	13°6861	8°4579	
								2190	3*	16°3609	21°4698	3*	5°8708	9°5588	
								2191	3*	17°1531	21°8722	4	6°6807	9°9292	
								2192	4*	17°5708	21°8574	4	7°0973	9°8934	
								2193	3*	20°8481	21°5028	4	10°3565	9°3956	
								2194	26	21°2642	21°9170	24§	10°7873	9°7915	
								2195	10	21°9173	22°1264	10	11°4495	9°9718	
								2196				3	11°6201	9°1351	
								2197	42§	15°0743	22°2581	44§	4°6201	10°4023	69 292 9.1
								2198	7	18°8248	22°2246	8	8°3635	10°2047	
								2199	7	20°0193	22°2548	8	9°5589	10°1826	
								2200	2*	20°5291	22°2208	3*	10°0656	10°1313	
								2201	76§	22°6477	23°0100	66§	12°2190	10°8202	69 301 8.5
								2202				3	12°7604	10°3948	
								2203	10	24°1564	23°0870	18§	13°7304	10°8290	
								2204	5*	14°3331	23°3143	6	3°9278	11°4928	
								2205	6	16°3617	23°0120	7	5°9395	11°0997	
								2206				3	10°4803	11°7966	
								2207	52§	21°6849	23°6885	47§	11°2874	11°5418	69 298 8.5

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 4 <sup>h</sup> 50 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup> —contd.															
Centre R.A. 4 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°												
Plate 1699. 1893, Dec. 16.			Plate 4158. 1898, Oct. 24.						Plate 3844. 1898, Feb. 4.			Plate 4158. 1898, Oct. 24.												
No	Diam.	x.	y.	Diam.	x.	y.	B. D.		No	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								Mag.																
2208	9	15°0343	24°3458	16	4°6717	12°4883	°	m.	2259	5	6°5297	18°0675				°	m.							
2209	4*	16°1341	24°6440	8	5°7827	12°7378			2260	5	6°5848	18°7473	5*	17°0167	6°6524									
2210	6	17°5132	24°2030	10	7°1427	12°2418			2261	6	8°2243	18°7733	6	18°6532	6°7368									
2211	11	17°6888	24°2648	16	7°3200	12°2946			2262	4	8°7864	18°8847	2*	19°2142	6°8718									
2212	7	18°4837	24°4638	11	8°1269	12°4565			2263	9	9°3723	18°9545	9	19°7952	6°9638									
2213	4†	18°6179	24°4609	6	8°2592	12°4471			2264	3*	9°3747	18°6367	2*	19°8097	6°6539									
2214				5	9°3301	12°8664			2265	5	10°6281	18°6461	5*	21°0611	6°7068									
2215	7†	20°2427	24°2491	13	9°8708	12°1647			2266	9	11°2151	18°4739	10	21°6578	6°5572									
2216	11	20°5293	24°4108	18	10°1630	12°3150			2267	15§	12°7397	18°1826	18	23°1906	6°3248									
2217	8	20°8481	24°7458	17	10°4974	12°6332			2268	15	4°2305	19°3473	15	14°6400	7°1597									
2218	5*	23°0451	24°2603	7	12°6703	12°0478			2269	7	5°0907	19°2133	8	15°5085	7°0587									
2219	36§	14°2338	24°8355	36§	3°8958	13°0155	69 291	9.5	2270	6	5°5302	19°7506	6	15°9268	7°6130									
2220	3	14°6147	25°5023	7	4°3075	13°6659			2271	9	6°8476	19°6014	8	17°2495	7°5135									
2221	6	15°1311	25°1167	16	4°8020	13°2589			2272	12	6°9503	19°5829	13	17°3512	7°4975									
2222	44§	16°8094	25°1173	44§	6°4804	13°1819	69 293	8.7	2273	8	7°9935	19°5362	11	18°3976	7°4935									
2223				3	7°9838	13°1785			2274	4	8°3823	19°6017	3*	18°7842	7°5760									
2224				3	9°2388	13°3954			2275	3*	8°8782	19°9068	2*	19°2663	7°9017									
2225	25	23°1449	25°3995	24§	12°8210	13°1851	69 303	9.5	2276	5*	9°2757	19°0659	3*	19°6932	7°0738									
	53§	25°3649	25°1706				69 305	8.8	2277	6	10°7590	19°7655	6*	21°1497	7°8296									
R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup>									R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.															
Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°												
Plate 3844. 1898, Feb. 4.			Plate 4158. 1898, Oct. 24.						Plate 3844. 1898, Feb. 4.			Plate 4158. 1898, Oct. 24.												
2226	4*	4°7769	14°9873	2*	15°3617	2°8238	°	m.	2284	19§	6°1424	20°4657	23§	16°5108	8°3509	69 306	9.5							
2227	12	5°3509	14°1469	20	15°9648	2°0065			2285	4*	6°5744	20°1563	2*	16°9557	8°0568									
2228	6	6°0470	14°0530	6	16°6613	1°9377			2286	4	7°8410	20°3400	3*	18°2144	8°2908									
2229	21§	7°6783	14°1732	27§	18°2906	2°1212			2287	10	7°8685	20°4926	13	18°2342	8°4438									
2230	21§	10°9828	14°6526	37§	21°5719	2°7278	68 375	9.0	2288	4*	8°0727	20°8253	2*	18°4201	8°7846									
2231	28§	11°3710	14°2373	48§	21°9785	2°3302	68 378	8.7	2289	7	8°6601	20°5398	8	19°0228	8°5199									
2232	6	12°2192	14°5759	3*	22°8117	2°7036			2290	4	8°9368	20°3244	3*	19°3075	8°3168									
2233	4	12°6378	14°3962						2291	4*	10°3512	20°3258	2*	20°7207	8°3743									
2234	9	12°6499	14°3049	12	23°2528	2°4464			2292	9	11°1586	20°1972	11	21°5325	8°2778									
2235	10	4°5253	15°4368	10	15°0919	3°2641			2293	8	13°0025	20°8749	13	23°3500	9°0248									
2236	5*	4°5375	15°8668	4*	15°0822	3°6913			2294	5*	4°2587	21°7949	4	14°5767	9°6065									
2237	5*	8°0192	15°7045	4*	18°5697	3°6673			2295	7	4°4760	21°0060	5	14°8227	8°8230									
2238	5	11°8942	15°2526						2296	10	7°0740	21°6466	11	17°3955	9°5650									
2239	7	4°6753	16°4662	6	15°1994	4°2963			2297	7	7°7173	21°4453	7	18°0458	9°3920									
2240	7	6°2970	16°4321	7	16°8202	4°3250			2298	5†	7°8265	21°5434	4*	18°1496	9°4928									
2241	5*	8°7476	16°6258	4*	19°2627	4°6133			2299	14	9°3114	21°7415	15§	19°6290	9°7466									
2242	7	9°5597	16°0756	7	20°0982	4°0955			2300	4*	9°4867	21°1018	4*	19°8277	9°1138									
2243	5	10°7013	16°1188	5*	21°2371	4°1823			2301	10	11°5470	21°1540	15	21°8840	9°2474									
2244	5	11°4265	16°7283						2302	6	12°1324	21°2842	6	22°4631	9°4024									
2245	10	12°1837	16°6851	11	22°6949	4°8044			2303	7	12°5305	21°6236	9	22°8493	9°7556									
2246	4*	4°6850	17°6545	3*	15°1597	5°4833			2304	9	3°9723	22°6573	10	14°2561	10°4575									
2247	4*	4°6912	17°7879	3*	15°1632	5°6168			2305				3	15°1107	10°8623									
2248	5	4°9218	17°1498	5*	15°4200	4°9883			2306	24§	5°1766	22°3172	26§	15°4730	10°1635									
2249	5	5°1405	17°5055	4	15°6274	5°3545			2307	3†	6°3540	22°0452	4*	16°6609	9°9380									
2250	6*	5°7063	17°1532	2*	16°2015	5°0228			2308	23§	7°0692	22°5078	27§	17°3593	10°4265	69 307	7.0							
2251	5	8°0288	17°2539	4*	18°5197	5°2138			2309	41§	7°0820	22°5204	51§	17°3700	10°4395									
2252	3*	8°0661	17°3305	2*	18°5587	5°2923			2310	25§	8°4994	22°2365	32§	18°7956	10°2114	69 308	9.5							
2253	4*	9°9647	17°8158	2*	20°4292	5°8488			2311	13§	9°0388	22°3740	18§	19°3307	10°3675									
2254	20§	10°8495	17°7645	24§	21°3194	5°8340	69 310	9.5	2312	8	12°2793	22°5339	9	22°5610	10°6545									
2255	28§	12°1532	17°4535	44§	22°6331	5°7335	69 313	9.1	2313	6	12°4288	22°7327	6	22°7034	10°8595									
2256	4*	3°6005	18°1557	4*	14°0596	5°9398			2314	6	13°9498	22°8090	4*	24°2162	10°9943									
2257	3*	5°1296	18°8974	2*	15°5639	6°7440			2315	10	4°0083	23°4085	20§	14°2641	11°2058									
2258	4*	6°1343	18°5576	2*	16°5717	6°4440			2316	6	7°8378	23°8151	6	18°0733	11°7636									
									2317	4	8°3909	23°6974	4*	18°6312	11°6693									



## ZONE + 69°.

R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3844. 1898, Feb. 4.				R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4158. 1898, Oct. 24.				Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3844. 1898, Feb. 4.				R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 3359. 1897, Feb. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.						

Nos. 2363, 2364. Plate 3359. Measured as one mass.

Nos. 2397, 2398. Plate 3359. Measured as one mass.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 5 <sup>h</sup> 10 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> —contd.								
Centre R.A. 5 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°						Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					
Plate 3844. 1898, Feb. 4.			Plate 3359. 1897, Feb. 17.						Plate 3824. 1898, Jan. 10.			Plate 3359. 1897, Feb. 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
2424	13	20°4498	23°4637	8	9°9878	11°3670	°	m.	2475	198	8°4768	18°8903	14	18°9267	6°8265	°	m.
2425	7	21°3037	23°7402	6	10°8517	11°6092			2476	368	8°6605	18°4912	288	19°1280	6°4353	69	329
2426	7†	22°4610	23°2932	4	11°9880	11°1102			2477	6	9°7603	18°2806	3*	20°2332	6°2647		
2427	10	22°5536	23°7263	9	12°0992	11°5418			2478	4	10°5869	18°0556					
2428	7	15°9002	24°8228	5	5°5012	12°9230			2479	3	10°7767	18°8680					
2429	228	16°9390	24°8350	208	6°5403	12°8933	69	318	2480	4	10°8297	18°5766					
2430	5*	17°5512	24°1289	4	7°1172	12°1569			2481	298	11°2618	18°0198	258	21°7441	6°0661	69	336
2431	4*	19°1863	24°0563	3*	8°7557	12°0223			2482	218	13°1213	18°9060	16	23°5690	7°0243		
2432	18	21°9695	24°4233	11	11°5473	12°2625	69	320	2483	4	4°4405	19°4920					
2433	19	22°5190	24°8941	15	12°1170	12°7086	69	324	2484	168	5°1902	19°2422	10	15°6297	7°0503		
2434	12	22°7479	24°2311	10*	12°3164	12°0348			2485	9	6°1930	19°4088	6	16°6258	7°2555		
2435	4*	22°8304	24°4250	4	12°4097	12°2255			2486	5	6°2007	19°4148	5*	16°6301	7°2633		
2436	5*	23°3996	24°1257	4	12°9595	11°8995			2487	4	7°9342	19°3990	3*	18°3688	7°3136		
2437	12	23°5497	24°3417	11	13°1242	12°1124			2488	7	7°9695	19°3409	4	18°4005	7°2566		
2438	7	16°4321	25°1053	5	6°0465	13°1843			2489	3	9°5752	19°4314					
2439	5	16°8552	25°5817						2490	4	11°5760	19°6009					
2440	18	21°3832	26°0045	12	11°0298	13°8668			2491	218	12°5104	19°8353	16	22°9205	7°9295		
	338	26°9282	22°5521				69	326	2492	6	12°6921	19°3921					
R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup>									R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°								
Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°						Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					
Plate 3824. 1898, Jan. 10.			Plate 3359. 1897, Feb. 17.						Plate 3824. 1898, Jan. 10.			Plate 3359. 1897, Feb. 17.					
2441	8	3°8241	14°6311	5	14°4423	2°3904	°	m.	2493	8	13°1154	19°6652	5	23°5305	7°7840		
2442	188	5°6791	14°8721	14	16°2885	2°7042			2494	5	5°3459	20°5935	3†	15°7294	8°4056		
2443	6	6°3237	14°9260						2495	4	6°2595	20°2498					
2444	608	9°3040	14°3979	538	19°9303	2°3716	68	393	2496	3	7°5600	20°6686					
2445	158	10°6306	14°2694	10	21°2603	2°2942			2497	268	10°3100	20°9560	16	20°6794	8°9633	69	332
2446	228	10°6471	14°4320	18	21°2692	2°4572	68	396	2498	4	10°4705	20°3990					
2447	4	11°4951	14°0445						2499	9	11°2362	20°2213	4	21°6309	8°2653		
2448	3†	12°5663	14°7776						2500	4	12°1565	20°5973					
2449	16	4°3842	15°7020	10	14°9615	3°4828			2501	10	12°7149	20°7041	8	23°0903	8°8048		
2450	4	4°4448	15°0230						2502	4	12°8203	20°3954					
2451	4	5°8130	15°1183						2503	568	6°7476	21°0909	518	17°1151	8°9568	69	327
2452	11	6°1629	15°6764	5	16°7386	3°5272			2504	14	6°7654	21°1593	9*	17°1292	9°0283		
2453	13	9°5892	15°1016	10	20°1854	3°0840	69	331	2505	18	7°2570	21°7891	12	17°5960	9°6755		
2454	388	10°6908	15°7176	338	21°2646	3°7440	69	334	2506	4	7°4813	21°2882					
2455	6	10°7516	15°4600	3	21°3324	3°4889			2507	208	8°0280	21°6945	16	18°3675	9°6129	69	328
2456	4	12°5002	15°3750						2508	218	8°7338	21°8664	16	20°0693	9°8118		
2457	5	13°5212	15°4490						2509	248	10°8649	21°0130	218	21°2301	9°0415	69	335
2458	6	3°4925	16°3197	3	14°0468	4°0650			2510	8	11°6159	21°1254	4	21°9752	9°1813		
2459	3	4°1759	16°7206						2511	4	5°2994	22°5688					
2460	6	6°3536	16°0929	3	16°9105	3°9465			2512	298	6°1016	22°3374	218	16°4195	10°1786	69	326
2461	4	8°3011	16°4950						2513	4	6°9052	22°2456					
2462	308	11°9505	16°4388	258	22°4947	4°5148	69	337	2514	3	7°0580	22°4464					
2463	16	13°3918	16°9485	9	23°9128	5°0827			2515	5	7°5351	22°5563					
2464	3	5°4580	17°6922						2516	3	10°7819	22°5301					
2465	6	5°5399	17°3687	3	16°0541	5°1924			2517	5	12°7519	22°9973					
2466	10	5°9645	17°7516	7	16°4598	5°5939			2518	208	12°9677	22°7372	14	23°2645	10°8462		
2467	3	7°1213	17°3153						2519	4	13°3627	22°0878					
2468	6	9°5833	17°0696	4	20°0993	5°0544			2520	4	13°8375	22°1385					
2469	9	10°7135	17°3184	5*	21°2269	5°3438			2521	11	5°7290	23°5223					
2470	5	13°2381	17°2103						2522	6	6°3864	23°0831	4	16°6731	10°9337		
2471	298	13°6996	17°4385	308	24°2024	5°5822	69	340	2523	6	6°7746	23°4075	3	17°0495	11°2748		
2472	3	5°4290	18°9808						2524	7	8°8841	23°7616	4	19°1451	11°7096		
2473	10	6°1590	18°9883	7	16°6070	6°8350			2525	318	9°4084	23°4657	228	19°6798	11°4336	69	330
2474	6	7°4794	18°4031	3†	17°9491	6°3029			2526	3†	9°8420	23°7554					
									2527	5	10°3246	23°4764	4	20°5915	11°4828		
									2528	328	12°2112	23°6889	288	22°4709	11°7677	69	338
									2529	4	12°6961	23°4876					
									2530	3†	13°1303	23°6477					
									2531	6†	4°5854	24°3384					
									2532	7	8°8376	24°4736	4	19°0682	12°4190		
									2533	5	9°9197	24°7643					



## ZONE + 69°.

R.A. 5 <sup>h</sup> 20 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 5 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 3824. 1898, Jan. 10.				Plate 3359. 1897, Feb. 17.				Plate 3824. 1898, Jan. 10.				Plate 3862. 1898, Feb. 18.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

Z O N E + 69°.

R.A. 5 <sup>h</sup> 40 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup>							R.A. 5 <sup>h</sup> 40 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre		R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre		R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		
Plate 2997. 1896, Feb. 4.		Plate 3862. 1898, Feb. 18.		Plate 3862. 1898, Feb. 18.			Plate 2997. 1896, Feb. 4.		Plate 3862. 1898, Feb. 18.		Plate 3862. 1898, Feb. 18.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
							E. D						
							No. Mag.						
2641	16	5.7001	14.6792	12	16.4988	2.5993	2700	18	10.4671	25.0553	14	20.8502	13.1577
2642	11	5.8996	14.9950	8	16.6845	2.9243	2701	13	10.7213	25.7837	10	21.0781	13.8935
2643	6	9.2001	14.8243										
2644	5	11.2294	14.9305										
2645	5	11.4308	14.3652										
2646	14	12.1524	14.4778	12	22.9513	2.6544							
2647	6	5.1202	15.5206	4*	15.8842	3.4162							
2648	4	6.3214	15.5658	2*	17.0858	3.5093							
2649	5	7.7546	15.1450	4*	17.5302	3.1468							
2650	15	10.4130	15.6189	13	21.1703	3.7236							
2651	13	12.2605	15.7913	8*	23.0099	3.9645							
2652	6	13.0905	15.4931										
2653	5	5.1341	16.9928	4*	15.8398	4.8874							
2654	4	8.1402	16.9773	2*	18.8475	4.9949							
2655	6†	9.6901	16.1176	5*	20.4279	4.1915							
2656	27§	9.7698	16.0008	29§	20.5104	4.0787							
2657	21§	12.7820	16.3963	27§	23.5080	4.5924							
2658	13	5.1394	17.6118	9	15.8199	5.5070							
2659	4	6.6000	17.9820	4†	17.2672	5.9365							
2660	4*	10.4107	17.2585	3*	21.1014	5.3585							
2661	6	4.4520	18.4354	4	15.1015	6.3049							
2662	5	9.8063	18.6341	4*	20.4428	6.7092							
2663	10	12.0403	18.1337	5*	22.6984	6.2980							
2664	37§	12.5199	18.7146	38§	23.1519	6.8961							
2665	6	13.1739	18.1843										
2666	9	4.2010	19.7493	7	14.8003	7.6057							
2667	10	4.3749	19.9788	8	14.9667	7.8431							
2668	5	6.0897	19.7643	3*	16.6839	7.6968							
2669	4*	7.1107	19.8120	4*	17.7052	7.7858							
2670	4	8.0704	19.1578	3*	18.6894	7.1679							
2671	4	9.3425	19.0045	3*	19.9675	7.0625							
2672	26§	11.7767	19.9640	29§	22.3624	8.1173							
2673	23§	12.0413	19.9055	27§	22.6300	8.0689							
2674	9	3.6147	20.9182	7	14.1695	8.7503							
2675	4*	5.0792	20.6455	4	15.6396	8.5354							
2676	7	6.7900	20.1350	5	17.3715	8.0935							
2677	4*	7.6473	20.3103	3*	18.2199	8.3010							
2678	5	7.7085	20.7543	4	18.2623	8.7453							
2679	5	9.1492	20.0843	4	19.7308	8.1337							
2680	4	9.3165	20.3979	3*	19.8877	8.4555							
2681	6	12.8952	20.8878	4*	23.4431	9.0857							
2682	7	4.5025	21.7186	7	15.0233	9.5857							
2683	10	5.9060	21.1053	6	16.4495	9.0260							
2684	68§	10.9180	21.0671	63§	21.4600	9.1889							
2685	21	3.9725	22.7823	16§	14.4517	10.6261							
2686	4*	4.0691	22.8065	4*	14.5442	10.6566							
2687	36§	4.4000	22.7556	20§	14.8815	10.6190							
2688	9	4.4858	22.6433	7	14.9700	10.5062							
2689	5*	5.6844	22.8969	4	16.1594	10.8073							
2690	5*	5.7866	22.0050	4*	16.2950	9.9194							
2691	4*	7.5014	22.5283	4	17.9905	10.5130							
2692	5	13.0939	22.8467	3*	23.5621	11.0539							
2693	3*	8.4228	23.3975	4*	18.8716	11.4155							
2694	21	8.4385	23.4127	17	18.8899	11.4313							
2695	5	11.3864	23.9611	6	21.8143	12.0966							
2696	27§	11.9660	23.6848	25§	22.4040	11.8442							
2697	4*	13.5529	24.8475	3*	23.9449	12.0681							
2698	10	13.9444	24.2958	7	24.3583	12.5239							
2699	8*	7.6698	25.6055	6	18.0348	13.5940							

No. 2723. Plate 669. The 6<sup>min.</sup> image falls on a *résseau* line and has therefore not been measured. The diameter given is that of the 3<sup>min.</sup> image.

<sup>1</sup> *réseau* interval represents very nearly  $5' = 55^{\text{s}}.8$  of R.A. at Dec.  $+69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+70^{\circ}$ .



## ZONE + 69°.

R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.										
Centre R.A. 5 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						
Plate 2997. 1896, Feb. 4.				Plate 669. 1892, Dec. 5.				Plate 2975. 1896, Jan. 15.				Plate 669. 1892, Dec. 5.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
2754	5	21°71'75	23°59'08	5	11°32'29	11°34'06	°	m.	2806	80§	12°50'29	21°25'08	74§	22°94'60	9°35'18	69° 373	6.8	
2755	37§	23°76'06	23°00'08	29§	13°34'12	10°67'04	69 364	9.3	2807	13	12°87'09	21°40'94	9	23°30'33	9°52'70			
2756	4*	18°49'43	24°33'41	4	8°13'17	12°20'94			2808	17	13°34'23	21°24'33	15	23°78'22	9°38'00			
2757	4	20°02'18	24°22'22	6	9°6'54	12°03'78			2809	3	5°37'43	22°57'62	4†	15°76'85	10°37'73			
2758	3*	21°81'42	24°68'00	5	11°46'09	12°42'67			2810	38§	6°34'10	22°65'75	27§	16°72'99	10°49'85	69 367	9.3	
2759				7	13°38'18	12°74'85			2811	13	7°19'62	22°74'56	9	17°57'78	10°62'42			
2760	5	15°80'63	25°61'45	5	5°49'93	13°59'97			2812	8	9°41'16	22°24'86	6	19°81'23	10°22'06			
2761	3*	18°73'79	25°00'91	4	8°40'14	12°87'78			2813	10	10°87'01	22°38'57	8	21°26'23	10°41'86			
2762				4	9°33'23	13°66'92			2814	5	11°74'72	22°90'48	5	22°11'78	10°97'50			
2763				5	11°03'80	13°90'71			2815	32§	12°16'30	22°34'17	25§	22°55'76	10°43'09	69 372	9.2	
									2816	6	13°93'70	22°07'25	4*	24°33'98	10°23'39			
	33	24°98'18	24°57'78				69 366	9.3	2817	9	4°24'97	23°85'90	9	14°58'69	11°61'38			
R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup>								R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup>										
Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°						
Plate 2975. 1896, Jan. 15.				Plate 669. 1892, Dec. 5.				Plate 2975. 1896, Jan. 15.				Plate 4196. 1898, Dec. 15.						
2764	6	9°91'58	13°99'83	6*	20°66'48	1°99'86	°	m.	2820	4	9°97'23	23°70'23	4	20°30'98	11°69'73			
2765	8	6°15'00	14°62'92	7	16°87'89	2°47'10			2821	5	12°02'08	23°96'23	4*	22°34'33	12°04'06			
2766	6	6°48'61	14°66'43	6*	17°21'04	2°52'18			2822	33§	4°31'20	24°44'40	21§	14°62'66	12°19'54	69 366	9.3	
2767	8	7°05'62	14°67'25	7	17°77'98	2°54'86			2823	5	7°27'71	24°67'93	6	17°57'63	12°55'86			
2768	4	8°31'12	14°40'08						2824	17	9°76'33	24°08'81	14	20°08'50	12°07'45			
2769	14	9°22'91	14°95'20	10	19°93'95	2°92'11			2825	4*	10°22'58	24°47'27	4†	20°53'24	12°47'41			
2770	26§	12°95'21	14°49'78	27	23°67'70	2°62'57	69 374	9.3	2826	8	10°25'13	24°82'91	8	20°54'12	12°83'33			
2771	11	12°94'85	14°14'69	7*	23°68'98	2°27'36			2827	36§	11°10'51	24°95'78	27§	21°39'15	12°99'58	69 370	9.5	
2772	13	9°44'20	15°03'85	11	20°14'65	3°01'65			2828	14	12°89'25	24°82'90	11	13°18'07	12°94'50			
2773	13	12°14'94	15°35'47	10	22°83'85	3°44'68			2829	11	13°14'96	24°90'11	8	23°43'35	13°02'68			
2774	5	12°95'60	15°73'60						2830				5	17°41'17	13°71'58			
2775	33§	13°65'03	15°42'73	51§	24°33'66	3°58'55	69 375	9.1	2831				4†	18°62'13	13°00'31			
2776	4†	13°93'61	15°28'73						2832	7	10°59'71	25°64'79	8	20°85'09	13°66'73			
2777	13	4°45'48	16°13'11	10	15°12'05	3°90'04			2833	7	11°15'95	25°90'71	7	21°40'32	13°94'86			
2778	6	6°02'18	16°67'63	6	16°66'32	4°51'03			2834	7	13°38'99	25°19'04	8	23°66'20	13°32'65			
2779	8	6°88'59	16°79'73	8	17°52'24	4°66'59				55§	8°17'02	26°18'72				70 394	7.7	
2780	6	7°53'42	16°09'48	5†	18°19'54	3°99'28			R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup>									
2781	12	7°78'07	16°23'54	9	18°43'73	4°14'60			Centre	R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					
2782	35§	10°78'50	16°41'37	38§	21°43'14	4°44'68	69 369	8.8		Plate 2975. 1896, Jan. 15.			Plate 4196. 1898, Dec. 15.					
2783	19§	6°51'58	17°77'77	14	17°10'98	5°63'32			2835	30§	16°07'74	14°48'74	38§	5°30'17	2°64'52	69° 378	9.4	
2784	4	7°56'35	17°00'18	4*	18°18'76	4°89'82			2836	6	14°57'95	15°63'67	4*	3°85'48	3°85'68			
2785	4	8°95'53	17°26'06	5*	19°56'65	5°21'51			2837	8	15°63'17	15°08'65	6*	4°88'39	3°26'25			
2786	6	10°62'17	17°62'22	6	21°21'63	5°64'79			2838	21§	15°69'47	15°07'35	15	4°94'93	3°24'58	69 377	9.5	
2787	4†	6°58'46	18°58'54	4*	17°14'26	6°44'31			2839	5	19°74'84	15°81'85	5	9°02'93	3°80'75			
2788	6	11°09'60	18°99'43	5*	21°63'28	7°04'00			2840	23§	20°07'55	15°48'10	24§	9°33'95	3°45'92			
2789	124§	11°76'68	18°26'26	119§	22°33'81	6°33'59	69 371	4.7	2841	8	20°92'38	15°85'94	6	10°20'28	3°79'65			
2790	6	12°56'03	18°04'63	4	23°13'39	6°15'58			2842	5	21°37'07	15°60'87	4	10°63'43	3°52'75			
2791	13	8°50'44	19°31'94	10	19°03'10	7°25'44			2843	4	18°83'33	16°76'06	4	8°16'20	4°78'97			
2792	6	10°23'64	19°74'21	5*	20°74'31	7°75'07			2844	7	20°09'18	16°19'68	5	9°38'88	4°17'24			
2793	6	10°42'40	19°52'45	6*	20°94'08	7°54'18			2845	4	20°27'34	16°36'64	4	9°57'80	4°33'41			
2794	4†	5°57'21	20°12'66	4	16°06'47	7°93'62			2846	9	21°17'32	16°12'70	9	10°46'30	4°05'42			
2795	9	7°49'83	20°10'37	5*	17°99'23	7°99'50			2847	3	22°09'60	16°25'17	2†	11°39'08	4°13'76			
2796	8	7°50'37	20°99'38	6	17°96'13	8°88'58			2848	25§	14°70'67	16°94'52	33§	4°04'19	5°15'98	69 376	9.3	
2797	26§	9°74'19	20°02'88	24§	20°23'58	8°01'68			2849	2	17°09'27	17°22'55	2*	6°43'37	5°33'20			
2798	62§	9°85'82	20°09'15	54§	20°35'08	8°08'54	69 368	7.0	2850	8	18°69'52	17°77'51	8	8°06'40	5°81'28			
2799				6	20°45'95	8°74'32			2851	4	20°28'46	17°49'60	3*	9°63'81	5°46'03			
2800	26§	3°69'32	21°56'12	21§	14°12'99	9°29'30	69 365	9.5	2852	5	20°95'63	17°39'64	4	10°30'48	5°33'17			
2801	18	4°76'43	21°34'90	11	15°20'61	9°12'71			2853	13	21°64'06	17°90'68	13	11°00'98	5°81'01			
2802	3†	7°51'33	21°38'41	4	17°95'48	9°27'53			2854	39§	21°73'36	17°43'48	36§	11°08'25	5°33'58	69 380	9.3	
2803	4*	9°45'04	21°94'12	4*	19°86'38	9°91'65			2855	9	22°75'16	17°77'79	8	12°11'48	5°63'31			
2804	3	11°13'07	21°76'37	4†	21°54'86	9°80'54			2856	7	23°69'35	17°41'45	5	13°04'05	5°22'53			
2805	6	11°96'35	21°65'68	7	22°38'61	9°73'49												

## ZONE + 69°.

R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup> —contd.															
Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2975. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4196. 1898, Dec. 15.				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4196. 1898, Dec. 15.											
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.								
R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup> —contd.															
Centre R.A. 6 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2975. 1896, Jan. 15.								Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.								R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4196. 1898, Dec. 15.							
2857	8	23°7223	17°3762	8	13°0687	5°1863	°	m.	2910	9	12°9092	16°0505	5†	23°6267	4°2692	°	m.						
2858	7	18°7144	18°0929	6	8°0978	6°1300			2911	19*	5°6188	18°0349	20§	16°2674	5°9780								
2859	29§	19°6743	18°1515	30§	9°0582	6°1449	69 379	9°5	2912	11	7°6586	17°4432	9	18°3279	5°4625								
2860	20§	20°9915	18°8888	20§	10°4057	6°8200			2913	6	8°2439	17°7056	4	18°9021	5°7458								
2861	7	15°4329	19°2204	5	4°8698	7°4025			2914	11	8°5544	17°4921	10	19°2177	5°5447								
2862	3	17°7422	19°8912						2915	8	10°4431	17°1626	6*	21°1224	5°2863								
2863	4	17°9775	19°1726	3	7°4093	7°2413			2916	9	12°7727	17°6982	6*	23°4265	5°9088								
2864	23§	18°3170	19°6473	20§	7°7693	7°6951	69 382	9°3	2917	7	3°5205	18°4139	5	14°1540	6°2784								
2865	29§	21°9605	19°1670	26§	11°3854	7°0563			2918	27§	5°8093	18°7433	25§	16°4286	6°6936	69 384	9°4						
2866	21§	22°8518	19°8867	15§	12°3098	7°7350			2919	16	10°9750	18°5244	20	21°5998	6°6675								
2867	4	24°0970	19°9302	6	13°5536	7°7224			2920	7	12°3445	18°4874	5*	22°9714	6°6848								
2868	8	24°4385	19°5018	8	13°8791	7°2799			2921	10	4°2889	19°8821	8	14°8679	7°7758								
2869	6	14°7572	20°5400	4	4°2551	8°7504			2922	5	4°7818	19°1820	4	15°3890	7°0938								
2870	2	15°0867	20°5470	2*	4°5813	8°7388			2923	5	7°1093	19°4210	4*	17°7034	7°4198								
2871	15	15°3225	20°2370	18	4°8034	8°4199			2924	60§	9°7383	19°1898	51§	20°3395	7°2872	69 385	8°0						
2872	20	18°8614	19°9855	19§	8°3269	8°0093			2925	8	3°6249	21°8635	8	14°1288	9°7298								
2873	3*	22°5345	20°6398	4	12°0273	8°5015			2926	9	4°9678	21°7083	9	15°4757	9°6248								
2874	3*	23°3160	20°5868	2	12°8006	8°4141			2927	18	5°1584	21°3570	19	15°6787	9°2827								
2875				2	13°8097	8°5857			2928	7	8°5110	21°1108	6	19°0403	9°1616								
2876	8	14°7032	21°6292	8	4°2477	9°8389			2929	13	9°1544	21°3876	13	19°6731	9°4611								
2877	2	21°0625	21°4460	3	10°5895	9°3731			2930	4*	9°1629	21°0280	4	19°6940	9°1000								
2878	22	21°7414	21°4866	21§	11°2713	9°3842	69 381	9°5	2931	8	9°5631	21°1715	5	20°0900	9°2615								
2879	7	22°1848	21°8922	9	11°7308	9°7687			2932	23§	9°7460	21°5855	23§	20°2583	9°6833								
2880				3	12°4092	9°4274			2933				4	15°5742	10°8762								
2881	4*	23°8164	22°1584	5	13°3756	9°9615			2934				4	17°1552	10°6711								
2882	17	18°8522	22°4054	14	8°4261	10°4313			2935	13	8°1654	22°3392	12	18°6482	10°3765								
2883	3	19°7239	22°1476	4	9°2845	10°1328			2936	9	9°3620	22°8682	11	19°8246	10°9488								
2884	5	23°3892	23°1776	6	12°9928	10°9973			2937	6†	4°4945	23°7160	8	14°9281	11°6158								
2885	4*	24°2358	22°2476	5	13°7975	10°0245			2938	8	6°7111	23°2865	9	17°1591	11°2672								
2886	7	16°9848	23°7888	8	6°6215	11°8947			2939	5	6°7185	23°2435	6	17°1690	11°2231								
2887	4	17°5835	23°3281	5	7°1988	11°4050			2940	4*	9°1388	23°0049	3*	19°5960	11°0773								
2888	4	21°2704	23°8498	4	10°9057	11°7651			2941	16	9°6252	23°7632	13	20°0531	11°8539								
2889	4*	23°9843	23°3528	5	13°5951	11°1475			2942	13	13°9297	23°7304	15	24°3564	11°9830								
2890	6	17°1736	24°1904	7	6°8268	12°2865			2943				5	14°1560	12°9150								
2891	8	17°8877	24°4738	8	7°5546	12°5428			2944	19	3°7654	24°3379	19	14°1769	12°2080								
2892	2*	18°1662	24°3855	3*	7°8288	12°4373			2945	12	11°8546	24°5454	12	22°2505	12°7188								
2893				5	11°4374	12°2424			2946				5	18°5577	13°7091								
2894	5†	21°8023	25°0599	5	11°4903	12°9500			2947	20	8°8903	25°2771	18	19°2617	13°3406								
2895				3†	13°2253	12°2239			2948				3	20°3963	13°5690								
2896	10	24°0013	24°4877	10	13°6652	12°2802	69 383	9°5															
2897	76§	23°0725	26°0518	60§	12°8008	13°8835	70 402	8°7		80§	2°4515	26°0650				70 402	8°7						
2898	18	26°8858	18°3098																				
R.A. 6 <sup>h</sup> 20 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup>								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup>															
Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4196. 1898, Dec. 15.				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3022. 1896, Feb. 25.											
2899	10	6°4549	13°9905	6*	17°2530	1°9738	°	m.	2949	14*	22°1295	14°0319	11	11°3307	1°9468	°	m.						
2900	7	3°8774	14°3498	4*	14°6621	2°2366			2950	6	18°0785	14°8635	4*	7°3168	2°9445								
2901	8	8°1870	14°8535	5	18°9527	2°8951			2951	6	18°1973	14°2344	7	7°4124	2°3101								
2902	5	6°8182	15°3145	4	17°5694	3°3038			2952	8	18°3103	14°6541	6	7°5413	2°7238								
2903	23§	11°0437	15°0248	24	21°8016	3°1737			2953	3*	19°5836	14°5994	4	8°8099	2°6196								
2904	4	11°7174	15°6797						2954	15	20°6378	14°0258	13	9°8413	2°0048								
2905	9	4°3793	16°1339	6*	15°0970	4°0328			2955	4*	20°9180	14°5596	4*	10°1417	2°5260								
2906	8	4°7497	16°6127	5	15°4497	4°5253			2956	13	21°7106	15°0023	9	10°9528	2°9333								
2907	10	5°6275	16°4898	8	16°3317	4°4330			2957	6	22°1158	14°7409	4	11°3466	2°6548								
2908				8	17°7170	4°2092			2958	13	23°8410	15°0763	11	13°0863	2°9222								
2909	13	12°4959	16°0188	13	23°2143	4°2210			2959	15	15°0035	15°7107	19	4°2791	3°9199								
									2960	3*	16°6094	15°4479	4*	5°8753	3°5880								

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3022. 1896, Feb. 25.				Centre R.A. 6 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2976. 1896, Jan. 15.				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3022. 1896, Feb. 25.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 40 <sup>m</sup> to 6 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 1785. 1894, Feb. 12.				Plate 3022. 1896, Feb. 25.				Plate 1785. 1894, Feb. 12.				Plate 3022. 1896, Feb. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.															

Plates 1785, 1787. No. 3144. The 6<sup>min.</sup> image of this star falls on the 20<sup>sec.</sup> image of No. 3145 and is not measurable on either plate. The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 6 <sup>h</sup> 50 <sup>m</sup> to 7 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 10 <sup>m</sup> —contd.										
Centre R.A. 6 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°							
Plate 1785. 1894, Feb. 12.			Plate 1787. 1894, Feb. 12.						Plate 1777. 1894, Feb. 8.			Plate 1787. 1894, Feb. 12.							
No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.			
							No.	Mag.								No.	Mag.		
3183	70§	14.8426	23.3184	66§	4.4794	11.5149	69°	398	6.8	3235	10	12.7095	24.2260	13	23.1475	12.3903	69°	415	9.5
3184	4*	23.5670	23.4402	8	13.2010	11.2721				3236	10	12.9304	24.1532	12	23.3707	12.3248			
3185	11	14.3790	24.9678	13	4.0843	13.1854	69	397	9.5	3237	6*	4.0998	25.6722	8	14.4858	13.4891			
3186	9	14.5662	24.8094	13	4.2645	13.0173				3238				6	16.7773	13.0535			
3187	2*	18.7819	25.0430	6	8.4838	13.0752				3239	18	7.9094	25.0535	20	18.3171	13.0198			
3188				3	10.0388	13.6226				3240	6	8.2713	25.3269	7	18.6673	13.3106			
3189	9*	22.9472	25.3976	15	12.6604	13.2541				3241	21	9.6450	25.1697	21§	20.0481	13.2064			
3190				5	13.7078	13.2837				3242	8*	10.6418	25.8027	10	21.0168	13.8816	70	443	9.5
3191				7	13.7750	13.6827													
3192	11	23.5518	26.1255	20	13.2949	13.9558	70	437	9.5										
										38§		3.1664	14.7838				69	405	8.3
										43§		2.1249	20.3863				69	404	8.0
R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 10 <sup>m</sup>									R.A. 7 <sup>h</sup> 10 <sup>m</sup> to 7 <sup>h</sup> 20 <sup>m</sup>										
Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°							
Plate 1777. 1894, Feb. 8.			Plate 1787. 1894, Feb. 12.						Plate 1777. 1894, Feb. 8.			Plate 3012. 1896, Feb. 11.							
3193	10	11.8737	13.9700	6*	22.7286	2.1034	°	m.	3243	6	21.1237	14.4002	6	10.5014	2.3046	°	m.		
3194	7	6.5679	14.4865	5	17.4032	2.4055			3244	4*	24.1125	14.9460	5	13.5064	2.7264				
3195	4	6.6490	14.2310						3245	6*	24.5486	15.1975	6	13.9548	2.9605				
3196	7	4.8789	15.9282	3*	15.6572	3.7773			3246	4	15.7271	15.3693	4*	5.1509	3.4892				
3197	7	5.8933	15.4487	4*	16.6887	3.3405			3247	17	16.3719	15.0345	17	5.7766	3.1275				
3198	40§	6.0423	15.8861	42§	16.8211	3.7853	69	410	8.8	3248	10	20.8781	15.9715	11	10.3203	3.8828			
3199	6	7.5225	15.8424	4*	18.3048	3.8002			3249	4*	23.0125	15.9190	4	12.4476	3.7430				
3200	2	6.8942	16.5800	2*	17.6410	4.5134			3250	3	14.4479	16.2194	2*	3.9049	4.3863				
3201	4	10.2798	16.8680	3*	21.0182	4.9393			3251	2	14.5255	16.3347							
3202	4	11.8797	16.2548						3252	3	15.5841	16.0740	3*	5.0388	4.1982				
3203	9	12.4417	16.7468	10	23.1839	4.9023			3253	4†	22.7941	17.1469	7	12.2792	4.9788				
3204	18§	13.4278	16.2647	15	24.1908	4.4598			3254	3	17.8337	17.8668	4	7.3533	5.8961				
3205	3	4.1213	17.5193						3255	4	18.6564	17.9535	4	8.1797	5.9533				
3206	7	4.2007	17.6492	6	14.9088	5.4731			3256	13	21.7948	17.4808	14	11.2939	5.3550				
3207	3*	5.6782	17.7059	2*	16.3810	5.5916			3257	3*	22.0455	17.4540	3	11.5418	5.3164				
3208	25§	6.8726	17.0903	27	17.6027	5.0235			3258	4	15.1054	18.2820	4	4.6446	6.4244				
3209	25§	5.7097	18.3126	26§	16.3903	6.1955	69	409	9.3	3259	4	15.2358	17.9700	5	4.7625	6.1070			
3210	3	7.0158	18.7511	3*	17.6796	6.6844			3260	20§	15.7639	18.4155	25§	5.3075	6.5294	69	418	9.4	
3211	5	8.5573	18.2624	5	19.2373	6.2621			3261	3	20.2208	18.6200	4	9.7689	6.5561				
3212	24§	13.0827	18.2294	29	23.7633	6.4123	69	416	9.2	3262	25§	20.8732	18.1685	24§	10.4017	6.0782	69	423	9.5
3213	27§	4.2029	19.3359	27§	14.8429	7.1596	69	406	9.3	3263	4	17.6463	19.9500	6	7.2499	7.9888			
3214	4	4.6742	19.7019	4	15.2982	7.5437			3264	17	19.2319	19.3366	19	8.8085	7.3139				
3215	9	6.8646	19.7854	10	17.4861	7.7144			3265	7	19.6281	19.4015	9	9.2079	7.3602				
3216	30§	7.2612	19.1725	36§	17.9070	7.1192	69	411	9.4	3266	28	22.2558	20.0655	24§	11.8603	7.9179	69	424	9.5
3217	21§	3.7680	20.9653	20	14.3428	8.7681			3267	4*	23.7363	19.8426	8	13.3290	7.6345				
3218	21	5.1620	20.6192	20	15.7496	8.4791	69	407	9.5	3268				9	13.5764	7.2513			
3219	4	7.8076	20.3600	4	18.4045	8.3255			3269	7	17.4849	20.7866	8	7.1217	8.8290				
3220	5	11.9423	20.7746	3*	22.5220	8.9055			3270	3*	20.5648	20.7077	6	10.1945	8.6297				
3221	8	3.7298	21.9601	9	14.2667	9.7584			3271	15	21.2319	21.0490	14	10.8755	8.9438				
3222	8	5.0842	21.7461	9	15.6276	9.6036			3272				3†	13.7336	8.9864				
3223	16	5.4151	21.4723	18	15.9695	9.3425	69	408	9.5	3273	4*	15.4726	21.5950	4	5.1430	9.7181			
3224	3*	5.6043	21.8355	4	16.1452	9.7121			3274	7	17.7059	21.4056	7	7.3689	9.4393				
3225	4†	6.3615	21.0704	4	16.9302	8.9775			3275	43§	19.1994	21.7734	44§	8.8766	9.7479	69	420	8.5	
3226	4	7.1130	21.6289	5	17.6611	9.5684			3276	3	18.8133	22.0344	4	8.4997	10.0190				
3227	7†	8.2271	21.4380	7	18.7800	9.4237			3277	15	19.7405	22.2057	14	9.4301	10.1591				
3228	14	12.3437	21.0920	14	22.9092	9.2425			3278	56§	19.8121	22.1593	56§	9.5014	10.1095	69	422	7.5	
3229	16	7.3860	22.4990	18	17.9005	10.4495	69	412	9.5	3279	9	20.9646	22.5834	13	10.6714	10.4859			
3230	19	7.4277	22.1130	19	17.9565	10.0635			3280	4†	23.2335	22.8502	10	12.9503	10.6653				
3231	9	9.7928	22.6223	9	20.2969	10.6695			3281	4†	17.8642	23.0219	6	7.5919	11.0470				
3232	22	12.6263	22.5392	28	23.1335	10.6980	69	414	9.5	3282	29	19.2574	23.8509	26§	9.0178	11.8215	69	421	9.4
3233	14	7.1960	23.2239	16	17.6792	11.1650			3283				4	11.7481	11.5663				
3234	13	5.1933	24.6559	19	15.6190	12.5169			3284	6*	14.6624	24.0300	6	4.4313	12.1836				
									3285	28§	14.8722	24.1991	24§	4.6506	12.3438	69	417	8.5	

## ZONE + 69°.

R.A. 7 <sup>h</sup> 10 <sup>m</sup> to 7 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 7 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 1777. 1894, Feb. 8.				Plate 3012. 1896, Feb. 11.				Plate 2471. 1895, March 22.				Plate 1786. 1894, Feb. 12.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
3286				6	10°3754	13°7180	° m.	3331	7	23°5493	14°3355	5	12°9763	2°1928	° m.
3287				4	13°8894	13°3070		3332	9	14°5029	15°1938	11	3°9735	3°4112	
	37§	24°8654	16°6200				69 425 9°0	3333	4	20°1252	15°6330	3†	9°6086	3°6246	
								3334	30§	24°2224	15°6713	34§	13°7036	3°4981	69 439 8°5
								3335	6	14°8100	16°0739	5	4°3138	4°2785	
								3336	12	15°2349	16°9223	17	4°7720	5°1098	
								3337	4	16°4413	16°0460	4	5°9452	4°1862	
								3338	6	17°6032	16°3693	5	7°1168	4°4602	
								3339	3	18°0440	16°1545				
								3340	6	23°7292	16°3722	6	13°2372	4°2199	
								3341	17§	17°6948	17°0830	25	7°2370	5°1713	69 437 9°5
								3342	3	18°9058	17°3609	3*	8°4581	5°3999	
								3343	3	16°3826	18°9733				
								3344	9	17°2390	18°1520	10	6°8260	6°2578	
								3345	6	17°7138	18°9510	6*	7°3318	7°0365	
								3346	48§	21°0000	18°7958	61§	10°6089	6°7497	69 438 7°2
								3347	16§	14°3257	19°8415	21§	3°9833	8°0635	69 435 9°0
								3348	4	17°3562	19°3323	3*	6°9873	7°4308	
								3349	4	19°4270	19°9885	4*	9°0824	8°0021	
								3350	6	14°9870	20°3577	6	4°6635	8°5498	
								3351	40§	16°8586	20°7940	46§	6°5529	8°9139	69 436 6°8
								3352	4	18°0990	20°2046	4	7°7669	8°2739	
								3353	5	15°2702	21°3363	5	4°9873	9°5188	
								3354	4	15°8448	21°7922	3	5°5799	9°9493	
								3355	3	16°4887	21°8818				
								3356	4	16°9537	21°6812	3*	6°6805	9°7951	
								3357	4	15°6789	22°2779	4	5°4312	10°4437	
								3358	3	16°5458	22°1188	3	6°2912	10°2492	
								3359	5	18°0700	22°1276	5	7°8154	10°1959	
								3360	4	18°0800	23°7551	4	7°8897	11°8227	
								3361	31§	16°5715	24°9480	38§	6°4313	13°0753	70 471 7°8
								3362	11	15°2344	25°4082	15	5°1115	13°5915	
								3363	14	19°3655	25°9368	19	9°2603	13°9513	70 472 9°5
								3364	10	22°3007	25°4469	17	12°1749	13°3409	
								33§	24°8878	16°9201				69 440 8°9	
R.A. 7 <sup>h</sup> 20 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup>								R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 70°			
Plate 2471. 1895, March 22.				Plate 3012. 1896, Feb. 11.				Plate 1856. 1894, March 8.				Plate 1786. 1894, Feb. 12.			
3288	17§	9°8735	14°6653	32§	20°6947	2°7258	69 431 9°5	3365	22§	4°3930	14°4253	9	15°2350	2°2865	° m.
3289	6	11°0862	14°5248	8	21°9123	2°6392		3366	52§	10°8652	14°4400	53§	21°7025	2°5635	69 448 8°5
3290	6	10°6080	15°5116	9	21°3932	3°6046		3367	17	12°8951	14°4275				
3291	20§	3°5824	16°5807	33	14°3288	4°3712	69 425 9°0	3368	9	9°5239	15°1268				
3292	11	5°8210	16°3938	17	16°5725	4°2800		3369	38§	10°1392	15°9038	28	20°9146	3°9958	69 445 8°6
3293	4	6°0760	16°3230	8	16°8316	4°2193		3370	4	10°3002	15°5579				
3294	6	6°2702	16°8131	7	17°0020	4°7160		3371	19	3°3400	16°9253	7	14°0805	4°7403	
3295	3*	7°9267	16°8464	5*	18°6540	4°8252		3372	50§	3°6743	16°8904	36§	14°4173	4°7203	69 440 8°9
3296	2*	10°0359	16°4996	4*	20°7839	4°5647		3373	7	7°1267	16°8212				
3297	8	9°1968	18°6501	14	19°8481	6°6768		3374	6	10°0433	16°0674				
3298	5	12°9258	18°7684	7*	23°5703	6°9561		3375	8	10°7137	16°9329				
3299	4	4°4184	19°5874	8	15°0305	7°4134		3376	24§	12°3359	16°4665	9	23°0924	4°6486	
3300	17	5°2207	19°7122	20§	15°8311	7°5672		3377	44§	13°7612	16°5049	41	24°5135	4°7455	69 450 8°0
3301	14	5°7139	19°3931	18§	16°3369	7°2725	69 427 9°5	3378	8	3°5399	17°6741	3†	14°2486	5°4953	
3302	7	7°4847	19°3705	12	18°1094	7°3273		3379	34§	4°2760	17°3294	21	15°0018	5°1820	69 442 9°2
3303	2*	7°5183	19°3882	4*	18°1392	7°3464		3380	4	4°7388	17°6363				
3304	4	12°1935	19°7285	5*	22°7983	7°8842		3381	7	6°8488	17°4356				
3305	4	13°1333	19°6883	6*	23°7385	7°8864									
3306	2*	4°0680	20°0157	5	14°6657	7°8250									
3307	3	5°2728	20°6328	6	15°8422	8°4885									
3308	23§	12°7366	20°5171	41§	23°3097	8°6952	69 432 7°9								
3309	8	12°3950	21°5118	13	22°9228	9°6734									
3310	8	13°1049	21°3956	12	23°6386	9°5880									
3311	6	13°3586	21°7846	8	23°8724	9°9865									
3312	4*	3°8401	22°7022	10	14°3253	10°4972									
3313	3*	6°8946	22°1457	6	17°4015	10°0738									
3314	19	7°6232	22°6865	24§	18°1071	10°6452	69 429 9°4								
3315	4	10°2110	22°1865	5†	20°7093	10°2566									
3316	4	11°1186	22°8030	7	21°5912	10°9123									
3317	20§	13°2097	22°2492	38§	23°7063	10°4452	69 433 8°8								
3318	4	7°5003	23°3616	9	17°9533	11°3147									
3319	23§	8°6777	23°6610	35§	19°1165	11°6612	69 430 9°1								
3320	3*	12°9670	23°6605	6	23°4009	11°8458									
3321	20	13°4493	23°7504	25	23°8790	11°9556	69 434 9°0								
3322	6*	4°8880	24°5255	12	15°2922	12°3605									
3323	13	6°0943	24°9948	20§	16°4793	12°8854	69 428 9°4								
3324	5	7°5701	24°0460	9	17°9945	11°9988									
3325	6*	5°3925	25°1282	13	15°7724	12°9915									
3326	4*	9°0684	25°3984	8	19°4319	13°4165									
3327	3*	11°5185	25°5340	7	21°8740	13°6566									
R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 40 <sup>m</sup>								R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 69°				R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 70°			
Plate 2471. 1895, March 22.				Plate 1786. 1894, Feb. 12.				Plate 2471. 1895, March 22.				Plate 1786. 1894, Feb. 12.			
3328	4	14°2753	14°8788				° m.	3365	22§	4°3930	14°4253	9	15°2350	2°2865	° m.
3329	3	18°1652	14°6892					3366	52§</						



## ZONE + 69°.

R.A. 7 <sup>h</sup> 40 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1856. 1894, March 8.				Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1786. 1894, Feb. 12.				Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1856. 1894, March 8.				Centre R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 816. 1893, March 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
3382	22	9°5920	17°1798	8	20°3168	5°2513	° m.	3433	19	20°9063	18°7379	15	10°2249	6°7360	° m.
3383	8	13°7050	17°9459					3434	4*	21°6080	18°7246	3	10°9263	6°6891	
3384	6	13°9773	17°7275					3435	26§	14°8568	19°9538	34§	4°2434	8°2333	69 451 8°9
3385	6	7°1633*	18°1914					3436	25§	16°0165	19°3084	27§	5°3718	7°5343	
3386	4	7°7187	18°8614					3437	7	18°4560	19°1209	4	7°7981	7°2305	
3387	6	9°0776	18°8471					3438	8	20°1007	19°7219	4	9°4682	7°7565	
3388	4	13°5772	18°7513					3439	19	22°5350	19°2638	15	11°8774	7°1868	
3389	4	6°9656	19°8838					3440	12	19°4542	20°0023	9	8°8358	8°0642	
3390	21§	12°0240	19°8177	10	22°6417	7°9848	69 449 9°5	3441	16	14°8988	21°1267	12	4°3396	9°4008	
3391	23§	12°1714	19°8974	13	22°7852	8°0705		3442	38§	16°6009	21°7230	36§	6°0649	9°9206	69 452 8°9
3392	5	13°7531	19°2730					3443	8	19°4308	21°0980	6	8°8650	9°1610	
3393	36§	7°6738	20°8129	21	18°2521	8°8034	69 443 8°8	3444	16	20°7154	21°5260	10	10°1653	9°5300	
3394	5	10°4080	20°0530					3445	10	22°3126	21°9810	9	11°7816	9°9079	
3395	6	10°5304	20°8333					3446	48§	24°0912	21°7657	30§	13°5499	9°6115	69 454 9°3
3396	6	11°2767	20°6694					3447	8	15°7750	22°4873	4	5°2763	10°7204	
3397	6	12°7659	20°7211					3448	4	15°8227	22°5000	3*	5°3248	10°7296	
3398	29§	4°5334	21°4049	17	15°0918	9°2651		3449	11	16°0919	22°4759	9	5°5944	10°6955	
3399	26§	10°8720	21°7560	16	21°4115	9°8754	69 447 9°4	3450	32	23°2632	22°0988	20§	12°7377	9°9845	69 453 9°4
3400	18	13°0113	21°0568	9	23°5758	9°2644		3451	58§	24°3352	22°9213	40§	13°8488	10°7537	69 455 8°9
3401	26	3°8867	22°1534	11	14°4144	9°9853	69 441 9°5	3452	58§	24°4264	22°6331	41§	13°9257	10°4617	69 456 9°1
3402				6	15°5226	10°1584		3453	14	14°0327	23°7665	9	3°5972	12°0797	
3403	24	10°7504	23°4919	13	21°2196	11°6047	69 446 9°5	3454	3	17°2585	23°1928	3†	6°7907	11°3548	
3404	25	7°9502	24°5193	11	18°3791	12°5145	69 444 9°5	3455	5	18°0754	23°0619	4	7°6028	11°1857	
3405	7	10°8527	24°4340					3456	5*	22°4114	23°5784	6	11°9606	11°5005	
3406	10	11°0780	25°7525	4	21°4546	13°8754		3457	15	23°7775	23°4580	15	13°3155	11°3160	
3407	16	11°4685	25°1838	7	21°8677	13°3217		3458	23	15°9623	24°5028	19	5°5588	12°7255	
3408	9	12°7299	25°4610	4	23°1154	13°6506		3459	12	17°4381	24°7900	8	7°0457	12°9441	
3409	28§	13°8451	25°4035	17	24°2321	13°6402	70 488 9°5	3460	14	20°1671	24°5370	11	9°7608	12°5645	
3410	50	3°8789	26°0038	17	14°2509	13°8330	70 479 9°5	3461	4*	21°7045	24°2049	3	11°2771	12°1577	
	43§	2°9128	15°6985				69 439 8°5	3462	11	14°2426	25°2998	9	3°8774	13°6034	
								3463	19	16°4903	25°5376	18	6°1350	13°7346	
								3464	16	17°4704	25°2566	11	7°0995	13°4082	
								3465	4*	20°4656	25°0444	4	10°0739	13°0535	
									31	25°0395	19°0573				69 457 9°3
									132§	24°2845	26°3066				70 497 6°5
R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup>								R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup>							
Centre R.A. 7 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1856. 1894, March 8.				Centre R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 816. 1893, March 8.				Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2433. 1895, March 3.				Centre R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 816. 1893, March 8.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
3411	22	24°6749	13°9698	20	13°7683	1°7973	° m.	3466	5	4°0425	14°2238	4*	14°6594	2°1671	° m.
3412	20	15°4732	14°3326	10	4°5937	2°5915		3467	5	6°8501	14°5225				
3413	7	22°9022	14°2692					3468	15	7°3280	14°9482	10	17°9191	3°0068	
3414	15	24°6846	14°8094	13	13°8171	2°6353		3469	5	9°2720	14°8934	4*	19°8646	3°0169	
3415	3	17°2598	15°0636					3470	3*	3°9750	15°9242	2*	14°5333	3°8615	
3416	4	21°4614	15°8882					3471	6	11°6518	15°4589	2*	22°2245	3°6617	
3417	9	16°7555	16°3660	4	5°9700	4°5597		3472	31§	12°4805	15°5799	40§	23°0465	3°8129	69 461 8°4
3418	10	18°5117	16°3466	6*	7°7235	4°4591		3473	6	13°0035	15°4502				
3419	14	20°3845	16°4728	10	9°5999	4°4966		3474	2†	4°8647	16°8947	2*	15°3891	4°8609	
3420	5	21°3515	16°4956					3475	20	4°9790	16°3588	18	15°5243	4°3332	
3421	11	21°4071	16°9765	7	10°6447	4°9519		3476	7	5°3694	16°2744	5	15°9175	4°2628	
3422	25§	14°1293	17°1046	26§	3°3838	5°4215		3477	6	6°1017	16°8388	6	16°6263	4°8515	
3423	28§	15°0770	17°6105	33§	4°3535	5°8816		3478	21§	6°7773	16°7551	23	17°3045	4°7927	
3424	5	16°3571	17°3652	3*	5°6202	5°5794		3479	16	7°8984	16°6850	17	18°4286	4°7615	
3425	3	18°8625	17°7109					3480	12	9°4310	16°4576	14	19°9725	4°5849	
3426	12	20°1647	17°0280	10	9°4057	5°0598		3481	20	6°8048	17°4512	20	17°3099	5°4891	
3427	17	22°1980	17°4633	15	11°4568	5°4024		3482	3	9°9062	17°6381	3	20°4007	5°7846	
3428	4	22°9553	17°2085	3*	12°1990	5°1114		3483	4	10°5486	17°6590	4	21°0445	5°8273	
3429	5*	23°5226	17°0238	4	12°7585	4°9013									
3430	4*	23°6087	17°0394	4	12°8460	4°9166									
3431	5	17°4457	18°6027	4*	6°7646	6°7605									
3432	2	18°2775	18°1229												

No. 3404. B. D. 69°444. The declination given in the B. D. appears to be about 3' too small.

Nos. 3451, 3452, 3484. B. D. 69°455, 456, 457. The R.A. given in the B. D. appears to be 1<sup>m</sup>. too large.

1 réseau interval represents very nearly 5' = 55<sup>s</sup>.8 at Dec. + 69°, and 58<sup>s</sup>.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup> —contd.															
Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°									
Plate 2433. 1895, March 3.			Plate 816. 1893, March 8.			Plate 2433. 1895, March 3.			Plate 4203. 1898, Dec. 19.			Plate 1788. 1894, Feb. 12.			Plate 4203. 1898, Dec. 19.									
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.								No.								No.	Mag.
3484	20	3°9'167	18°9'250	9	14°37'18	6°86'09	69° 457	9'3	3533	6	17°67'25	20°78'55	7	7°11'58	8°8'130									
3485	4	9°6'503	18°7'404	4	20°10'69	6°87'72			3534	8	17°77'83	20°47'97	12	7°21'07	8°50'24									
3486	19	11°6'312	18°6'772	21	22°09'09	6°88'15			3535	9	19°34'55	20°54'96	16	8°77'70	8°51'53									
3487	9	4°0'445	19°0'700	10	14°49'44	7°01'18			3536	2*	20°49'95	20°68'68	5	9°93'50	8°61'20									
3488	9	6°7'588	19°6'428	8	17°18'55	7°67'64			3537				5	10°99'95	8°78'25									
3489	10	7°7'007	19°8'066	11	18°12'36	7°87'55			3538	2*	22°54'27	20°58'44	4	11°97'45	8°43'23									
3490	5	10°77'43	19°11'43	4	21°21'82	7°28'55			3539	4*	16°19'75	20°93'60	6	5°64'75	9°01'45									
3491	6	12°98'20	19°54'70	6	23°41'08	7°80'00			3540	4*	17°09'04	21°89'30	4	6°57'50	9°93'90									
3492	16	7°60'80	20°04'30	18	18°02'27	8°10'61			3541	17	17°57'71	21°88'45	22§	7°05'93	9°91'33									
3493	15	8°83'78	20°38'53	14	19°24'20	8°49'13			3542	23	19°94'40	21°94'64	25§	9°42'46	9°88'94									
3494	6	11°42'22	20°15'86	7	21°83'24	8°35'59			3543	2*	20°74'81	21°74'12	6	10°22'31	9°65'61									
3495	10	5°49'96	21°14'63	12	15°87'56	9°13'64			3544	2*	22°34'52	22°07'18	7	11°82'96	9°93'10									
3496	4†	5°64'83	21°00'52	4	16°03'28	8°99'95			3545	6	15°81'95	22°10'58	5	5°30'76	10°19'86									
3497	13	6°70'24	21°98'90	14	17°05'00	10°02'00			3546				7	5°31'28	10°19'89									
3498	4	7°58'67	21°70'35	4	17°94'74	9°75'78			3547	4*	19°08'49	22°22'52	8	8°57'79	10°20'20									
3499	4*	10°75'45	21°07'56	4*	21°13'20	9°24'77			3548	8*	22°66'20	23°03'25	19	12°17'96	10°87'57									
3500	10	10°76'67	21°08'03	10	21°14'46	9°25'13			3549	5	15°76'32	23°67'34	10	5°31'18	11°76'34									
3501	4	12°54'59	21°42'99	4*	22°91'28	9°66'35			3550				4†	5°98'64	11°82'88									
3502	20	13°81'30	21°28'14	18	24°18'29	9°55'78			3551	39§	23°20'34	23°56'64	38§	12°74'30	11°39'18	69 468	9'4							
3503	10	13°98'48	21°64'62	13	24°34'17	9°93'12			3552	10	17°23'57	24°85'57	22	6°82'47	12°89'39									
3504	36§	9°12'76	22°05'61	36§	19°47'30	10°17'22	69 459	8'4	3553	17	22°56'68	25°02'93	23§	12°15'84	12°87'37	70 513	9'5							
3505	28	9°65'01	22°91'47	29§	19°96'60	11°04'50	69 460	9'5	3554	55§	17°64'83	25°71'50	60§	7°26'99	13°73'65	70 508	8'8							
3506	5*	11°00'00	23°33'58	6	21°30'05	11°51'50			3555	24	21°38'60	25°33'02	25§	10°98'95	13°21'68									
3507	10	7°75'73	24°22'16	10	18°02'65	12°28'85			3556	20*	24°31'64	26°07'55	23	13°94'46	13°85'88									
3508	8	11°75'60	24°58'63	8	22°01'00	12°79'10			R.A. 8 <sup>h</sup> 20 <sup>m</sup> to 8 <sup>h</sup> 30 <sup>m</sup>															
3509	4*	4°18'75	25°76'25	12	14°40'18	13°70'44			Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Plate 1788. 1894, Feb. 12.			Plate 4203. 1898, Dec. 19.						
3510				6	15°80'33	13°23'93			Plate 4203. 1898, Dec. 19.															
3511	13	13°63'56	25°02'25	13	23°87'48	13°29'05			3557	10	9°92'03	14°69'27	8*	20°53'28	2°71'81									
	40§	3°52'81	22°83'50				69 455	8'9	3558	12	10°46'59	14°88'51	11*	21°07'09	2°93'29									
	39§	3°59'62	22°53'72				69 456	9'1	3559	24§	13°91'65	14°17'30	42§	24°55'04	2°38'18	69 479	9'5							
	28	11°28'48	25°85'54				70 503	9'2	3560	27§	5°18'04	15°21'44	27§	15°77'40	3°02'08	69 471	9'5							
	110§	3°74'69	26°21'13				70 497	6'5	3561	11	5°30'47	15°48'41	10	15°88'66	3°29'61									
R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 20 <sup>m</sup>									3562	5	7°23'38	15°66'43	4*	17°80'42	3°56'23									
Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			3563	33§	7°39'41	15°49'56	32§	17°97'65	3°40'38	69 474	9'5							
Plate 2433. 1895, March 3.			Plate 4203. 1898, Dec. 19.			Plate 2433. 1895, March 3.			3564	17	7°98'00	15°47'97	18	18°56'10	3°41'57									
3512	7	15°80'50	14°53'61	5*	5°02'31	2°63'69		m.	3565	4	10°18'69	15°75'62												
3513	27§	18°74'59	14°75'62	41§	7°97'18	2°75'02	69 465	9'4	3566	9	10°64'40	15°60'70	10*	21°21'71	3°66'21									
3514	20	18°77'36	14°74'21	26	7°99'88	2°73'40			3567	40§	10°67'01	15°58'91	44§	21°24'36	3°64'69	69 475	9'5							
3515	31§	20°65'71	14°76'92	44§	9°88'23	2°69'23	69 466	9'3	3568	17	3°87'79	16°51'31	17	14°41'32	4°25'86									
3516	5	15°76'85	15°35'54	7	5°01'73	3°45'33			3569	18	6°62'13	16°63'77	19	17°14'85	4°51'03									
3517	4	16°72'22	15°18'79	4*	5°96'27	3°25'36			3570	6	8°05'37	16°37'09	6	18°59'07	4°30'74									
3518	4	20°37'76	15°70'88	5	9°63'24	3°64'14			3571	21	4°82'39	18°13'59	20§	15°28'44	5°92'33									
3519	3*	22°39'56	16°01'74	5	11°65'94	3°87'83			3572	8	7°16'80	17°59'57	8	17°65'39	5°49'03									
3520	7	24°06'38	15°21'68	10	13°30'00	3°01'70			3573	5†	7°83'13	18°02'93	6*	18°29'15	5°95'38									
3521				8	13°66'03	3°78'71			3574	5	8°91'88	17°57'63	5	19°39'90	5°55'21									
3522	34§	16°79'06	16°68'45	49§	6°08'73	4°74'69	69 463	9'0	3575	5	10°82'42	17°92'75	5*	21°28'85	5°98'53									
3523	4	18°15'61	16°42'53	6	7°44'10	4°43'72			3576	52§	13°58'62	17°55'46	65§	24°06'65	5°74'37	69 478	8'0							
3524	84§	18°40'03	16°81'22	85§	7°70'00	4°81'36	69 464	7'2	3577				5	16°20'47	6°79'99									
3525				5	11°35'56	4°00'25			3578	5	8°40'22	18°70'70	5*	18°83'20	6°65'98									
3526	4*	15°92'46	17°81'55	5	5°26'03	5°90'69			3579	6	8°56'27	18°81'90	8	18°98'90	6°77'61									
3527	6	20°13'67	17°96'80	13	9°47'45	5°90'93			3580	32§	11°80'88	18°72'72	41§	22°23'36	6°83'55	69 477	9'3							
3528	5*	21°19'43	17°35'44	7	10°50'85	5°25'53			3581	30§	11°85'11	18°06'53	35§	22°31'10	6°17'46	69 476	9'5							
3529	60§	15°78'14	18°01'93	66§	5°12'56	6°11'39	69 462	7'8	3582	3*	4°15'98	19°62'27	5	14°55'40	7°37'57									
3530	15	21°12'52	18°33'40	20	10°47'50	6°23'66			3583	7	8°06'30	19°42'45	7	18°46'24	7°35'86									
3531	4†	20°34'93	19°63'58	5	9°74'90	7°56'37			3584	8	8°40'93	19°83'93	8	18°78'64	7°78'79									
3532	10	20°71'53	20°06'60	19	10°12'82	7°98'05			3585	21	9°57'00	19°04'68	21	19°98'35	7°05'00									
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1 réseau interval represents very nearly 5' = 55".8 at Dec. + 69°, and 58".5 at Dec. + 70°.



## ZONE + 69°.

R.A. 8 <sup>h</sup> 20 <sup>m</sup> to 8 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>									R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Plate 1788. 1894, Feb. 12.			Plate 4203. 1898, Dec. 19.		
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.		No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.	
							No.	Mag.								No.	Mag.
3587	9	4.6785	21.1840	9	15.0005	8.9610			3641	3*	15.2206	20.5413	3*	4.6499	8.7212		
3588	7*	6.141.9	20.9182	7	16.4731	8.7617			3642	29§	17.5412	20.4886	28§	6.9663	8.5738	69	482
3589	41§	7.0655	20.9321	40§	17.3952	8.8173	69	473	3643	4†	19.7154	20.2097	6	9.1257	8.2026		
3590	23	9.7218	20.4242	23§	20.0745	8.4309			3644				4	11.3050	9.8550		
3591	8	10.3431	20.2736	7	20.7010	8.3113			3645				4	3.9463	10.2142		
3592	24§	11.1721	20.8269	28§	21.5049	8.9012			3646				4	13.1903	10.3208		
3593	10	13.6220	20.1363	10	23.9833	8.3232			3647	4†	14.7535	23.6279	4	4.3148	11.8264		
3594	45§	13.9855	20.0646	63§	24.3510	8.2713	69	480	3648	13	16.0018	23.0547	17	5.5353	11.2000	69	481
3595				7	16.8886	9.9648			3649	15	16.0083	23.0592	15	5.5427	11.2044		
3596	5	6.5953	21.3561	7	16.9088	9.2224			3650	3*	17.6719	23.4520	4	7.2220	11.5308		
3597	73§	6.8096	21.9169	82§	17.0952	9.7896	69	472	3651	6	17.9928	23.3433	6	7.5361	11.4045		
3598	6*	7.5760	21.1301	6	17.8959	9.0383			3652	8	19.8657	23.1759	11	9.4012	11.1621		
3599	12	11.4206	21.1412	12	21.7365	9.2274			3653				4	9.9975	11.8803		
3600	18	13.8839	21.0558	19	24.2027	9.2537			3654	33§	15.3069	24.7480	32§	4.9158	12.9238	70	527
3601				8	15.4947	10.7300			3655	6	16.4796	24.7114	9	6.0838	12.8368		
3602	20	5.4336	23.2489	14	15.6602	11.0546			3656	11	17.6666	24.0583	12	7.2405	12.1348		
3603				4	15.8383	11.7828			3657	4	21.7790	24.3196	8	11.3592	12.2183		
3604	7*	6.5444	23.8962	8	16.7397	11.7546			3658	36§	24.0307	24.2699	30§	13.6103	12.0768	69	486
3605	16	7.7964	23.5080	15	18.0095	11.4235			3659	21	14.9473	25.0553	23§	4.5698	13.2445	70	526
3606	6*	9.2498	23.1666	6	19.4758	11.1500			3660	12	14.9548	25.1621	14	4.5806	13.3528		
3607	22§	9.5581	23.4596	22	19.7684	11.4589			3661				4	5.6898	13.8840		
3608	15	9.9555	23.3042	16	20.1733	11.3229			3662				3	7.5907	13.0110		
3609	17	13.1067	23.7143	15	23.3006	11.8729			3663	30	21.5271	25.5158	24§	11.1580	13.4267	70	532
3610				5	17.7911	12.6373			R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup>								
3611	21	10.2240	24.5852	21§	20.3827	12.6144			Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°								
3612	8†	10.3272	24.2663	9	20.5001	12.2954			Plate 1788. 1894, Feb. 12.								
3613	10	12.1898	24.7280	9	22.3361	12.8479			Plate 4204. 1898, Dec. 19.								
3614				6	14.8243	13.1174			3664	7	9.2450	14.3279	7	19.9711	2.3866		
3615	7*	8.0184	25.4902	8	18.1371	13.4138			3665	7	10.6110	14.4346	8*	21.3313	2.5454		
3616	10	9.6278	25.0885	12	19.7657	13.0842			3666	9	11.6124	14.5427	11	22.3289	2.6920		
3617	53§	10.0460	25.0368	60§	20.1862	13.0550	70	521	3667	7	7.7227	15.8199	12	18.3900	3.8163		
R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 40 <sup>m</sup>									3668	5*	8.2348	15.1612	5*	18.9291	3.1770		
Centre R.A. 8 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°									3669	4*	4.0720	17.1209	5	14.6903	4.9753		
Plate 1788. 1894, Feb. 12.									3670	8	4.6600	17.0550	12	15.2823	4.9321		
3618	6	22.5427	14.2752	6	11.7007	2.1563			3671	6	7.7262	16.6454	9	18.3632	4.6427		
3619	16	22.8216	14.7179	19§	12.0000	2.5849			3672	10	8.2868	16.4186	18	18.9346	4.4361		
3620	18	24.3189	15.1595	20	13.5154	2.9628			3673	3	9.5440	16.3597	4*	20.1916	4.4255		
3621	8	17.9160	15.5815	8	7.1358	3.6534			3674	16	9.5767	16.2586	22	20.2276	4.3249	69	489
3622	11	18.3895	15.4365	10	7.6010	3.4910			3675	12	10.4160	16.8420	19	21.0447	4.9401		
3623	3*	22.7607	15.4787	4†	11.9705	3.3480			3676	22§	12.2818	16.1203	38§	22.9355	4.2897		
3624	3†	23.4796	15.5864	6	12.6968	3.4273			3677	3*	7.4740	17.1201	3*	18.0922	5.1059		
3625	19	17.8764	16.1392	22	7.1197	4.2128			3678				6	14.3802	6.7396		
3626	29	22.6066	16.5665	31§	11.8632	4.4439	69	485	3679	7	3.8859	18.2010	10	14.4645	6.0473		
3627	25§	20.0734	17.1691	26§	9.3576	5.1523			3680	4*	4.3340	19.0975	6	14.8792	6.9587		
3628	12	21.0905	17.0970	14	10.3690	5.0358			3681	18	10.9690	18.1141	25§	21.5490	6.2333		
3629	3*	23.1126	17.3316	5	12.3996	5.1850			3682	20	11.9810	18.1418	32§	22.5603	6.2983		
3630	2*	23.9866	17.9923	4	13.2992	5.8060			3683				4	14.2816	7.9255		
3631	4	16.2672	18.4693	4	5.6110	6.6114			3684	5	5.4045	19.7397	6	15.9234	7.6446		
3632	6	18.2194	18.4471	6	7.5575	6.5047			3685	12	6.0348	19.0759	17	16.5808	7.0063		
3633	11	19.4227	18.4433	13	8.7603	6.4505			3686	4	6.8934	19.4982	8	17.4219	7.4594		
3634	23§	21.6354	18.2672	24§	10.9633	6.1820	69	484	3687				6	17.5594	7.4961		
3635	4*	22.1060	18.2108	6	11.4305	6.1038			3688	16§	8.3975	19.3546	21	18.9316	7.3751		
3636	3*	23.3594	18.4910	6	12.6932	6.3333			3689	21§	8.7290	19.3650	26§	19.2624	7.3983		
3637				4	13.9808	6.8342			3690	24§	10.5534	19.6303	32§	21.0725	7.7352	69	491
3638	9	15.7316	19.2155	10	5.1066	7.3771			3691	13	10.8461	19.3509	21	21.3804	7.4663		
3639	21	16.3044	19.5017	21§	5.6899	7.6395			3692	17	12.6395	19.4492	31	23.1663	7.6321		
3640	20	21.0373	19.2967	20	10.4092	7.2354	69	483	3693	12	13.3331	19.3375	15	23.8628	7.5469		
									3694	15	13.5001	18.9428	29	24.0428	7.1576		

1 réseau interval represents very nearly  $5' = 55^{\circ}.8$  of at Dec. + 69°, and  $58^{\circ}.5$  at Dec. + 70°.

## ZONE + 69°.

							B. D.									B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.
R.A. 8 <sup>h</sup> 40 <sup>m</sup> to 8 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>									R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°		
Plate 879. 1893, March. 19.			Plate 4204. 1898, Dec. 19.			Plate 879. 1893, March. 19.			Plate 3819. 1898, Jan. 7.			Plate 879. 1893, March. 19.			Plate 3819. 1898, Jan. 7.		
3695	5	6.7000	20.0773	5	17.2052	8.0328			3748				5	11.7078	5.1812		
3696	11	8.0778	20.3726	19	18.5724	8.3795			3749	5	15.9758	17.9975	10	5.5388	6.1603		
3697	7	8.3054	20.6873	14	18.7863	8.7017			3750	2*	17.0143	18.2393	4	6.5921	6.3639		
3698	26§	11.8929	20.2857	43§	22.3878	8.4412	69	493	3751	21§	18.2935	17.9350	26§	7.8521	6.0015	69	500
3699	21	3.8279	22.0791	21§	14.2592	9.9217			3752	20§	18.9825	18.3771	25§	8.5595	6.4151	69	501
3700	6	4.9449	21.2180	8	15.4067	9.1005			3753				2†	12.1097	6.3653		
3701	4	5.9355	21.5265	5	16.3831	9.4498			3754	26§	14.8639	19.2359	36§	4.4795	7.4446	69	496
3702				4	16.8553	9.4205			3755	25§	15.5256	19.2673	29§	5.1416	7.4486	69	497
3703	8	10.5721	21.2934	10	21.0293	9.3959			3756				5	7.3063	7.7910		
3704	44§	13.0240	21.5551	58§	23.4667	9.7516	69	494	3757	8	19.2119	19.7377	15	8.8437	7.7671		
3705	37§	4.3874	22.8975	31§	14.7891	10.7599	69	487	3758	43§	19.6019	19.0359	51§	9.2031	7.0475	69	503
3706	12	6.4882	22.8255	16§	16.8867	10.7679			3759				3	9.8880	7.9186		
3707	6	8.9218	22.1854	9	19.3429	10.2187			3760	3*	21.1739	19.4132	7	10.7906	7.3619		
3708	8	12.7739	22.4585	10	23.1824	10.6459			3761				8	11.0302	7.9885		
3709	6*	4.2853	23.1572	11	14.6743	11.0148			3762				3†	11.4580	7.8818		
3710				6	15.7380	11.3144			3763	8	18.8243	20.3006	14	8.4809	8.3459		
3711	5	6.8980	23.4038	8	17.2756	11.3647			3764				4	9.4128	8.2193		
3712	31§	8.6837	23.5836	36§	19.0537	11.6105	69	488	3765	10	21.6458	20.1715	18	11.2930	8.0989		
3713	9	10.9793	22.8991	13	21.3737	11.0185			3766				4	12.3435	8.3165		
3714	18	11.6567	23.8445	22§	22.0133	11.9860	69	492	3767	2*	22.8723	20.5588	7	12.5299	8.4326		
3715	5	12.7724	23.5121	8	23.1390	11.6974			3768				3	13.2657	8.2412		
3716				5	16.4773	12.4026			3769				4	13.7542	8.3675		
3717	5	9.6249	24.2136	10	19.9700	12.2771			3770	4†	14.5144	20.9423	8	4.2011	9.1641		
3718	5†	10.5759	24.6975	9	20.9025	12.7981			3771	3*	16.5743	21.7084	8	6.2912	9.8457		
3719	13	10.8752	24.2058	18	21.2192	12.3193			3772	21§	17.4066	21.2229	23§	7.1026	9.3251	69	498
3720				6	15.9232	13.0235			3773	4	17.9723	21.8709	6	7.6969	9.9484		
3721				5	16.8999	13.9306			3774				6	8.1749	9.7939		
	30§	1.2251	16.6941				69	485	3775				6	12.6032	9.2439		
R.A. 8 <sup>h</sup> 50 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>									3776	19	22.9458	21.3489	21§	12.6399	9.2219	69	505
Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 8 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			3777				7	13.2364	9.8040		
Plate 879. 1893, March. 19.			Plate 3819. 1898, Jan. 7.			Plate 879. 1893, March. 19.			3778	7	16.4664	22.8114	9	6.2268	10.9553		
3722	6	15.1451	14.2891	9	4.5563	2.4933			3779				5	7.9783	10.7168		
3723				4	6.8229	2.1394			3780				7	11.7832	10.7454		
3724				4†	8.8417	2.0428			3781	9	23.7033	22.5383	14	13.4495	10.3784		
3725	3†	22.9117	14.6982	6	12.3300	2.5768			3782	7	16.8738	23.4859	13	6.6645	11.6071		
3726				4	12.7038	2.0045			3783				3	7.0730	11.4211		
3727	4	18.9143	15.6640	11	8.3790	3.7070			3784				7	8.5130	11.6862		
3728	21§	19.5549	15.8035	25§	9.0260	3.8224	69	502	3785				3	8.7983	11.0000		
3729	3	19.8950	15.8078	6	9.3631	3.8104			3786				7	8.9858	11.2275		
3730	3	21.4157	15.6339	8	10.8776	3.5748			3787				6	10.7966	11.9653		
3731				5	11.2482	3.3693			3788				3	11.0735	11.7030		
3732	6	21.8558	16.0683	11	11.3330	3.9933			3789	2*	20.3535	24.3001	8	10.1760	12.2798		
3733				4	12.2473	3.2139			3790	22	20.8522	24.7415	14§	10.6866	12.6963	70	547
3734				4	13.8357	3.3133			3791				17§	10.6937	12.6982		
3735	13	16.6729	16.8559	21§	6.1894	4.9935			3792				3	11.3317	12.4957		
3736	5	19.3506	16.4425	10	8.8474	4.4682			3793				3	12.3043	12.6694		
3737				4	9.4993	4.5218			3794	4†	22.8979	24.3042	12	12.7170	12.1749		
3738				4	10.2300	4.8346			3795				8	13.4957	12.6918		
3739				3	10.8276	4.1544			3796	3*	14.4347	25.0018	8	4.2901	13.2251		
3740	8	22.1285	16.6266	12	11.6300	4.5356			3797	3*	14.5998	25.3054	9	4.4667	13.5160		
3741	22§	14.2877	17.4384	27§	3.8297	5.6744	69	495	3798	9	14.6056	25.3872	14	4.4794	13.6007		
3742	4	14.3423	17.3792	6	3.8829	5.6138			3799				5	6.3142	13.6563		
3743	8	15.8677	17.7440	14	5.4212	5.9133			3800				3	6.5682	13.2158		
3744				5	6.7506	5.5949			3801				6	10.4316	13.5641		
3745	43§	17.5889	17.0539	43§	7.1109	5.1538	69	499	3802	43§	20.5955	25.8293	35§	10.4795	13.7943	70	546
3746				6	8.1588	5.9655			3803	4*	20.6868	25.1610	10	10.5470	13.1242		
3747				4	11.4119	5.5544			3804				4	12.8299	13.0033		
										53§	25.3292	20.8598				69	508
										50§	24.3342	21.5130				69	506

Nos. 3790, 3791. Plate 879. Measured as one mass.

. 1 réseau interval represents very nearly 5' = 55.8 at Dec. + 69°, and 58.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 10 <sup>m</sup>								R.A. 9 <sup>h</sup> 10 <sup>m</sup> to 9 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1789. 1894, Feb. 12.				R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3819. 1898, Jan. 7.				Centre R.A. 9 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 1789. 1894, Feb. 12.				R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 891. 1893, March 21.			
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
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No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
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No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.
No.	Diam.	α.	μ.	Diam.	α.	μ.	B. D.	No.	Diam.	α.	μ.	Diam.	α		

No. 3882. Plate 891. The 6<sup>min</sup>. image is not measurable. The diameter given is that of the 3<sup>min</sup>. image.

1 *réseau* interval represents very nearly 5' = 55".8 at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
R.A. 9 <sup>h</sup> 20 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>						
Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1919. 1894, March 31.							Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1919. 1894, March 31.						
R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 891. 1893, March 21.							R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1933. 1894, April 3.						
3912	9	4°9740	17°6690	8	15°6319	5°5177	3964	10	15°1248	18°4284			
3913	15	6°8923	17°8651	10	17°5404	5°7950	3965	10	16°9255	18°4096	4*	6°3733	6°5007
3914	8	8°0053	17°6452	6*	18°6610	5°6232	3966	8	20°7861	18°0165	3*	10°2127	5°9457
3915	6	8°1008	17°8395	4*	18°7461	5°8217	3967	4*	22°1044	18°0348	3	11°5312	5°9175
3916	7	9°3302	17°7061	6†	19°9824	5°7368	3968	10	14°6428	19°5117			
3917	24	12°8605	17°4181	19	23°5223	5°5983	3969	22	16°6094	19°4727	17	6°0996	7°5764
3918	10	13°5491	17°2249	4*	24°2128	5°4357	3970	20	20°4833	19°8959	13	9°9858	7°8395
3919	6	13°7107	17°8766				3971	25	23°6372	19°9091	19	13°1371	7°7226
3920	5	3°5693	18°3557	4*	14°2005	6°1412	3972	5	14°4356	20°6472			
3921	6	8°7567	18°4519				3973	4	14°8300	20°2171			
3922	12	9°6757	18°0243	8	20°3122	6°0713	3974	20	17°2744	20°7465	14	6°8166	8°8223
3923	7	11°0415	18°1723	4*	21°6712	6°2759	3975	7	17°5230	20°7008			
3924	6	11°6841	18°9260				3976	3	18°0409	20°0153	3*	7°5554	8°0601
3925	9	12°9213	18°7264	5*	23°5226	6°9087	3977	9	23°4255	20°5308	6	12°9520	8°3510
3926	11	13°9112	18°5460	5*	24°5251	6°7701	3978	13	24°0455	20°2669	8	13°5619	8°0652
3927	39§	3°8787	19°5058	26§	14°4578	7°3063	3979	4	14°6573	21°1099			
3928	4	8°6148	19°1759				3980	4	16°9046	21°7782			
3929	37§	10°0865	20°2939	33§	20°6299	8°3537	3981	6	18°4145	21°7859			
3930	12	13°9473	20°9715	8	24°4555	9°1953	3982	18	21°3625	21°3980	10	10°9254	9°3046
3931	4†	3°9630	21°6857	5	14°4507	9°4853	3983	30§	21°9633	21°9970	22	11°5505	9°8780
3932	29§	10°7776	21°1430	24	21°2819	9°2327	3984	66§	14°3211	22°7689	68§	3°9506	10°9650
3933	3	12°0541	21°2435				3985	99§	17°8657	22°2602	100§	7°4719	10°3124
3934	9	13°1369	21°4538	7*	23°6283	9°6402	3986	7*	23°7515	22°4506	4*	13°3515	10°2577
3935	28	5°4745	22°5078	18	15°9265	10°3723	3987	52§	16°8062	23°0487	45§	6°4431	11°1409
3936	7	8°7523	22°9870	4	19°1814	10°9848	3988	40§	20°4672	23°6573	32§	10°1264	11°5999
3937	6	12°8030	22°4445				3989	42§	23°8206	23°3553	33§	13°4643	11°1575
3938	64§	3°7757	23°9318	42§	14°1717	11°7202	3990	11	22°8782	24°5853	10	12°5713	12°4252
3939	22	9°7771	24°7815	14	20°1282	12°8222							
3940	6	10°8013	24°2254	4	21°1746	12°3117							
3941	17	13°4442	24°9457	16	23°7843	13°1431							
3942	38§	13°7508	24°1540	36§	24°1253	12°3693							
3943	6	9°6711	25°6560										
R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 40 <sup>m</sup>							R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup>						
Centre R.A. 9 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1919. 1894, March 31.							Centre R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4807. 1900, Jan. 27.						
R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1933. 1894, April 3.							R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1933. 1894, April 3.						
3944	23	17°9352	13°9980	14	7°1976	2°0531	3991	19§	8°3886	14°9405	23	19°1489	2°8004
3945	7	14°8991	14°8001				3992	3	10°0526	14°6869			
3946	23§	16°5822	14°4320	16	5°8671	2°5415	3993	9	10°0907	14°2067	4*	20°8764	2°1314
3947	11	16°6755	14°0730				3994	11	10°5908	14°9830	5	21°3495	2°9303
3948	6	17°2590	14°1530				3995	13	13°5012	14°1305	6*	24°2928	2°1966
3949	4	19°2449	14°2621				3996	22§	4°8407	15°4250	25	15°5821	3°1445
3950	17	20°3468	14°0483	6*	9°6095	2°0058	3997	8	11°7137	15°8411	3*	22°4364	3°8348
3951	4	23°3431	14°8163				3998	6	11°3449	16°8453			
3952	18	18°6601	15°2521	10	7°9765	3°2753	3999	14	11°6166	16°6829	7	22°3025	4°6696
3953	46§	21°1082	15°9435	45§	10°4478	3°8639	4000	12	13°9187	16°6158	8*	24°6085	4°7013
3954	13	22°8737	15°8219	6	12°2066	3°6743	4001	5	7°2055	17°9830	3	17°8459	5°7939
3955	14	23°3305	15°8396	8	12°6639	3°6721	4002	17	7°3715	17°9538	20	18°0105	5°7708
3956	20	15°3504	16°4889	10	4°7188	4°6468	4003	10	11°0465	17°9835	7	21°6835	5°9490
3957	7	18°6232	16°1547				4004	4	13°1655	17°2093			
3958	18	20°8690	16°3264	7	10°2263	4°2600	4005	5	4°0098	18°4340	4*	14°6318	6°1149
3959	42§	21°0180	16°9096	41§	10°3958	4°8334	4006	17	5°1031	18°6357	20	15°7184	6°3618
3960	19	21°0544	16°1796	10	10°4055	4°1039	4007	41§	10°6505	18°5314	62§	21°2655	6°4791
3961	7	24°3502	16°5671	4*	13°7137	4°3546	4008	27§	12°7271	18°5401	38	23°3368	6°5703
3962	20	16°1369	17°2463	13	5°5378	5°3724	4009	22§	6°3070	19°6039	24§	16°8800	7°3760
3963	43§	16°1983	17°0113	42§	5°5873	5°1365	4010	10	8°9408	19°4711	6	19°5193	7°3505
							4011	6	10°3122	19°1102	3*	20°9058	7°0404
							4012	17§	10°6109	19°0065	14	21°2091	6°9560
							4013	15§	10°6413	19°0055	16	21°2378	6°9557
							4014	10	11°3167	19°8143	5*	21°8777	7°7908
							4015	22§	13°8329	19°2180	32	24°4177	7°2958



## ZONE + 69°.

R.A. 9 <sup>h</sup> 40 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								R.A. 9 <sup>h</sup> 50 <sup>m</sup> to 10 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4807. 1900, Jan. 27.				R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1933. 1894, April 3.				Centre R.A. 9 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 4807. 1900, Jan. 27.				R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3877. 1898, Feb. 27.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.
4016	16	3.5655	20.5790	23	14.1011	8.2410	°	4068	12	17.2004	18.3205	23§	6.6709	6.3512	°
4017	10	4.5787	20.1993	14	15.1286	7.9015	69 537 9.4	4069				4	7.1312	6.3270	
4018	14§	8.7376	20.2738	12	19.2828	8.1448	69 540 9.5	4070	6	18.3763	18.4357	13	7.8509	6.4203	
4019	5	10.0661	20.0060	3*	20.6240	8.9348		4071				7	12.6637	6.3279	
4020	8	10.2512	20.8947	6*	20.7720	8.8273		4072	4	15.4698	19.4743	10	4.9900	7.5747	
4021	12	11.3810	20.0669	11	21.9353	8.0405	69 543 neb.	4073	6	19.7257	19.6585	14	9.2484	7.5857	
4022	4	12.4404	21.7256					4074				6	12.0399	7.8177	
4023	5*	4.8996	22.2789	4	15.3647	9.9950		4075	4†	14.8747	19.9167	14	4.4110	8.0396	
4024	9	5.6513	22.1243	6	16.1232	9.8702		4076				6	6.4998	8.4432	
4025	18§	10.0205	22.3940	20	20.4806	10.3166		4077	41§	18.5612	20.3394	62§	8.1117	8.3137	69 551 7.7
4026	3	10.8475	22.7889					4078	4	20.8005	21.0053	14	10.3797	8.8872	
4027	15	11.6956	23.4213	14	22.1113	11.4112		4079				6	11.1542	9.5583	
4028	14	13.1044	23.4105	10	23.5197	11.4564		4080	8	22.8153	21.6193	19§	12.4127	9.4236	
4029	7	9.1183	24.0771	7	19.5109	11.9640		4081	3*	15.7784	22.2041	9	5.4079	10.2857	
4030	19	4.1296	25.0433	23§	14.4835	12.7261	70 579 9.5	4082	14	17.1558	22.3526	25§	6.7893	10.3814	
4031	8	6.3746	25.8692	10	16.6975	13.6449		4083	3*	18.2582	22.5776	10	7.8999	10.5627	
4032	4*	7.2151	25.3223	4	17.5568	13.1287		4084	4	19.5495	22.6219	12	9.1902	10.5554	
4033	36§	10.0193	25.1525	35§	20.3689	13.0719	70 586 9.4	4085	19	20.9550	22.3972	23§	10.5879	10.2739	
								4086				4	11.5987	10.9418	
								4087				7	3.7395	11.1049	
								4088				8	4.7100	11.5333	
								4089	7	15.2989	23.8115	14§	4.9905	11.9151	
								4090				6	5.5734	11.1644	
								4091	4†	17.1027	23.3713	11	6.7794	11.4033	
								4092				6	11.1699	11.4149	
								4093				7	12.0797	11.8569	
								4094	4*	15.8394	24.2686	12	5.5505	12.3532	
								4095				6	6.0115	12.0950	
								4096	25§	18.2465	24.7755	38§	7.9791	12.7587	
								4097	4	18.5603	24.0566	14	8.2602	12.0273	
								4098	6	19.7577	24.6280	16	9.4800	12.5532	
								4099	7	21.3234	24.1934	18§	11.0273	12.0527	
								4100	6*	21.9416	25.0266	14	11.6801	12.8620	
								4101				10	5.7110	13.3131	
								4102	10	16.1313	25.7195	21§	5.9008	13.7867	
								4103	6†	18.3896	25.3477	18§	8.1402	13.3245	
								4104	27	22.0250	25.4992	39§	11.7798	13.3276	70 594 9.5
												90§	2.5392	1.6928	69 545 8.0
									39§	26.4432	14.1738				69 560 9.3
									52§	25.6669	16.6046				69 559 9.2
									79§	26.4291	16.1860				69 561 7.0

No. 4021. B. D. 69° 543 is noted in the *Durchmusterung* as a nebula. This star is very near the B. D. place, but has no appearance of nebulousity.

1 réseau interval represents very nearly 5' = 55.8 at Dec. + 69°, and 58.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 10 <sup>m</sup> to 10 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 10 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			
Plate 2477. 1895, March 22.				Plate 3877. 1898, Feb. 27.				Plate 2477. 1895, March 22.				Plate 1934. 1894, April 3.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
4115				3	16.8643	4.0479	°	4168	5	17.4168	15.5381	6†	6.7017	3.6471	°
4116	4	7.8327	16.5284	17	18.5095	4.6062		4169	6	15.1070	16.9678	8*	4.4499	5.1747	
4117				6	19.6722	4.3896		4170	85§	17.6915	16.9198	115§	7.0353	5.0143	69 568 6.0
4118	16§	4.7400	17.6061	33§	15.3764	5.5571		4171	11	22.6898	17.7727	22§	12.0635	5.6588	
4119				6	15.5718	5.9573		4172	8	23.7531	17.6618	14	13.1224	5.5039	
4120	3*	4.9644	17.8452	9	15.5898	5.8052		4173	6	14.5508	17.9743	7	3.9404	6.2026	
4121	9	6.2712	17.4964	25§	16.9090	5.5094		4174	23§	24.4985	18.5103	34§	13.9018	6.3181	69 572 9.0
4122				8	19.1800	5.5472		4175	6	14.8974	19.3634	9	4.3452	7.5695	
4123	4*	9.3538	17.7765	18	19.9798	5.9153		4176	5	15.7606	19.2513	6†	5.2027	7.4256	
4124	5	10.1718	17.8267	21	20.7924	5.9988		4177	38§	18.7936	19.0825	64§	8.2265	7.1304	69 569 7.5
4125	21§	13.8057	17.5498	53§	24.4373	5.8730	69 566 9.1	4178	20§	21.4906	19.1073	31§	10.9231	7.0404	69 571 8.8
4126				8	15.1826	6.3807		4179	3*	14.4941	20.4258	5	3.9858	8.6498	
4127				3	15.9743	6.3426		4180	38§	17.1851	20.1747	62§	6.6657	8.2881	69 567 7.7
4128				10	17.9661	6.1444		4181	4†	18.6246	19.9685	10	8.0931	8.0253	
4129	4*	5.4018	19.3347	17§	15.9663	7.3122		4182	14	20.1358	21.6338	26§	9.6743	9.6242	69 570 9.5
4130				4	16.0100	7.8395		4183	11	21.6598	21.6385	20	11.1956	9.5651	
4131				3	17.5111	7.3935		4184	2*	15.1488	23.7955	4	4.7800	11.9898	
4132				3	18.8210	7.2181		4185	4*	18.9206	23.5138	10	8.5383	11.5517	
4133	3*	8.9978	19.2044	18§	19.5636	7.3303		4186	5	23.7373	23.8671	11	13.3681	11.7030	
4134				5†	21.8750	7.2179		4187	9	17.3942	24.0533	20	7.0360	12.1561	
4135	4	11.3661	19.3521	20	21.9251	7.5746		4188				4	9.6170	12.6859	
4136				4†	22.1295	7.5858		4189	4	17.6657	25.4910	10	7.3667	13.5801	
4137	3*	11.9112	18.7660	12	22.4897	7.0110		4190				5	7.9059	13.7600	
4138	2*	12.7908	19.5516	12	23.3392	7.8320		4191	2*	19.3586	25.3305	9	9.0519	13.3497	
4139				5	16.9223	8.5673		4192	6*	22.5008	25.6755	20	12.2055	13.5587	
4140				6	23.3608	8.9025		4193	3*	24.0635	25.6005	16	13.7641	13.4196	
4141				13	14.5989	9.7318		4194				4	13.8484	13.9295	
4142				12	14.7615	9.9650						31§	1.4803	2.2808	69 565 9.0
4143	7	6.3213	21.3287	26§	16.8005	9.3394									
4144				5	17.3574	9.9728									
4145				3	18.0872	9.0747									
4146				3	22.0148	9.6395									
4147				4	23.6688	9.4191									
4148	37§	6.9758	21.9833	60§	17.4280	10.0253	69 562 8.9								
4149				6	17.7545	10.3283									
4150	17	8.3888	22.5723	39§	18.8144	10.6695	69 563 9.3	4195	6*	3.8174	14.9657	6	14.5035	2.8086	°
4151				5	20.9628	10.0654		4196	9	11.1298	14.6035	9	21.8234	2.7331	
4152				11	14.8907	11.1681		4197	4	12.5379	14.5600				
4153				3	15.7727	11.7664		4198	4*	7.8992	15.3241	5*	18.5668	3.3280	
4154				4	17.6258	11.5669		4199	40§	11.4244	16.5600	64§	22.0410	4.7011	69 577 7.7
4155				8	17.6866	11.8707		4200	4*	4.4837	17.0805	6	15.0840	4.9438	
4156	4*	10.0652	23.6884	20§	20.4410	11.8559		4201	3*	10.3440	17.3613	3*	20.9300	5.4632	
4157	3*	12.1846	23.6389	15	22.5643	11.8887		4202	6	10.4721	17.8405	10	21.0381	5.9447	
4158	3*	12.6150	23.6004	15	22.9950	11.8711		4203	6	13.7672	17.3358	5*	24.3542	5.5702	
4159				4	14.6821	12.8922		4204	18	7.9725	18.5624	27§	18.5121	6.5660	69 575 9.5
4160				8	19.9024	12.6363		4205	6	10.8033	18.5000	11	21.3464	6.6148	
4161				9	21.3049	12.4282		4206	44§	11.3509	18.4398	69§	21.8934	6.5794	69 576 8.2
4162	3*	12.7533	23.8197	18	23.1219	12.0940		4207	8	6.0697	19.3711	14	16.5753	7.2979	
4163				18	14.0902	13.3148		4208	41§	12.7774	19.3615	63§	23.2819	7.5545	69 579 7.9
4164				21§	14.2452	13.8848		4209	4*	7.1077	21.4240	7	17.5323	9.3902	
4165				8	15.3351	13.2569		4210	6†	4.6083	22.2488	13	15.0018	10.1108	
4166				16	15.8459	13.8566		4211	10	9.3122	22.5581	18	19.6912	10.6111	
4167				3	20.9498	13.7585		4212	3*	4.4917	23.1077	6	14.8519	10.9675	
				60§	14.8755	1.1410	69 558 8.8	4213	23	6.3279	23.3876	25	16.6758	11.3204	70 614 9.5
				49§	15.7403	1.8335	69 560 9.3	4214	6	10.7174	23.1847	14	21.0720	11.2909	
				52§	23.0338	2.2171	69 565 9.0	4215	17	9.7650	23.9788	24	20.0858	12.0503	
	28§	1.6288	15.9673				69 555 9.1	4216	4*	9.8555	24.8911	6	20.1380	12.9660	
									29	3.3565	18.5003				69 572 9.0



## ZONE + 69°.

R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 40 <sup>m</sup>										R.A. 10 <sup>h</sup> 40 <sup>m</sup> to 10 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>																							
Centre R.A. 10 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°					Centre R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°																		
Plate 2469. 1895, March 21.					Plate 3409. 1897, April 4.					Plate 1998. 1894, April 22.					Plate 3409. 1897, April 4.																		
No.	Diam.	$\alpha$ .	$\mu$ .		Diam.	$\alpha$ .	$\mu$ .			No.	Diam.	$\alpha$ .	$\mu$ .		Diam.	$\alpha$ .	$\mu$ .																
										No.	Mag.											No.	Mag.										
4217	19	15°7259	13°8570		16	4°8715	2°0845	69° 581	9°5	4271	23§	8°5036	20°1810	14	18°9908	8°1801	69° 591	9°5															
4218	16	16°1409	13°8164		9	5°2834	2°0253			4272	4	9°4188	20°5906	2*	19°8831	8°6235																	
4219	12	20°0495	14°6089		12	9°2210	2°6540	69 585	9°3	4273	4	10°5665	20°7604	3*	21°0271	8°8380																	
4220	8	18°9910	15°4659							4274	8	11°6141	20°4144	4	22°0888	8°5340																	
4221	8	18°9913	15°4624		12	8°2013	3°5481			4275	7	5°0352	21°6176	4	15°4683	9°4760																	
4222	45§	19°7835	15°4554	43§	8°9905	3°5083	69 584	8°3		4276	5	5°7662	21°4332	4*	16°2042	9°3213																	
4223	3*	20°5198	15°0737	4	9°7123	3°0950				4277	14	8°2956	21°5572	7	18°7267	9°5451																	
4224	3	21°1427	15°6926	4	10°3607	3°6874				4278	17	10°1848	21°3169	8	20°6247	9°3810																	
4225	4	14°5464	16°3860	4	3°8000	4°6578				4279	6	10°7901	21°6253	4	21°2180	9°7127																	
4226	5	15°7381	16°1839	4	4°9830	4°4057				4280	24§	12°4645	21°7262	12	22°8868	9°8759																	
4227	4	16°9470	16°8257	4	6°2163	4°9975				4281	18	5°3096	22°8096	10	15°6932	10°6776																	
4228	4†	23°4928	16°2506	4	12°7311	4°1450				4282	6	5°8791	22°5888	3	16°2704	10°4809																	
4229	2*	21°4326	17°4672	4	10°7225	5°4488				4283	22§	6°0769	22°1798	12	16°4848	10°0822																	
4230	3*	22°0839	17°6054	8	11°3799	5°5665	69 587	var.		4284	6	8°0260	22°4793	4	18°4231	10°4543																	
4231	9	16°7338	18°3450	9	6°0686	6°5241				4285	4	9°7391	22°5851	3*	20°1301	10°6278																	
4232	5	22°2275	18°2711	6	11°5502	6°2170				4286	5	10°5802	22°4928	3*	20°9716	10°5673																	
4233	8	16°1817	19°3968	11	5°5603	7°5971	69 582	9°5		4287	4	12°5890	22°3629																				
4234	4*	24°5391	19°6675	6	13°9158	7°5125				4288	18§	9°7138	23°4265	8	20°0698	11°4690																	
4235	3*	15°4116	20°9847	3	4°8606	9°2146				4289	5	10°6153	23°4315	3	20°9705	11°5098																	
4236	13	15°5610	21°7363	14	5°0385	9°9620	69 580	9°5		4290	4	4°8168	24°1462	3	15°1495	11°9990																	
4237	3*	18°0560	21°7885	4	7°5314	9°9060				4291	30§	5°7305	24°2688	16	16°0575	12°1560																	
4238	71§	20°2357	21°1532	80§	9°6849	9°1789	69 586	4°7		4292				6	14°6437	13°9550																	
4239	5	20°3993	21°0903	6	9°8477	9°1092				4293				4	15°9186	13°6605																	
4240				3	10°8303	9°6332				4294	5*	5°7877	25°5305	5	16°0635	13°4198																	
4241				3	13°6600	9°9046				4295	29§	11°4768	25°6654	17	21°7432	13°7740																	
4242	3*	14°1060	22°2267	3	3°6100	10°5095				R.A. 10 <sup>h</sup> 50 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup>																							
4243	3†	17°2256	22°7845	5	6°7473	10°9348				Centre R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°																				
4244	5	17°9287	21°9368	5	7°4126	10°0602				Plate 1998. 1894, April 22.			Plate 3968. 1898, April 21.																				
4245	3*	19°5697	22°6772	4	9°0805	10°7321	69 589	9°5		4296	26§	19°3697	14°1858	38§	8°7158	2°2163	69° 596	9°4															
4246	11	23°0120	22°7554	12	12°5248	10°6648				4297	4	17°1435	15°9425	4*	6°5666	4°0661																	
4247	6	14°5254	23°4184	7	4°0777	11°6846				4298	3*	21°8237	15°2532	4*	11°2187	3°1811																	
4248	3*	14°6410	23°4950	4	4°1975	11°7550				4299	4	14°8873	16°1032	3*	4°3189	4°3184																	
4249	4*	18°8515	23°7488	6	8°4111	11°8331				4300	5	15°2050	16°4428	5	4°6503	4°6453																	
4250				5	10°9098	11°2907				4301	8*	16°6345	16°0362	7	6°0606	4°1805																	
4251	3*	16°3214	24°5232	6	5°9160	12°7100				4302	8*	16°9982	16°1052	13	6°4289	4°2363																	
4252	10	16°1576	25°0193	13	5°7724	13°2165				4303	27§	18°6968	16°0983	36§	8°1247	4°1536	69 594	9°5															
4253	6	20°9351	25°6351	10	10°5718	13°6256				4304	5*	20°9142	16°2947	5	10°3467	4°2557																	
R.A. 10 <sup>h</sup> 40 <sup>m</sup> to 10 <sup>h</sup> 50 <sup>m</sup>																																	
Centre R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°					R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°																												
Plate 1998. 1894, April 22.					Plate 3409. 1897, April 4.																												
4254	11	4°4595	15°9516	6	15°1159	3°7951				4306	4*	23°8066	16°1057	6	13°2298	3°9480																	
4255	7	13°3328	15°9888							4307	5*	24°5159	16°5142	6	13°9590	4°3253																	
4256	44§	13°6385	15°3108	44	24°3117	3°5157	69 592	8°6		4308	7	14°6667	17°4411	6	4°1559	5°6678																	
4257	18	3°8629	16°0593	10	14°5123	3°8821	69 590	9°5		4309	5	15°1349	17°5307	7	4°6236	5°7354																	
4258	7	4°8866	16°4875	4	15°5207	4°3455				4310	4	17°6867	17°4097	4*	7°1696	5°5071																	
4259	4	8°1578	16°4500	3	18°7865	4°4368				4311	15§	14°5172	18°2254	20§	4°0395	6°4575																	
4260	26§	12°5453	16°3471	15	23°1791	4°5069				4312	4	14°6709	18°5444	5	4°2086	6°7708																	
4261	6	7°4167	17°5060	3*	18°0086	5°4623				4313	4*	15°6722	18°4787	4	5°2010	6°6578																	
4262	21§	11°1846	17°8565	11	21°7596	5°9625				4314	10	16°7730	18°4245	13	6°2999	6°5602																	
4263	6	3°5508	18°3154	3	14°1117	6°1232				4315	9	19°3136	18°1281	12	8°8251	6°1577																	
4264	16	3°9093	18°3913	8	14°4692	6°2127				4316				3	10°6099	6°9113																	
4265	3	4°4507	18°6744							4317	7	20°7286	19°9404	10	10°3157	7°9114																	
4266	6	9°5832	18°6074	3†	20°1292	6°6481				4318	12	16°5706	20°8099	16§	6°1992	8°9526																	
4267	8	11°7020	18°9175	4	22°2341	7°0425				4319	8	16°8733	20°7362	10	6°4946	8°8649																	
4268	21§	13°8610	18°0168	9	24°4265	6°2281				4320	8	20°5056	20°2557	9	10°1015	8°2341																	
4269	5	8°3144	19°9143	2	18°8108	7°9045				4321	5*	15°1707	21°0872	3*	4°8094	9°2869																	
4270	4	11°5469	19°3349							4322	4*	15°8707	21°5717	4	5°5294	9°7435																	
										4323	6	17°3578	21°1079	6	6°9940	9°2143																	

Nos. 4220, 4221. Plate 3409. Measured as one mass.  
No. 4230. R. Ursæ Majoris.

1 *rescan* interval represents very nearly 5' = 55°.8 of R. A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 10 <sup>h</sup> 50 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 10 <sup>m</sup> —contd.						
Centre R.A. 10 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 1998. 1894, April 22.							Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2000. 1894, April 22.						
R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3968. 1898, April 21.							R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 70° Plate 3968. 1898, April 21.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
4324	7	18°44'12	21°49'86	7	8°09'40	9°56'17	4377	14	8°42'69	20°93'70	14	19°03'92	8°90'84
4325	5	19°26'87	21°9'17	6	8°9'370	9°94'30	4378	178	9°37'40	20°66'44	148	19°99'53	8°67'58
4326	6	21°68'91	21°69'19	7	11°34'62	9°6'188	4379	4	11°11'34	20°02'98	5	21°75'90	8°109'2
4327				4	11°93'72	9°11'79	4380	3*	8°89'95	21°09'98	5	19°50'43	9°088'7
4328	12	23°18'35	21°92'80	14	12°85'02	9°79'44	4381	218	10°35'04	21°21'19	188	20°95'03	9°266'1
4329	218	14°26'45	22°33'41	208	3°95'90	10°57'23	4382	3*	3°57'94	22°33'07	6	14°13'38	10°108'3
4330	4	16°39'18	22°16'30	6	6°07'60	10°31'18	4383	23	5°35'50	22°51'24	198	15°90'55	10°360'4
4331	5*	18°83'21	22°35'07	6	8°52'08	10°40'03	4384				3	17°35'98	10°082'2
4332				6	9°68'78	10°50'54	4385	4	9°87'18	22°56'82	5	20°41'69	10°599'0
4333	14	20°41'04	23°01'40	158	10°12'42	10°99'35	4386	4*	9°60'86	23°33'52	5	20°12'27	11°35'39
4334	408	20°45'77	22°63'07	298	10°15'54	10°60'89	4387	3*	12°18'59	23°77'27	5	22°68'00	11°89'39
4335				4	10°31'14	10°41'45	4388				7	15°86'98	12°15'36
4336				4	10°94'05	10°33'43	4389				4	16°68'25	12°00'77
4337	7	15°70'97	23°25'78	9	5°43'95	11°43'30	4390	4*	8°37'55	24°90'37	7	18°82'57	12°87'28
4338				3	6°38'12	11°36'19	4391	5*	12°17'44	24°27'27	8	22°64'82	12°394'0
4339	4	16°84'89	23°37'80	5	6°58'19	11°50'62	4392	10	9°04'73	25°19'30	158	19°48'59	13°186'6
4340	4*	18°23'67	22°93'62	4	7°94'85	11°00'43	4393	9	9°23'54	25°13'33	11	19°67'64	13°136'0
4341	588	19°46'99	23°154'0	528	9°19'03	11°174'1	4394				3	21°04'50	13°910'3
4342	4*	20°39'99	23°90'16	7	10°15'01	11°87'99	4395				4	21°56'93	13°189'8
4343	428	20°74'59	23°48'56	418	10°48'04	11°45'14	4396	3*	12°53'16	25°49'32	7	22°95'73	13°626'0
4344				4	11°13'88	11°17'59	4397	14	12°74'37	25°38'61	168	23°17'00	13°526'9
4345	10	21°95'48	23°97'08	15	11°70'49	11°88'29							
4346				4	12°95'83	11°22'80							
4347				4	5°174'1	12°146'1							
4348	4*	19°86'12	24°62'24	5	9°64'29	12°61'63							
4349	12	22°61'28	24°86'92	168	12°40'09	12°75'08							
4350				3	12°82'95	12°20'84							
4351	13	23°05'00	25°07'62	188	12°84'70	12°94'22							
4352	7	15°13'32	24°87'32	11	4°93'08	13°074'5							
4353	6*	17°43'82	25°39'70	9	7°25'27	13°497'9							
4354				4	10°19'68	13°046'0							
R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 10 <sup>m</sup>							R.A. 11 <sup>h</sup> 10 <sup>m</sup> to 11 <sup>h</sup> 20 <sup>m</sup>						
Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2000. 1894, April 22.							Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 3975. 1898, April 22.						
R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 70° Plate 3968. 1898, April 21.							R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 3975. 1898, April 22.						
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
4355	3*	5°48'36	14°27'32	4	16°36'75	2°13'23	4398	338	15°73'18	14°13'53	458	5°13'95	2°247'8
4356	3*	7°32'71	14°98'12	4	18°17'77	2°914'8	4399	3*	18°43'17	14°06'06	4*	7°83'36	2°060'6
4357	9	7°76'48	14°54'55	8	18°63'18	2°498'1	4400	3*	19°90'62	14°11'60	6†	9°30'91	2°054'3
4358	418	8°61'51	14°234'7	448	19°49'36	2°221'8	4401	13	19°700'6	14°700'5	188	9°12'92	2°645'9
4359	208	12°773'1	14°730'4	17	23°629'8	2°883'6	4402	14	20°299'3	14°882'9	198	9°733'5	2°803'0
4360	4	3°340'5	15°156'2	6	14°185'5	2°928'3	4403	5	20°364'8	14°104'3	4†	9°767'1	2°023'1
4361	4*	4°609'3	15°423'4	5	15°443'6	3°250'0	4404	5	22°034'0	14°959'3	14	11°470'0	2°803'6
4362	4*	6°594'5	15°354'7	4†	17°430'5	3°257'4	4405				5	9°513'0	3°626'3
4363	6	12°265'2	15°690'1	5	23°084'5	3°820'5	4406	6	21°681'4	15°911'6	138	11°159'6	3°769'4
4364	288	13°102'0	15°840'6	378	23°911'5	4°004'7	4407	8	23°259'4	15°534'2	168	12°719'6	3°325'6
4365	12	13°535'3	16°535'2	9	24°320'1	4°715'6	4408	11	23°639'2	15°469'4	218	13°098'0	3°244'2
4366	5*	3°661'7	18°097'9	6	14°389'9	5°882'1	4409	4	17°087'7	16°065'2	6	6°577'3	4°120'9
4367	8	4°663'6	17°718'5	11	15°408'5	5°5449	4410	7	17°284'6	16°845'3	13	6°806'6	4°891'3
4368	578	10°478'5	17°753'5	528	21°217'1	5°808'5	4411	4*	17°346'1	16°494'6	6	6°852'5	4°536'8
4369				4	15°270'9	6°055'2	4412				4	13°429'9	4°861'6
4370				3†	16°465'2	6°705'0	4413	4	14°991'5	16°925'2	6	4°518'7	5°072'0
4371	5	6°384'0	18°686'6	6	17°084'5	6°581'6	4414	188	15°1944	17°036'0	238	4°727'7	5°172'4
4372	6	7°533'0	18°977'0	9	18°221'3	6°916'4	4415				4	6°391'2	5°643'2
4373	268	7°8249	18°607'3	278	18°530'2	6°558'5	4416	3	17°274'8	17°180'5	4	6°810'7	5°229'8
4374	6	8°974'8	19°277'1	6	19°651'5	7°274'4	4417	14	17°349'1	17°074'0	18	6°880'6	5°117'4
4375	12	12°6249	19°7699	13	23°280'4	7°913'8	4418	5	18°191'5	17°372'4	9	7°736'6	5°377'0
4376	9	13°030'7	19°280'1	8	23°702'2	7°438'2	4419	5	18°845'4	17°519'2	11	8°394'3	5°497'2
							4420	19	19°999'0	17°467'3	238	9°544'3	5°395'8
							4421	3*	20°620'6	17°191'5	6	10°152'7	5°095'2
							4422	398	20°756'8	17°988'5	418	10°323'2	5°883'8
							4423				6	10°863'2	5°665'4
							4424	8	24°112'3	17°492'8	198	13°656'0	5°245'5
							4425	7	15°344'5	18°560'0	12	4°942'5	6°686'3
							4426				4	7°913'5	6°732'7
							4427				6	8°798'8	6°256'9
							4428				3	10°330'5	6°586'6
							4429				8	12°430'8	6°157'7



## ZONE + 69°.

R.A. 11 <sup>h</sup> 10 <sup>m</sup> to 11 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>								R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 11 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			
Plate 2000. 1894, April 22.				Plate 3975. 1898, April 22.				Plate 1960. 1894, April 8.				Plate 3975. 1898, April 22.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.
4430	6*	23°8836	18°6849	11	13°4742	6°4466	° m.	4480	7	11°4773	15°2455	15	22°3229	3°3459	° m.
4431				8	13°8491	6°9500		4481	19§	13°9433	15°4883	31	24°7786	3°6858	
4432				4†	5°2223	7°8738		4482	3*	3°8500	17°0963	7	14°6298	4°8912	
4433				5	10°2103	7°8951		4483	3*	5°9054	16°1393	5	16°7232	4°0130	
4434				4	4°8016	8°2964		4484				4	18°3898	4°9045	
4435				7	5°6542	8°1492		4485	42§	8°9396	16°1380	49§	19°7554	4°1352	69 611 8.9
4436	28§	16°0756	20°2155	32§	5°7448	8°3101		4486	4†	11°3694	16°8138	5	22°1512	4°9075	
4437	5	16°5454	19°9895	10	6°2037	8°0650		4487	6	13°8687	16°3859	7*	24°6694	4°5784	
4438	3†	14°2705	21°5333	5	3°9960	9°3038		4488				6	14°8401	5°5289	
4439	18	17°4741	21°7146	19	7°2011	9°7476		4489				6	14°9795	5°3791	
4440				10	11°3761	9°1644		4490	34§	10°1809	17°3351	45§	20°9490	5°3830	69 612 9.0
4441				7	13°4612	9°0529		4491	6	11°2395	17°4060	8	22°0000	5°4950	
4442				7	13°6270	9°9363		4492				6	14°0723	6°5952	
4443				4	3°9263	10°5112		4493				7	14°6388	6°1917	
4444	29§	15°4155	22°8048	35§	5°1945	10°9255	69 604 9.2	4494	3*	4°0847	18°5206	9	14°8072	6°3250	
4445	4†	15°9677	22°5405	6	5°7373	10°6380		4495				6	15°8236	6°6452	
4446				6	8°2567	10°6152		4496	5	5°4710	18°2721	9	16°1995	6°1318	
4447				6	8°2928	10°3568		4497	3*	9°2915	18°3783	6	20°0150	6°3876	
4448				4	10°3586	10°4967		4498	32§	10°4322	18°5847	43§	21°1490	6°6396	69 614 9.3
4449	6*	23°3904	23°1046	17§	13°1730	10°8828		4499	15§	11°2472	18°2087	24§	21°9798	6°2963	
4450	57§	14°2069	23°1575	59§	3°9993	11°3271	70 654 8.3	4500	26§	6°8721	19°5042	33§	17°5568	7°4166	69 609 9.5
4451				4	11°3124	11°1679		4501	26§	8°0033	19°6019	39§	18°6804	7°5616	69 610 9.4
4452	12	14°2557	24°1885	18§	4°0953	12°3556		4502				5	18°9331	7°7938	
4453				6	4°2927	12°5753		4503	4	8°3274	19°5424	7	19°0060	7°5150	
4454	22	14°6958	24°6104	26§	4°5518	12°7593		4504				4	19°5494	7°5906	
4455	22§	15°8915	24°7541	24§	5°7525	12°8532		4505				3	21°5501	7°1426	
4456				4	5°9503	12°9317		4506	34§	10°9950	19°8695	44§	21°6606	7°9493	69 615 9.0
4457				9	6°2598	12°0398		4507	4	11°7614	19°3131	9	22°4493	7°4214	
4458				10	7°4243	12°9893		4508				5	14°3158	8°6888	
4459				6	11°1342	12°6848		4509	11	3°6988	20°7946	18§	14°3317	8°5826	
4460				7	11°8372	12°1246		4510	5	3°7733	20°8822	8	14°4008	8°6733	
4461				5	11°8921	12°8506		4511				4	15°6685	8°2893	
4462				5	13°1155	12°6739		4512	3	6°0493	20°2955	8	16°6997	8°1774	
4463	11	15°6094	25°5553	20§	5°5066	13°6650		4513	19	6°3269	20°6864	23§	16°9636	8°5778	
4464				3	8°6312	13°8553		4514				4	17°0095	8°5410	
4465	10	18°8039	25°2193	19§	8°6822	13°1932		4515	6	7°3993	21°0490	13	18°0173	8°9850	
4466	40§	18°8392	25°2506	38§	8°7193	13°2231	70 656 9.3	4516	3*	7°5383	20°9209	6	18°1614	8°8566	
	79§	26°5262	14°0220				69 608 8.2	4517	7	8°0160	20°7856	11	18°6454	8°7445	
	58§	25°2636	15°7337				69 607 8.5	4518	3*	8°6093	20°6670	6	19°2427	8°6483	
								4519	40§	10°3558	20°9474	45§	20°9788	8°9995	69 613 8.8
								4520	9	11°4074	20°4060	18	22°0510	8°4987	
								4521	17	13°4043	20°8214	30§	24°0275	8°9943	
								4522				4	14°0910	9°0140	
								4523	6	5°8621	22°0238	13§	16°4417	9°8959	
								4524	16	6°1955	21°5670	20§	16°7975	9°4529	
								4525				3	18°4908	9°7243	
								4526				4	19°6146	9°3927	
								4527	16	9°1720	21°2027	20§	19°7801	9°2053	
								4528	7	9°6250	21°0786	14	20°2425	9°1014	
								4529	8	11°0720	21°5260	14	21°6696	9°6056	
								4530				4	17°3844	10°9184	
								4531	3*	9°7431	22°3036	10	20°3103	10°3309	
								4532	3*	11°2057	22°0273	7	21°7836	10°1145	
								4533				4	15°3180	11°9890	
								4534	18	7°6016	23°5649	21§	18°1217	11°5025	
								4535				6	19°9910	11°8647	
								4536				4†	21°5308	11°7980	
								4537	5	12°0317	23°8485	16	22°5374	11°9633	
								4538	19	12°5587	23°6170	23§	23°0707	11°7521	

## ZONE + 69°.

R.A. 11 <sup>h</sup> 20 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 11 <sup>h</sup> 30 <sup>m</sup> to 11 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 3975. 1898, April 22.			Centre R.A. 11 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 1960. 1894, April 8.			R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3984. 1898, April 24.								
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.
4539	13†	3°6709	24°5716	19§	14°1529	12°3537			4591	3	19°9070	19°1365	6	9°4238	7°1471		
4540				6	16°6108	12°4502			4592				6	13°7963	7°5993		
4541	3*	7°4718	24°4838	7	17°9553	12°4161			4593				4	6°2768	8°6347		
4542	20	7°7985	24°6865	25§	18°2754	12°6329	70 663	9.4	4594				+	6°6260	8°6655		
4543	13	8°0568	24°0465	18§	18°5587	12°0055			4595	8	18°2003	20°5836	14	7°7788	8°6659		
4544	108§	9°3040	24°5834	120§	19°7819	12°5894	70 665	3.3	4596	40§	19°0347	20°7375	56§	8°6163	8°7850	69 620	8.5
4545	8	12°0473	24°4400	17§	22°5267	12°5552			4597	43§	19°9620	20°0772	62§	9°5173	8°0858	69 622	8.7
4546	31§	13°0250	24°4243	41§	23°5069	12°5770	70 668	9.3	4598	4	20°8909	20°1301	11	10°4483	8°0993		
4547				6	18°0530	13°7517			4599	4*	22°8906	20°7766	8	12°4698	8°6575		
4548				3	19°5721	13°2652			4600				+	13°3015	8°7571		
4549				5	19°7228	13°8879			4601				6	6°8056	9°7979		
4550				9	21°5509	13°5606			4602				4	11°4168	9°7464		
4551				3	22°0488	13°7639			4603	5*	22°4858	21°7280	12	12°1071	9°6291		
4552				5†	23°2077	13°5315			4604	37§	22°7100	21°9180	34§	12°3398	9°8088	69 623	9.5
									4605				4	13°0153	9°1652		
									4606				8	13°2501	9°4703		
									4607				26§	13°3905	9°6436		
									4608	14	23°7653	21°7923	8	13°8005	9°8001		
									4609	3*	15°7843	22°4742	4	5°4450	10°6532		
									4610	9	15°8301	22°1726	21	5°4799	10°3544		
									4611				3	6°1347	10°6390		
									4612	3*	19°0365	22°5815	5	8°6965	10°6252		
									4613				4	9°4765	10°7114		
									4614	10	22°1755	23°0233	22§	11°8509	10°9371		
									4615				5	6°8003	11°7070		
									4616	36§	18°3411	23°7557	41§	8°0550	11°8270	70 672	9.5
									4617	5†	20°1067	23°5338	12	9°8068	11°5349		
									4618				6	10°0833	11°5281		
									4619				4	12°1632	11°5875		
									4620	98§	14°1739	24°4937	122§	3°9228	12°7432	70 670	5.2
									4621	3*	14°4196	24°0409	7	4°1475	12°2767		
									4622	36§	14°5442	23°8255	45§	4°2617	12°0578	70 671	9.2
									4623	7	18°2601	23°9406	17	7°9795	12°0155		
									4624				4	9°8108	12°5135		
									4625				4	10°7077	12°3811		
									4626	15	23°0143	24°1564	26§	12°7376	12°0333		
									4627				3	8°4569	13°8711		
									4628				8	9°2140	13°6991		
									4629				6	9°2288	13°8050		
									4630				10	9°8408	13°2547		
									4631	9	22°8485	25°5177	23§	12°6299	13°3995		
									4632				10	13°1593	13°3850		
									4633				4	13°4660	13°9465		
									R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup>								
Centre R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.			R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3984. 1898, April 24.														
No.	Diam.	z.	y.	No.	Diam.	z.	y.	No.	Diam.	z.	y.	No.	Diam.	z.	y.	No.	Mag.
4634	5	5°5043	14°7886	6	16°1793	2°6432			4634	5	5°5043	14°7886	6	16°1793	2°6432		
4635	10	9°8206	14°3920	15	20°5086	2°4288			4635	10	9°8206	14°3920	15	20°5086	2°4288		
4636	23§	13°6550	14°3048	38	24°3449	2°4684	69 630	9.5	4636	23§	13°6550	14°3048	38	24°3449	2°4684	69 630	9.5
4637	17§	4°5259	15°2040	20	15°1860	3°0155			4637	17§	4°5259	15°2040	20	15°1860	3°0155		
4638	3	4°8058	15°7909	5	15°4427	3°6136			4638	3	4°8058	15°7909	5	15°4427	3°6136		
4639	3*	5°1777	15°3656	3†	15°8310	3°2046			4639	3*	5°1777	15°3656	3†	15°8310	3°2046		
4640	4	12°9875	15°8913	5*	23°6125	4°0270			4640	4	12°9875	15°8913	5*	23°6125	4°0270		
4641	30§	5°2048	16°3664	42§	15°8221	4°2042	69 626	9.5	4641	30§	5°2048	16°3664	42§	15°8221	4°2042	69 626	9.5
4642	12	6°8989	16°8944	15	17°4922	4°7959			4642	12	6°8989	16°8944	15	17°4922	4°7959		
4643	7	7°0113	17°0748	14	17°6001	4°9808			4643	7	7°0113	17°0748	14	17°6001	4°9808		

No. 4544.  $\lambda$  Draconis.

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.



## ZONE + 69°.

R.A. 11 <sup>h</sup> 40 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.				R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3984. 1898, April 24.				Centre R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3956. 1898, April 16.				R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3990. 1898, April 27.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.							Mag.	No.							Mag.
+644	4	9°1791	16°9353	5	19°7711	4°9240		4703	10	16°3211	14°3709	7	5°5323	2°5685	
+645	4	12°2295	16°4753	3*	22°8367	4°5837		4704	11	17°9903	14°9495	13	7°2208	3°0731	
+646	6	13°2166	16°4372	8	23°8250	4°5840		4705	17§	18°0854	14°6431	15	7°3037	2°7622	
+647	13	3°7206	17°9755	17	14°2784	5°7538		4706	22§	19°1902	14°7701	22§	8°4135	2°8427	
+648				3	15°1777	5°4968		4707	4	20°9875	14°4702	4	10°1936	2°4648	
+649	4	9°6748	17°8345	6	20°2317	5°8397		4708	10	24°6085	14°6856	8	13°8204	2°5244	
+650	3	12°7719	17°5981	3*	23°3360	5°7256		4709	23§	14°2498	15°0150	26§	3°4893	3°3013	
+651	4	4°4815	19°0752	5*	14°9957	6°8836		4710	14	14°3879	15°6354	12	3°6546	3°9160	
+652				3	15°7513	6°8951		4711	20§	15°0399	15°3110	25	4°2901	3°5616	
+653	4†	6°0290	18°3362	5	16°5678	6°2067		4712	3	15°0806	15°8947				
+654	21§	6°3599	18°9245	25§	16°8767	6°8035		4713	3	16°8445	15°5574				
+655	81§	9°7916	18°7078	85§	20°3177	6°7206	69 628 7°0	4714	13§	17°9995	15°0857	25§	7°2406	3°2086	
+656	2*	11°4129	18°3541	2*	21°9507	6°4308		4715	15§	18°0088	15°0867				
+657	2	13°3165	18°4725	4	23°8487	6°6192		4716	3	19°7991	15°6423				
+658	40§	3°7601	19°8751	47§	14°2419	7°6575	69 625 8°3	4717	7	21°0989	15°6483	8	10°3589	3°6350	
+659	6	12°2537	19°3327	10	22°7522	7°4397		4718	17	23°2561	15°9868	20	12°5282	3°8787	
+660	5	5°0120	20°6829	7	15°4617	8°5104		4719	9	16°3664	16°5175	11	5°6692	4°7084	
+661				3	17°6800	8°5660		4720	4	18°3861	16°4085	3*	7°6804	4°5146	
+662	7	8°3645	20°3918	13	18°8232	8°3474		4721	5	22°1422	16°3740	4	11°4340	4°3141	
+663				4	19°1563	8°0180		4722	11	22°5004	16°2948	8	11°7871	4°2195	
+664	3	8°7501	20°0838	4	19°2207	8°0538		4723	5	22°5143	16°3001	4	11°8013	4°2248	
+665	21§	10°3077	20°2516	31§	20°7710	8°2824		4724	13	23°3249	16°3352	10	12°6119	4°2248	
+666	11	13°7348	20°8019	12	24°1746	8°0653		4725	3	17°8096	17°9128	3*	7°1716	6°0439	
+667	4	4°4652	21°6943	9	14°8787	9°5010		4726	6	17°9451	17°8472	6	7°3036	5°9688	
+668	4	6°6501	21°4044	7	17°0730	9°2935		4727	4*	24°4156	17°1749	6	13°7373	5°0155	
+669	2*	11°7169	21°2226	4†	22°1412	9°3080		4728	32§	14°6099	18°7168	32§	4°0103	6°9835	69 631 9°5
+670	2	12°5603	21°0933	4	22°9895	9°2109		4729	5	15°1056	18°8971	4	4°5129	7°1429	
+671	4	13°9310	21°3542	6	24°3504	9°5235		4730	4	15°9096	18°0497	3	5°2782	6°2632	
+672	19	4°3279	22°3376	22§	14°7137	10°1373		4731	40§	17°4734	18°0722	40§	6°8424	6°2158	69 633 8°8
+673				4	14°8180	10°7287		4732	6	18°0020	18°2022	6	7°3776	6°3220	
+674				3	15°0638	10°8161		4733	10	14°3180	19°0585	11	3°7300	7°3385	
+675				4	15°3804	10°4557		4734	4*	14°3248	19°0804	4*	3°7401	7°3594	
+676	7	5°0822	22°4039	15	15°4675	10°2313		4735	8	16°9378	19°5321	8	6°3688	7°6960	
+677	6	5°1295	22°3203	11	15°5179	10°1505		4736	6	17°5099	19°1598	6	6°9263	7°2993	
+678	13	6°0120	23°0953	17§	16°3700	10°9575		4737	16	17°6430	19°8654	17§	7°0903	8°0000	
+679				3	17°3036	10°8138		4738	3†	18°5215	19°7964	4	7°9670	7°8937	
+680	25§	7°1194	22°8060	30§	17°4873	10°7152	69 627 9°5	4739	15§	18°7091	19°2458	15	8°1257	7°3337	
+681	4	8°1882	22°6813	9	18°5593	10°6294		4740	27§	18°7921	19°0835	25§	8°2048	7°1660	69 634 9°4
+682				3†	19°3529	10°9935		4741	22§	20°8500	19°6240	20§	10°2815	7°6167	
+683	4	11°8360	22°0733	7	22°2296	10°1623		4742	6	21°0900	19°8147	5	10°5292	7°7976	
+684				4	16°0815	11°4633		4743	4	21°3956	19°4561	4	10°8200	7°4272	
+685				6	16°4080	11°5495		4744	9	22°5633	19°4972	6	11°9890	7°4157	
+686	3†	7°1912	23°9538	7	17°5149	11°8611		4745	4	22°9606	19°4451	4	12°3836	7°3479	
+687	15	13°0363	23°2056	19	23°3824	11°3405		4746	5†	24°1788	19°0709	6	13°5823	6°9185	
+688				3	16°1335	12°2522		4747	4	14°8496	20°4344	4	4°3219	8°6856	
+689	40§	6°7500	24°3667	44§	17°0588	12°2612	70 675 9°2	4748	10	19°0033	20°6510	15	8°4831	8°7256	
+690	6	7°0690	24°4005	13	17°3739	12°3040		4749	58§	23°1598	20°0573	49§	12°6099	7°9515	69 639 8°0
+691				4	18°6013	12°2871		4750	15	15°4589	21°8807	9	4°9948	10°1071	
+692				6	21°3902	12°9875		4751	16	18°7571	21°1793	13§	8°2601	9°2641	
+693	3*	13°3265	24°0211	3*	23°6394	12°1641		4752	35§	18°8186	21°2607	31§	8°3239	9°3427	69 635 8°9
+694				5	14°7840	13°3590		4753	3*	19°4266	21°0873	3	8°9255	9°1427	
+695	10	4°6841	25°6456	18	14°9438	13°4585		4754	67§	22°9900	21°0680	64§	12°4858	8°9698	69 638 6°6
+696				6	15°2643	13°0155		4755	6	16°2185	22°4093	6	5°7769	10°6049	
+697	4*	6°3200	25°5441	5	16°5851	13°4159		4756				3	7°6947	10°2331	
+698				3	17°8268	13°4856		4757	6	18°7899	22°0243	6	8°3290	10°1046	
+699				5	18°4719	13°8089		4758	6	19°1588	22°2273	5	8°7045	10°2938	
+700				3	18°7998	13°8155		4759	3*	19°3503	22°5054	2	8°9118	10°5613	
+701	8	8°6263	25°0930	11	18°9026	13°0515		4760	6	19°9723	22°3111	6	9°5240	10°3395	
+702	18§	8°6710	25°2579	24§	18°9458	13°2238		4761	26§	14°8073	23°3727	25§	4°4095	11°6260	70 678 9°5

## ZONE + 69°.

R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 11 <sup>h</sup> 50 <sup>m</sup> Dec. +69°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			
Plate 3956. 1898, April 16.				Plate 3990. 1898, April 27.				Plate 3964. 1898, April 18.				Plate 3990. 1898, April 27.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
4762	9	15°2024	23°1687	8	4°7959	11°4048	° m.	4810	3	10°5149	19°7543	3	20°9760	7°8632	° m.
4763	16	17°3086	23°7185	13§	6°9223	11°8629		4811	21	11°3815	19°2723	15	21°8615	7°4151	69 650 9°5
4764	75§	19°7597	22°9658	78§	9°3390	11°0040	69 636 7°0	4812	25§	11°8736	19°6893	24§	22°3367	7°8510	69 651 9°1
4765	12	14°7267	23°7933	12	4°3484	12°0495		4813	2*	5°1871	20°2140	3	15°6316	8°1226	
4766				6	10°6108	12°6465		4814	20	6°8388	20°5040	19§	17°2722	8°4709	
4767				4	4°2732	13°6825		4815	4*	7°4779	20°6150	3	17°9060	8°6077	
4768	3*	15°7733	25°0059	3	5°4471	13°2187		4816	12	7°5195	20°3544	10	17°9598	8°3503	
4769	6	16°2097	25°0075	8	5°8803	13°1973		4817	28§	7°7885	20°4543	26§	18°2243	8°4580	69 646 9°3
4770	4*	18°1938	25°8154	4	7°9000	13°9188		4818	3*	10°4309	20°7896	3	20°8525	8°8964	
4771	13	18°6727	25°0778	11	8°3479	13°1619		4819	56§	5°8845	21°6994	54§	16°2759	9°6332	69 645 7°8
4772	20§	19°1858	24°9883	16§	8°8542	13°0490		4820	(24§)	5°8855	21°6466	(20§)	16°2777	9°5787	
4773	12	20°7700	25°4326	13	10°4547	13°4234		4821	4*	6°7991	21°0355	4	17°2126	9°0045	
4774	10	20°9415	25°3880	10	10°6253	13°3733		4822	2*	11°6526	21°2465	2*	22°0611	9°3971	
4775	4*	21°7808	25°0764	4	11°4527	13°0260		4823	5	3°9006	22°2363	6	14°2714	10°0933	
4776				3	11°7708	13°0826		4824	19	5°5474	22°0925	14	15°9209	10°0215	
4777				4	11°7866	13°6161		4825	6	6°1095	22°8391	5	16°4551	10°7800	
								4826	3	8°2405	22°4923	3	18°6010	10°5134	
	91§	25°7785	17°3303				69 644 7°0	4827	2*	9°7224	22°8221	3*	20°0701	10°8981	
	55§	25°2399	18°0273				69 641 8°2	4828	6	10°8292	22°2058	6	21°1960	10°3280	
	71§	25°2181	18°4525				69 642 7°5	4829	12	11°1880	22°7469	9	21°5341	10°8820	
	46§	25°6387	18°4891				69 643 9°0	4830	36§	12°9400	22°5538	33§	23°2912	10°7527	69 653 9°3
								4831	9	12°9865	22°1880	8	23°3517	10°3914	
								4832	3	7°6651	23°5985	3	17°9818	11°6005	
								4833	5	8°0508	23°6143	6	18°3678	11°6257	
								4834	18	11°4581	23°8813	11	21°7604	12°0245	
								4835	10	12°1923	23°0358	7	22°5280	11°2071	
								4836	3	13°5793	23°4146	4	23°8970	11°6388	
								4837				2	16°0218	12°4015	
								4838	5	9°1569	24°7443	6	19°4267	12°7991	
								4839	3	11°9058	24°5928	4	22°1818	12°7494	
								4840	26	6°9230	25°4749	24§	17°1702	13°4450	
								4841	15	8°0493	25°2482	12	18°3018	13°2602	
								4842				2	18°7910	13°1043	
								4843	11	9°1520	25°7756	10	19°3865	13°8292	
								4844	2*	10°9656	25°3825	3	21°2108	13°5037	
								4845	5	13°1707	25°6115	6	23°4067	13°8164	
									57§	2°1567	20°1608				69 639 8°0
									70§	2°0707	21°1826				69 638 6°6
R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup>								R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup>							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			
Plate 3964. 1898, April 18.				Plate 3990. 1898, April 27.				Plate 3964. 1898, April 18.				Plate 2531. 1895, April 11.			
4778	3	7°3803	14°5144	2*	18°0381	2°5084	° m.	4846	22§	15°4032	14°7198	16	4°5603	2°7754	° m.
4779	40§	13°3425	14°8816	47§	23°9880	3°1023	69 654 9°3	4847	6	15°5772	14°4355				
4780	3†	3°7712	15°2523	3	14°4089	3°1075		4848	20	24°7157	14°0682	11	13°8332	1°6278	
4781	10	4°3059	15°9353	9	14°9160	3°8110		4849	16	14°0243	15°7768	8	3°2230	3°7911	
4782	3	6°4444	15°7694	2	17°0583	3°7270		4850	9	14°0422	15°7582	5*	3°2382	3°7690	
4783	47§	8°5305	15°4825	45§	19°1581	3°5178	69 647 8°3	4851	45§	18°4499	15°4318	35§	7°6275	3°2556	69 659 8°8
4784	3	8°9385	15°1298	3*	19°5742	3°1813		4852	13	19°1979	15°4249	5	8°3761	3°2185	
4785	47§	10°9983	15°9115	56§	21°6053	4°0403	69 649 8°5	4853	9	21°2513	15°1859	4*	10°4196	2°8889	
4786	7	7°9288	16°5248	6	18°5137	4°5382		4854	64§	22°9211	15°0865	45§	12°0842	2°7205	69 661 8°0
4787	8	8°8209	16°9940	7	19°3867	5°0403		4855	21§	18°3408	16°2381	15	7°5560	4°0677	69 658 9°3
4788	2	10°2111	16°2842	2*	20°8034	4°3864		4856	15	24°2484	16°1701	8	13°4533	3°7463	
4789	3	12°1546	16°4546					4857	13	14°5274	17°1556	6	3°7809	5°1448	
4790	50§	4°0660	17°9668	41§	14°5998	5°8342	69 641 8°2	4858	7	14°8983	17°8586	4*	4°1848	5°8312	
4791	81§	4°5456	17°2270	68§	15°1075	5°1111	69 644 7°0								
4792	6	7°7100	17°5509	6	18°2585	5°5546									
4793	3	7°7692	17°2574	2†	18°3269	5°2662									
4794	9	8°4458	17°0895	7	19°0095	5°1224									
4795	57§	9°5324	17°1645	45§	20°0940	5°2373	69 648 8°5								
4796	4	11°2244	17°3705	4	21°7744	5°5106									
4797	3	13°3616	17°3851	2*	23°9146	5°6040									
4798	4	13°6899	17°4191												
4799	5	3°9293	18°7094	5	14°4311	6°5695									
4800	68§	4°0800	18°3938	61§	14°5990	6°2588	69 642 7°5								
4801	20	4°0870	18°3620	18	14°6045	6°2249									
4802	34§	4°5003	18°3949	29§	15°0190	6°2782	69 643 9°0								
4803	11	4°5089	18°2162	11	15°0313	6°1001									
4804				2*	16°0181	6°3672									
4805	4*	5°5101	18°4495	3*	16°0276	6°3747									
4806	17§	6°6310	18°5663	16§	17°1413	6°5289									
4807	6	7°3285	18°5872	5	17°8377	6°5768									
4808	6	8°4794	19°6780	6	18°9463	7°7126									
4809	6	9°5603	19°3752	5	20°0375	7°4470									

No. 4820. Plate 3964, 3990. The 6<sup>min</sup>. image falls partly on the 3<sup>min</sup>. image of No. 4819. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. +69°, and 58°.5 at Dec. +70°.



## ZONE + 69°.

R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°				R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 70°			
Plate 3964. 1898, April 18.				Plate 2531. 1895, April 11.				Plate 4001. 1898, May 12.				Plate 2531. 1895, April 11.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°							
Plate 3964. 1898, April 18.								Plate 4001. 1898, May 12.							
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 20 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								Centre R.A. 12 <sup></sup>							

## ZONE + 69°.

R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 40 <sup>m</sup> —contd.							R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 40 <sup>m</sup> —contd.						
Centre		R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre		R.A. 12 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		
Plate 4001. 1898, May 12.				Plate 3995. 1898, April 30.			Plate 4001. 1898, May 12.				Plate 3995. 1898, April 30.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
4963	10	23°7068	16°4483	24§	13°1118	4°2498	5022				4	13°3694	12°2191
4964				8	13°3987	4°3382	5023	11	19°0100	25°6688	26§	8°7937	13°6561
4965				4	13°4262	4°9203	5024				3	10°1506	13°1755
4966				3†	6°5197	5°8258	5025				3	10°7237	13°7141
4967	2*	18°5080	17°7064	8	7°9698	5°7214	R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup>						
4968				3†	8°2371	5°4580	Centre		R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		
4969				5	8°9593	5°9007	Plate 3087. 1896, April 21.		Plate 3995. 1898, April 30.				
4970	2†	21°2765	17°6660	8	10°7314	5°5655	5026	12	8°7133	14°5520	22§	19°5378	2°6282
4971				18§	11°4440	5°2432	5027	2	3°4463	15°4249	3	14°2423	3°3024
4972				7	12°5383	5°1554	5028	18§	4°2208	15°8401	24§	15°0010	3°7439
4973	5	23°1496	17°3369	16§	12°5899	5°1605	5029	3*	4°7327	15°2195	4*	15°5353	3°1445
4974				4	6°3150	6°8906	5030	5	6°4119	15°0288	7	17°2213	3°0140
4975	41§	20°4203	18°3153	66§	9°9050	6°2507	5031	6	7°5706	15°1607	8	18°3744	3°1890
4976	8	21°7341	18°1571	18	11°2108	6°0390	5032	15	8°5539	15°6084	19	19°3394	3°6769
4977	3	14°8189	18°8420	10	4°3277	7°0045	5033	4	8°5706	15°6241	7	19°3536	3°6942
4978				4	5°1733	7°8114	5034	4	11°5320	15°5043	5	22°3215	3°6842
4979	4	19°4123	20°0098	18§	8°9658	7°9848	5035	4	12°8798	15°5288	4*	23°6642	3°7604
4980				4	10°5523	7°5049	5036	2†	12°9851	15°2025	2*	23°7795	3°4444
4981	21§	22°1524	19°7247	35§	11°6912	7°5874	5037	4	3°8785	17°0168	5	14°6114	4°9070
4982	13	22°6648	19°8807	23§	12°2101	7°7212	5038				3	14°8464	4°3642
4983	22§	14°1428	20°2296	44§	3°7100	8°4198	5039	2*	4°4651	16°2303	4	15°2289	4°1438
4984	4	15°3076	20°3160	18§	4°8762	8°4588	5040	7	7°2725	16°9808	10	18°0075	4°9990
4985	43§	15°7197	20°8240	71§	5°3105	8°9478	5041	4	9°6318	16°8670	5	20°3691	4°9760
4986	8	16°3300	20°0290	22§	5°8875	8°1298	5042	8	11°6429	16°1000	10	22°4079	4°2845
4987	4	19°3304	20°8220	12§	8°9165	8°7982	5043	6	13°7760	16°1287	6	24°5397	4°3957
4988	4	20°2885	20°9205	15§	9°8772	8°8588	5044	6	6°7030	17°6397	8	17°4132	5°6355
4989	4	21°2902	20°4053	9§	10°8595	8°3030	5045	4	7°2458	17°5421	5	17°9590	5°5579
4990	4*	21°6015	20°8498	12§	11°1865	8°7359	5046	3*	11°3462	17°7421	3*	22°0465	5°9132
4991	3*	21°8778	20°9173	9§	11°4616	8°7872	5047	3	12°1143	17°4919	6	22°8264	5°6964
4992				4	13°7858	8°8186	5048				3	15°1239	6°3289
4993	3*	16°6504	21°8453	8	6°2818	9°9312	5049				4	16°4634	6°5649
4994				5	7°7396	9°3757	5050	10	6°0133	18°0420	13§	16°7100	6°0130
4995				8	9°5688	9°7766	5051	11	6°0958	18°7519	15§	16°7641	6°7253
4996				6	11°3799	9°5563	5052	4*	6°1308	18°6869	7	16°8007	6°6638
4997				8	12°0520	9°3414	5053				3	17°0927	6°7057
4998				11	13°6090	9°8980	5054	5	8°8667	18°0918	9§	19°5575	6°1704
4999				5	3°6705	10°0138	5055	3	11°2354	17°9608	5	21°9318	6°1262
5000				6	4°1104	10°8074	5056	3	11°7510	18°4663	4	22°4255	6°6541
5001				4	7°4367	10°3907	5057	2*	11°7604	17°8821	3	22°4568	6°0722
5002				5	7°7711	10°2540	5058	3†	3°4173	19°8833	6	14°0418	7°7541
5003				4	8°8830	10°9695	5059	2*	5°0212	19°2708	3	15°6696	7°2044
5004	4	20°3123	22°2250	12§	9°9583	10°1577	5060	14	6°7500	19°0125	16§	17°4060	7°0088
5005				3	12°0730	10°6776	5061	8	8°7619	19°3905	11	19°4022	7°4637
5006				4	12°8717	10°5543	5062	2	10°4024	19°2868	4	21°0485	7°4233
5007				6	5°5303	11°1593	5063	2	10°6882	19°5061	4	21°3239	7°6560
5008				4	5°6836	11°7290	5064	3	11°7691	19°5825	4†	22°4015	7°7730
5009				4	7°1900	11°5676	5065	30§	3°3960	20°1913	27§	14°0105	8°0587
5010				4	7°4493	11°4056	5066	2*	4°5352	20°6526	3†	15°1297	8°5671
5011				4	8°8901	11°3258	5067	5	6°2262	20°2603	6	16°8344	8°2348
5012				4	8°8988	11°0160	5068	3*	10°4972	20°1280	3	21°1095	8°2668
5013				10	12°1461	11°9561	5069	3	11°2152	20°4266	3	21°8177	8°5941
5014				4	13°0778	11°7399	5070	6	13°1972	20°6295	11	23°7904	8°8711
5015				8	5°8923	12°3757	5071	11	5°3530	21°1824	13§	15°9291	9°1249
5016				4	6°1999	12°3837	5072	7	7°0743	21°7477	3	17°6269	9°7556
5017				8	6°6803	12°4363	5073	5	7°4912	21°0183	7	18°0698	9°0435
5018				6	6°7115	12°3417	5074				3	18°2103	9°5081
5019	3†	17°2900	24°4631	12§	7°0245	12°5174							
5020				9	10°5375	12°6668							
5021				12	12°0773	12°7792							

1 réseau interval represents very nearly  $5' = 55^{\circ}.8$  of R.A. at Dec. + 69°, and  $58^{\circ}.5$  at Dec. + 70°.



## ZONE + 69°.

R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.						
R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 12 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3995. 1898, April 30.							Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
5075	24§	8.0385	21.9126	24§	18.5843	9.9551	5127	15	19.3841	16.5709	14	8.8355	4.6183
5076				3	18.6539	9.5376	5128	5	20.7376	16.6249	4	10.1898	4.6147
5077	9	8.8993	21.7371	12	19.4510	9.8144	5129	5	21.1130	16.7667	6	10.5696	4.7414
5078	2*	9.7130	21.8176	3	20.2610	9.9270	5130	10	23.2306	17.0930	9	12.7012	4.9740
5079	10	10.3869	21.6330	15§	20.9653	9.1675	5131	4*	23.6499	16.7739	4†	13.1077	4.6344
5080	16	10.5869	21.0300	20§	21.1645	9.1715	5132	6	16.8046	17.6082	6	6.3014	5.7685
5081	3*	11.8881	20.9046	4	22.4691	9.0945	5133	60§	18.7560	16.9272	54§	8.2235	5.0038
5082	10	13.4623	21.2455	14§	24.0278	9.4974	5134	55§	19.5465	17.8035	50§	9.0473	5.8450
5083				3	14.2536	10.9231	5135				4	9.6634	6.8957
5084	2*	3.9687	22.4539	6	14.4953	10.3453	5136	4	20.1268	18.8371	4	9.6761	6.8502
5085	12	5.6345	22.8406	12§	16.1477	10.7941	5137	6	21.5060	18.2241	6	11.0263	6.1783
5086				3	16.3598	10.5692	5138	19	22.2016	18.2390	16§	11.7231	6.1630
5087				3	17.5099	10.8211	5139	9	24.3641	18.5374	9	13.8939	6.3645
5088	3	7.3659	22.4315	5	17.8919	10.4490	5140	4	17.2862	19.2197	5	6.8543	7.3564
5089	21§	8.8079	21.9803	21§	19.3491	10.0545	5141	4	17.5630	19.5471	5	7.1432	7.6737
5090	15	9.3824	22.4726	14§	19.9036	10.5680	5142	6	17.9485	19.6963	7	7.5382	7.8037
5091	20	9.9545	22.0135	23§	20.4963	10.1324	5143	24§	18.0524	19.5561	22§	7.6334	7.6581
5092	2*	9.9917	22.0721	3	20.5277	10.1931	5144	3*	20.7257	19.7715	5	10.3165	7.7573
5093	32§	6.0875	23.9098	28§	16.5592	11.8768	5145				4	12.7317	7.2672
5094				3	17.5143	11.9051	5146	6	23.2022	19.3259	6	12.7696	7.2038
5095	3	7.6248	23.9208	6	18.0927	11.9473	5147				5	13.8063	7.9870
5096	22	8.3052	23.8642	21§	18.7762	11.9179	5148				4	13.8441	7.4654
5097	3*	9.4196	23.7477	5	19.8927	11.8451	5149	4	14.9815	20.4663	5	4.6087	8.7041
5098	32§	3.5880	24.6531	23§	14.0300	12.5260	5150	32§	17.4353	20.6611	27§	7.0655	8.7920
5099	29	4.9028	24.5214	20§	15.3496	12.4461	5151	26§	19.7755	20.8415	24§	9.4126	8.8697
5100				3	16.4965	12.2377	5152	18	21.0707	20.2495	14	10.6800	8.2223
5101				3	16.5808	12.5358	5153	22§	21.3988	20.0593	21§	10.9990	8.0170
5102	22	7.1226	24.1571	15§	17.5836	12.1647	5154	40§	22.6321	20.5005	31§	12.2508	8.4045
5103	3	7.2865	24.9158	6	17.7143	12.9325	5155	3*	19.5572	21.9428	4	9.2388	9.9758
5104				3	18.2545	12.6405	5156				4	13.7306	9.2621
5105	27§	10.4219	24.0665	29§	20.8832	12.1978	5157	3	16.2437	21.9985	4	5.9333	10.1809
5106	68§	11.2011	24.0015	78§	21.6654	12.1636	5158	4*	16.5079	22.4053	5	6.2168	10.5721
5107	4	11.7640	23.9403	6	22.2279	12.1255	5159	20§	17.8476	22.8363	15	7.5746	10.9445
5108	2*	13.6957	24.6225	4	24.1296	12.8818	5160	4	19.1302	22.3786	5	8.8340	10.4348
5109				4	16.4083	13.5174	5161	13	20.2953	22.6623	9§	10.0103	10.6644
5110				3	17.3798	13.1816	5162	33§	21.5860	22.8907	24§	11.3098	10.8358
5111	4*	10.3153	25.1326	6	20.7381	13.2632	5163	4*	15.0159	22.8508	6	4.7489	11.0845
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5164	4	15.2551	23.1190	6	4.9953	11.3419
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5165	4*	18.8014	23.1959	4	8.5402	11.2609
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5166	29§	19.8842	23.7934	25§	9.6488	11.8144
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.							5167				4	10.4606	11.9312
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5168	3*	21.2071	23.6937	6	10.9668	11.6564
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5169				6	13.4472	11.8773
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5170				4	13.9443	11.0550
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.							5171	6	15.4902	24.2101	6	5.2784	12.4212
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5172				7	8.7789	12.1935
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5173	4*	19.7874	24.3801	4	9.5772	12.4016
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5174	9	21.3424	24.6878	10	11.1428	12.6419
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.							5175				4	11.6199	12.7538
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5176				6	12.4708	12.4845
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5177				4	12.8055	12.8077
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5178				4	13.8042	12.5277
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.							5179	3*	15.3567	25.4275	5	5.1985	13.6445
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5180	7†	16.8788	25.7704	9	6.7317	13.9223
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5181	5*	18.4859	25.6363	7	8.3302	13.7172
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5182				5	10.6797	13.2838
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4007. 1898, May 18.							5183	4*	22.4789	25.0678	6	11.2967	13.0140
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>							5184				3	11.5611	13.6771
Centre R.A. 12 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3087. 1896, April 21.							5185	24§	22.0763	25.7516	22§	11.9222	13.6747
R.A. 12 <sup>h</sup> 50 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>													

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.

Z O N E + 69°.

R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 10 <sup>m</sup>							R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre		R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°		Centre		R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°		
Plate 2564. 1895, April 24.					Plate 4007. 1898, May 18.		Plate 2564. 1895, April 24.					Plate 4007. 1898, May 18.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.							B. D.							
No.							No.							
Mag.							Mag.							
5186	12	12°9698	14°3733	14	23°7696	2°6157	°	5245			3	19°7955	12°6588	
5187	3	13°0160	14°2508	4	23°8193	2°4950	m.	5246			4	20°8180	12°3571	
5188	5	6°5038	15°5607	7	17°2605	3°5450		5247	4	11°1717	24°2076	6	21°5803	12°3711
5189	15	6°8950	15°6296	208	17°6478	3°6278		5248	2*	11°3752	24°0530	4	21°7902	12°2252
5190	3†	7°9132	15°2517	5	18°6799	3°2940		5249				6	14°9783	13°2781
5191	10	3°7011	16°9758	138	14°4014	4°8481		5250				4	15°7393	13°7748
5192	8	6°4598	16°3936	15	17°1822	4°3755		5251				4	15°7496	13°7545
5193	228	9°1093	16°0435	258	19°8434	4°1318	69 688	5252				4	15°8788	13°0485
5194				4	14°7519	5°5668	9°5	5253	2*	6°5454	25°2118	8	16°9178	13°1893
5195	2*	5°4094	17°9665	5	16°0708	5°9078		5254				3	17°7950	13°3888
5196	2*	5°6088	17°5450	4	16°2859	5°4924		5255				3	21°3204	13°3145
5197	2*	5°7072	17°9325	4	16°3695	5°8853		5256				4	23°6975	13°4874
5198	4	6°5207	17°4835	7	17°2010	5°4659								
5199	4	6°7430	17°2755	6	17°4299	5°2688								
5200				3	17°4615	5°8792								
5201	16	7°7115	17°8327	208	18°3760	5°8633								
5202	2*	8°9792	16°9570	4*	19°6790	5°0404								
5203	12	9°8104	17°5063	188	20°4870	5°6203								
5204	2*	12°0654	17°7923	4*	22°7288	5°9968								
5205	2*	3°9427	18°1505	5	14°5957	6°0340								
5206	5	7°7900	18°6573	8	18°4240	6°6934								
5207	2*	12°0237	18°4017	5*	22°6628	6°6034								
5208	3†	13°6817	17°8366	4	24°3400	6°1074								
5209	13	5°0125	19°6656	138	15°6061	7°5883								
5210	2†	6°0237	19°5486	6	16°6209	7°5135								
5211				4	18°0698	7°5273								
5212	2*	8°7448	19°0501	3	19°3628	7°1228								
5213	258	9°8625	19°5747	308	20°4594	7°6865	69 690							
5214	3†	10°7982	18°8636	5	21°4195	7°0135	9°5							
5215	17	12°2825	18°9643	218	22°9000	7°1747								
5216	4	3°6796	21°1015	8	14°2153	8°9730								
5217	6	4°3180	20°6105	10	14°8751	8°5045								
5218	198	4°5644	20°1657	208	15°1390	8°0690								
5219	5	6°7145	20°4872	6	17°2751	8°4757								
5220	6	7°3319	20°2832	10	17°9000	8°2960								
5221	14	9°8586	20°4446	178	20°4192	8°5577								
5222	11	12°5442	20°6635	158	23°0940	8°8827								
5223	2*	12°5727	20°2080	3†	23°1413	8°4318								
5224	6	13°7985	20°2785	5	24°3603	8°5507								
5225	448	13°8581	20°0170	498	24°4326	8°2889	69 692							
5226	2	6°7024	21°0460	6	17°2418	9°0353	8°5							
5227	8	7°0857	21°3534	11	17°6106	9°3560								
5228				3	17°9465	9°6753								
5229	12	8°4169	21°0578	148	18°9520	9°1130								
5230	3	8°7996	21°8978	5	19°3007	9°9690								
5231	14	7°8160	22°4460	168	18°2985	10°4769								
5232	5	9°2872	22°7451	8	19°7553	10°8343								
5233	2*	11°2282	22°3660	3	21°7143	10°5344								
5234				4	21°9213	10°9300								
5235	2*	11°9002	21°8150	4	22°4061	10°0080								
5236	5	13°7733	21°9457	5	24°2709	10°2141								
5237	3*	4°3710	23°2707	6	14°8240	11°1650								
5238	3*	9°2017	23°4633	6	19°6434	11°5456								
5239	8	10°9335	22°9370	13	21°3930	11°0938								
5240				5	21°4156	11°4840								
5241	13	13°2724	22°9708	148	23°7303	11°2179								
5242				3	15°1498	12°6684								
5243				4	15°6649	12°3507								
5244				3	16°4607	12°1291								

5245			3	19°7955	12°6588	°	m.
5246			4	20°8180	12°3571		
5247	4	11°1717	24°2076	6	21°5803	12°3711	
5248	2*	11°3752	24°0530	4	21°7902	12°2252	
5249				6	14°9783	13°2781	
5250				4	15°7393	13°7748	
5251				4	15°7496	13°7545	
5252				4	15°8788	13°0485	
5253	2*	6°5454	25°2118	8	16°9178	13°1893	
5254				3	17°7950	13°3888	
5255				3	21°3204	13°3145	
5256				4	23°6975	13°4874	
	388	1°6928	20°6128			69 685	9°0

R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 20 <sup>m</sup>						
Centre		R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°	
Plate 2564. 1895, April 24.					Plate 3093. 1896, April 23.	
5257	3*	19°9279	14°7507	4*	9°1462	2°8355
5258	228	23°0390	14°5614	268	12°2490	2°5195
5259	3*	24°3161	14°9430	5†	13°5385	2°8480
5260	12	14°6753	15°3958	12	3°9247	3°6892
5261	8	14°9973	15°3214	10	4°2428	3°6011
5262	4	18°3061	15°7502	5	7°5657	3°8982
5263	3	20°5702	15°5547	4†	9°8207	3°6091
5264	6	21°4270	15°7520	6	10°6849	3°7754
5265	4	21°6874	15°4854	6	10°9358	3°4959
5266	5	15°2772	16°5801	5	4°5734	4°8499
5267	5	19°4782	16°2209	6	8°7572	4°3235
5268				4†	11°5751	4°2631
5269	3†	22°6629	16°3324	4	11°9450	4°3056
5270	338	22°7447	16°8000	338	12°0458	4°7701
5271	4*	22°8498	16°7850	6	12°1515	4°7490
5272	4	23°5433	16°4873	6	12°8293	4°4238
5273	7	16°6282	17°5338	9	5°9643	5°7455
5274	9	21°4337	17°9028	11	10°7783	5°9212
5275	8	14°1877	17°8761	12	3°5367	6°1897
5276	4*	15°0639	18°2770	5*	4°4278	6°5524
5277	8	15°9953	17°9317	11	5°3450	6°1699
5278	7	18°4670	18°6943	8	7°8425	6°8308
5279	4*	18°8503	18°5855	4	8°2247	6°7078
5280	278	19°7690	17°9653	288	9°1159	6°0545
5281	5	20°4981	18°3043	6	9°8588	6°3612
5282	6	23°0423	18°1449	8	12°3967	6°0996
5283				4	13°6509	6°6553
5284	5	16°3190	18°8540	6	5°7054	7°0794
5285	6	16°7693	19°5552	7	6°1847	7°7603
5286	3*	17°8404	19°0205	4	7°2338	7°1853
5287	3*	18°2194	19°3166	4	7°6221	7°4668
5288	3*	20°0849	19°5845	4	9°4963	7°6559
5289	3*	16°7464	20°4945	4	6°2002	8°7006
5290	3*	17°0764	20°8055	4	6°5385	8°9993
5291	4	17°1932	20°1259	5	6°6310	8°3152
5292	4†	18°5250	20°1912	5	7°9650	8°3257
5293	4	18°5726	20°4426	6	8°0205	8°5760

1 réseau interval represents very nearly  $5' = 55^{\text{s}}.8$  of R. A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+ 70^{\circ}$ .



## ZONE + 69°.

R.A. 13 <sup>h</sup> 10 <sup>m</sup> to 13 <sup>h</sup> 20 <sup>m</sup> —contd.										R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.																																																	
Centre R.A. 13 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°					R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°																																												
Plate 2564. 1895, April 24.					Plate 3093. 1896, April 23.					Plate 3099. 1896, April 26.					Plate 3093. 1896, April 23.																																												
No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.			No.	Diam.	x.	y.																														
										B. D.																				B. D.																													
										No.										Mag.																				No.										Mag.									
5294	6	21°1772	20°4127	7	10°6207	8°4415		°	m.	5346	4	4°5087	19°5933	4	15°0500	7°4362		°	m.	5347	5	7°7050	19°7942	7	18°2339	7°7684																																	
5295	5*	21°3888	20°7660	6	10°8445	8°7905				5348	3	10°4954	19°1443							5349	2*	4°1344	20°2696	2	14°6484	8°0958																																	
5296				4	13°9235	8°2700				5350	15§	6°8526	20°1115	15§	17°3679	8°0488				5351	20§	9°1114	20°4923	19§	19°6117	8°5206	69	700	9°4																														
5297	20§	15°8255	21°5148	20§	5°3174	9°7580				5352	8	9°6274	20°7569	8	20°1155	8°8083				5353	3	3°7132	21°3765	3	14°1823	9°1858																																	
5298				3	11°1487	9°0982				5354	7	6°7140	22°2264	6	17°1472	10°1593				5355	2†	7°8516	22°7315	3	18°2624	10°7100																																	
5299	58§	22°0270	21°5351	58§	11°5156	9°5304	69	696	7°1	5356	7	6°2935	23°7971	7	16°6598	11°7108				5357	9	8°3002	23°0666	10	18°6953	11°0616																																	
5300				3	11°6839	9°3994				5358	6	11°7724	23°3503	5	22°1534	11°4850				5359	39§	11°8835	23°3425	40§	22°2655	11°4822	70	743	8°9																														
5301	11	17°0448	22°3013	12	6°5682	10°4964				5360	20§	12°6620	23°0388	19§	23°0563	11°2108				5361	16	4°4224	24°4990	15§	14°7631	12°3338	69	704	9°5																														
5302	4†	17°7855	21°9162	4	7°2945	10°0815				5362	3*	4°8993	24°8855	3	15°2221	12°7417				5363	5*	7°1260	24°0402	6	17°4835	11°9835																																	
5303	7	22°4414	22°9621	9	11°9893	10°9375				5364	3*	7°5361	24°9456	5	17°8545	12°9053				5365	4	9°2215	24°4821	5	19°5576	12°5119																																	
5304	7*	23°9569	22°5451	10	13°4864	10°4631				5366	5	12°5821	24°1461	5	22°9295	12°3132				5367	5	4°6444	25°8911	5	14°9267	13°7350																																	
5305	5	15°0880	23°5669	7	4°6660	11°8363				5368	3	6°1793	25°2248	4	16°4874	13°1328				5369	4	9°2431	25°7481	4	19°5270	13°7811																																	
5306	9	15°6737	23°5331	10	5°2479	11°7800				5370	13	11°0725	25°6008	12§	21°3635	13°7050				5371	2	13°5987	25°3865	3	23°8946	13°5944																																	
5307				4	7°7858	11°0870																																																					
5308	8	20°4875	23°1114	9	10°0420	11°1673																																																					
5309	14	20°6217	22°9685	14§	10°1701	11°0190																																																					
5310	7*	22°5084	23°0636	9	12°0580	11°0375																																																					
5311				4	12°7322	11°9111																																																					
5312				6	13°1522	11°2959																																																					
5313	32§	14°5600	23°8961	30§	4°1518	12°1879	70	731	8°9																																																		
5314				5	5°4150	12°1231																																																					
5315	6	16°1938	24°2729	8	5°7961	12°4988																																																					
5316	6	16°6319	24°2080	10	6°2341	12°4178																																																					
5317	6	17°0352	23°8463	8	6°6190	12°0397																																																					
5318				4	7°0445	12°2663																																																					
5319				5	7°4340	12°3009																																																					
5320	6	18°9190	24°5524	8	8°5354	12°6707																																																					
5321	15	19°7748	24°0288	15	9°3659	12°1128																																																					
5322				4	12°6877	12°2924																																																					
5323	8	16°2549	24°8286	11	5°8788	13°0545																																																					
5324	4*	17°4619	25°4190	6	7°1129	13°5911																																																					
5325	6	17°8385	25°8014	9	7°5055	13°9597																																																					
5326				4	8°6136	13°5970																																																					
5327				8	12°5026	13°7370																																																					
R.A. 13 <sup>h</sup> 20 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>										R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup>																																																	
Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°																																												
Plate 3099. 1896, April 26.					Plate 3093. 1896, April 23.					Plate 3099. 1896, April 26.					Plate 4014. 1898, May 22.																																												
5328	6	4°7277	14°4805	5	15°4750	2°3371		°	m.	5372	5	17°7501	14°3452					°	m.	5373	5	19°5244	14°1152																																				
5329	17	6°0615	14°4450	21§	16°8124	2°3542	69	699	9°5	5374	2	19°8892	14°1171							5375	5	20°4436	14°7645	3	9°8407	2°7179																																	
5330	6	11°1580	14°1365	5	21°9138	2°2558				5376	4	21°5937	14°6001							5377	23§	17°2496	15°0753	28§	6°6642	3°1631	69	707	9°0																														
5331	3	12°4370	14°4251							5378	4	22°2262	15°3407							5379	5	22°7904	15°4544	4*	12°2166	3°3035																																	
5332	6	6°1381	15°7130	6	16°8360	3°6223				5380	5	24°1520	15°1822							5381	5	17°1705	16°3219	4*	6°6402	4°4149																																	
5333	4	8°0847	15°0455	4†	18°8079	3°0336				5382	3†	18°5533	16°2280							5383	9	23°3949	16°6549	6	12°8709	4°4748																																	
5334	14§	8°9953	15°0235	23	19°7171	3°0515				5384	16§	23°3978	16°6603	13	12°8753	4°4832				5385	5	23°7877	16°3225	3	13°2500	4°1250																																	
5335	7	11°4121	15°7812	4	22°1015	3°9075				5386	5†	23°9708	16°5775	3*	13°4405	4°3754				5387	3	14°7355	17°3727																																				
5336	3	13°2732	15°3490							5388	6	19°5299	17°1633	6	9°0315	5°1505				5389	4	20°6013	17°4579	3*	10°1135	5°3993																																	
5337	4	7°6067	16°9528	5	18°2526	4°9215				5390	6	20°7093	17°8150	4	10°2395	5°7502				5391	29§	21°8776	17°0990	38§	11°3767	4°9850	69	710	8°8																														
5338	9	8°2955	16°8814	8	18°9435	4°8786				5392	30§	21°9873	17°0617	36§	11°4832	4°9427	69	711	8°9	5393	3	14°7184	18°3768																																				
5339	7	7°6863	17°0443	7	18°3263	5°0178				5394	3	15°3818	18°1106	2*	4°9272	6°2765																																											
5340	14§	10°5738	17°4097	20§	21°1973	5°5005																																																					
5341	2	10°7686	17°9160	2*	21°3722	6°0131																																																					
5342	3	13°3334	17°8695																																																								
5343	15§	9°8174	18°7840	17§	20°3854	6°8436																																																					
5344	2	13°0385	18°3229	2*	23°6236	6°5111																																																					
5345	27§	13°3836	18°9588	34§	23°9450	7°1620	69	705	9°4																																																		

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup> —contd.							R.A. 13 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 50 <sup>m</sup> —contd.								
Centre R.A. 13 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3099. 1896, April 26.				Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4014. 1898, May 22.				Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2051. 1894, May 21.				Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4014. 1898, May 22.			
No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .
5395	4	19°33'18"	18°25'92"	3*	8.8811	6°25'25"	69 709	5443	15	4°02'55"	16°67'02"	10	14°82'29"	4°47'61"	69 715
5396	20S	19°40'86"	18°8'993"	21S	8.9865	6°8'908"	9.5	5444	6	4°37'49"	16°30'24"	4	15°19'43"	4°12'08"	
5397	5	19°63'75"	18°62'50"	3	9°20'30"	6°60'57"		5445	12	5°06'69"	16°61'38"	7	15°87'25"	4°46'16"	
5398	6	15°17'17"	19°99'50"	5	4°80'16"	8°16'84"		5446	19S	5°12'32"	16°62'76"	15	15°92'88"	4°47'50"	9.5
5399	18S	19°69'68"	19°44'42"	18S	9°29'98"	7°42'37"		5447	8	13°01'75"	16°03'00"	4*	23°84'11"	4°19'59"	
5400	9	21°97'20"	19°32'45"	7	11°56'34"	7°20'63"		5448	4	13°24'43"	16°72'32"				
5401	6	14°48'57"	20°28'10"	4	4°12'77"	8°48'61"		5449	4	3°40'99"	17°04'50"	2	14°19'91"	4°82'57"	
5402	5	16°98'78"	20°32'35"	5†	6°62'92"	8°41'64"		5450	24S	3°68'36"	17°03'30"	23S	14°47'26"	4°82'24"	69 714
5403	20S	21°17'42"	20°97'43"	19S	10°83'84"	8°88'86"		5451	5	3°97'18"	17°65'44"	2*	14°73'75"	5°45'78"	9.0
5404	4*	21°74'51"	20°68'86"	3†	11°39'36"	8°57'95"		5452	6	5°99'95"	17°87'05"	5	16°75'48"	5°75'27"	
5405	4	14°83'74"	21°99'90"	3*	4°55'37"	10°18'54"	69 706	5453	9	9°46'35"	17°74'27"	7	20°22'18"	5°76'54"	
5406	19	15°13'73"	21°99'58"	21S	4°85'40"	10°16'93"	9.5	5454	2	10°10'53"	17°74'05"	2*	20°86'79"	5°78'58"	
5407	5	15°67'09"	21°71'20"	3	5°37'36"	9°86'35"		5455	2	12°80'24"	17°79'54"				
5408	4†	20°10'68"	21°65'95"	3†	9°80'33"	9°61'70"		5456	3	6°32'23"	18°77'26"				
5409	7	20°58'28"	21°36'56"	6	10°26'54"	9°30'62"		5457	2	7°15'17"	18°06'25"	2*	17°90'01"	5°99'33"	
5410	3	15°63'07"	22°82'29"					5458	4	10°69'08"	18°61'71"				
5411	20S	17°68'03"	22°85'41"	18	7°43'03"	10°91'64"	69 708	5459	25S	12°14'57"	18°85'37"	20S	22°85'63"	6°98'13"	69 722
5412	3	20°05'12"	22°84'40"				9.5	5460	20S	7°09'15"	19°21'42"	14	17°79'17"	7°14'03"	9.5
5413	5	21°47'58"	22°78'55"	4*	11°21'94"	10°68'47"		5461	2	7°19'33"	19°23'00"	2*	17°89'57"	7°15'66"	
5414	4	23°58'96"	22°41'24"	3*	13°31'97"	10°22'20"		5462	6	8°71'93"	19°28'47"	4	19°41'71"	7°27'43"	
5415	6	14°44'36"	23°06'26"	5†	4°20'74"	11°26'53"		5463	6	9°49'40"	19°43'46"	5	20°18'40"	7°45'55"	
5416	5	16°34'78"	23°44'72"	4	6°12'56"	11°56'68"		5464	17	3°38'36"	20°72'54"	12	14°02'60"	8°50'49"	
5417	8	18°82'26"	23°57'55"	6	8°60'36"	11°58'98"		5465	5	4°55'84"	20°65'99"	4*	15°20'02"	8°48'23"	
5418	9	23°69'67"	23°66'40"	9	13°47'68"	11°46'45"		5466	58S	6°33'41"	20°07'28"	53S	17°00'40"	7°96'80"	69 717
5419	4	15°44'60"	24°17'06"	3†	5°25'61"	12°32'73"		5467	40S	3°43'01"	21°83'27"	23S	14°02'98"	9°60'87"	69 713
5420	5	16°15'87"	24°11'17"	4	5°96'47"	12°24'06"		5468	3*	6°55'59"	21°25'56"	2*	17°17'05"	9°15'75"	
5421	3	20°08'17"	24°69'20"	4*	9°90'80"	12°64'84"		5469	3*	6°94'99"	21°46'53"	2†	17°55'96"	9°38'53"	
5422	41S	20°14'05"	24°49'77"	37S	9°95'93"	12°45'27"	70 750	5470	30S	7°09'79"	21°45'71"	25S	17°70'83"	9°38'34"	69 718
5423	3†	20°60'79"	24°47'87"	3*	10°42'38"	12°41'66"	9.0	5471	20S	11°72'32"	21°73'66"	19S	22°32'08"	9°84'60"	9.0
5424	19	14°26'37"	25°57'09"	17	4°13'47"	13°78'17"	70 745	5472	47S	12°38'47"	21°76'28"	45S	22°98'18"	9°89'74"	69 723
5425	21S	15°98'93"	25°49'50"	21S	5°85'65"	13°62'97"	9.5	5473	7	13°35'88"	21°07'91"	5*	23°98'06"	9°25'43"	7.8
5426	12	16°69'28"	25°51'75"	8	6°56'00"	13°62'27"		5474	17S	5°50'64"	22°75'82"	12	16°06'75"	10°61'65"	
5427	6	17°35'90"	25°33'36"	5	7°21'81"	13°40'76"		5475	60S	5°51'90"	22°78'59"	54S	16°07'98"	10°64'40"	69 716
5428	4	19°00'83"	25°37'71"	4	8°86'54"	13°38'00"		5476	3†	6°37'33"	22°82'58"	2*	16°92'81"	10°71'98"	7.2
5429	12	19°19'83"	25°56'44"	12	9°06'28"	13°56'07"		5477	4	7°09'62"	22°71'34"	2	17°65'79"	10°63'60"	
5430	11	19°34'28"	25°33'75"	9	9°19'61"	13°32'59"		5478	40S	8°06'06"	22°68'76"	33S	18°62'20"	10°64'86"	69 719
								5479	7	8°10'33"	22°85'00"	6	18°66'04"	10°81'40"	9.1
	23S	24°97'83"	17°06'99"				69 714	5480	5*	8°96'55"	22°94'11"	3	19°51'78"	10°93'83"	9.0
	72S	26°33'53"	22°95'60"				69 716	5481	5	11°40'94"	22°03'28"				7.2
R.A. 13 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 50 <sup>m</sup>							R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup>								
Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2051. 1894, May 21.				Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4014. 1898, May 22.				Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2051. 1894, May 21.				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4018. 1898, June 6.			
5431	17	5°32'99"	14°88'67"	12	16°20'26"	2°74'59"		5490	9	16°49'83"	14°62'95"	10	5°87'11"	2°72'63"	
5432	4	5°61'07"	14°41'13"					5491	13	19°82'61"	14°72'09"	15	9°20'00"	2°69'31"	
5433	3	10°74'13"	14°62'09"					5492	7	20°11'20"	14°15'43"	10	9°46'24"	2°11'49"	
5434	4	10°92'59"	14°66'60"					5493	4*	22°36'22"	15°01'81"	5	11°74'19"	2°88'93"	
5435	7	11°46'24"	14°17'83"					5494	5	18°04'81"	15°72'56"	8	7°46'08"	3°76'28"	
5436	8	11°64'92"	14°62'15"	3*	22°53'16"	2°73'42"									
5437	3	13°91'11"	14°74'56"												
5438	2	5°17'02"	15°69'45"												
5439	3	7°17'91"	15°20'24"												
5440	2	7°42'56"	15°09'54"												
5441	27S	10°25'14"	15°70'81"	27S	21°09'05"	3°76'49"	69 721								
5442	3	11°12'57"	15°73'22"				9.3								



## ZONE + 69°.

R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 13 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 2051. 1894, May 21.			Plate 4018. 1898, June 6.			Plate 2051. 1894, May 21.			Plate 4018. 1898, June 6.			Plate 2051. 1894, May 21.			Plate 4018. 1898, June 6.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
5495	18	18°85'27	15°25'76	22	8°24'55	3°26'52	°	m.	5554	4†	21°02'88	22°53'01	9	10°69'00	10°45'17	°	m.		
5496	3*	21°96'50	15°41'34	4*	11°36'01	3°30'52			5555				4	13°24'79	10°73'86				
5497	76§	24°26'15	16°08'24	76§	13°68'06	3°88'58	69 733	6.3	5556	5	15°05'45	23°50'07	9	4°75'87	11°64'56				
5498	15	15°41'35	15°97'08	17	4°83'68	4°10'71			5557	4*	16°05'95	23°02'32	6	5°74'49	11°12'84				
5499	4	15°90'58	16°15'39	5*	5°33'67	4°27'30			5558	24§	16°76'37	23°12'59	22§	6°45'31	11°20'58				
5500	12	16°51'41	16°07'44	14	5°93'93	4°17'01			5559	4*	17°61'59	23°51'02	6	7°31'94	11°55'83				
5501				4	7°73'62	4°62'14			5560	6†	20°56'79	23°99'89	8	10°28'40	11°93'50				
5502	26§	18°84'45	16°40'39	32§	8°28'01	4°40'93	69 729	9.5	5561	6†	21°30'36	23°34'26	10	10°99'35	11°25'48				
5503	17	19°80'00	16°29'43	16	9°22'98	4°26'49			5562	4*	21°78'80	23°32'97	6	11°48'29	11°22'38				
5504	4*	21°51'10	16°17'08	5	10°93'64	4°07'63			5563	18	22°89'53	23°28'51	20§	12°58'63	11°13'51				
5505	8	22°24'73	17°07'35	11	11°70'58	4°95'20			5564	3*	14°37'92	24°25'52	6	4°11'21	12°42'50				
5506				4	12°15'70	4°68'95			5565				4	4°73'69	12°92'72				
5507	27§	22°72'68	16°32'08	26§	12°15'88	4°18'22			5566				4	7°81'53	12°70'75				
5508	29§	22°78'52	16°94'91	25§	12°24'07	4°80'83			5567	5	22°11'28	24°45'27	9	11°84'84	12°33'28				
5509	49§	23°02'45	16°31'14	48§	12°45'31	4°16'07	69 732	8.7	5568				4	11°29'33	13°59'20				
5510	5	16°08'50	17°52'72	7	5°56'69	5°63'79			5569				6	13°62'90	13°80'55				
5511	7	16°09'01	17°88'93	11	5°58'43	5°99'93			5570				5	13°69'73	13°00'83				
5512	12	16°54'85	17°74'77	15	6°03'80	5°83'73			R.A. 14 <sup>h</sup> 0 <sup>m</sup> to 14 <sup>h</sup> 10 <sup>m</sup>										
5513	4*	18°76'63	17°61'48	5	8°24'68	5°62'42			Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				
5514	4*	20°10'95	17°29'32	4	9°57'65	5°25'06			Plate 1954. 1894, April 6.			Plate 4018. 1898, June 6.			Plate 1954. 1894, April 6.				
5515	4	22°87'55	17°99'08	8	12°36'74	5°84'39			5571	22§	3°56'09	13°97'30	24	14°39'05	1°77'48	°	m.		
5516				5	13°27'74	5°22'95			5572	7	6°37'63	14°92'13	11	17°16'63	2°84'73				
5517	3	14°77'41	18°31'68	4*	4°28'77	6°47'67			5573	5	8°72'45	14°41'74	11	19°53'42	2°45'38				
5518	5	15°31'30	18°45'69	6	4°82'81	6°59'60			5574	8	7°10'89	16°14'95	16§	17°84'22	4°10'61				
5519	17	16°26'97	17°93'44	20	5°76'55	6°03'75			5575	25§	8°09'52	16°34'08	31§	18°82'01	4°34'26				
5520	5	16°38'74	17°94'17	6*	5°88'58	6°03'67			5576				2	14°64'03	5°65'84				
5521	22§	17°24'90	18°29'28	22§	6°78'01	6°99'48			5577	4*	9°41'82	17°66'36	10	20°08'43	5°72'45				
5522	21§	19°23'67	18°15'26	22§	8°73'96	6°14'37			5578	2*	9°61'35	17°80'33	8	20°27'32	5°87'34'				
5523	4*	21°86'73	18°86'32	5	11°39'49	6°75'42			5579	2*	11°93'53	17°27'83	5	22°61'75	5°45'09				
5524				4	12°02'18	6°99'68			5580	8	12°70'78	17°74'46	14	23°36'94	5°95'00				
5525	5	22°69'15	18°92'93	10	12°21'89	6°78'97			5581	3*	12°92'09	16°98'21	7	23°61'45	5°19'80				
5526				3	13°28'55	6°19'25			5582				2	15°65'60	6°64'53				
5527	8	14°02'18	19°18'44	11	3°56'50	7°37'05			5583	4*	6°05'03	18°58'46	8	16°68'09	6°49'45				
5528	3*	15°70'90	19°40'26	6	5°26'03	7°52'48			5584	70§	12°03'77	17°96'58	80§	22°68'69	6°14'38	69 736	6.5		
5529	4	15°84'10	19°68'14	7	5°40'62	7°79'97			5585	6*	3°60'12	19°92'06	12	14°17'00	7°72'40				
5530	7	15°93'22	18°90'66	11	5°46'59	7°02'18			5586				2	15°11'08	7°60'10				
5531	9	16°33'60	19°66'80	11	5°89'80	7°76'67			5587				3	16°52'42	7°87'08				
5532	7	16°90'04	19°44'27	10	6°45'18	7°52'08			5588	2*	13°57'46	18°85'01	5	24°18'46	7°09'48				
5533	3*	21°06'35	19°27'48	5	10°59'95	7°19'65			5589	4*	3°70'03	21°03'26	10	14°22'03	8°83'53				
5534	8	21°72'76	19°98'40	11	11°29'50	7°87'94			5590				3	15°49'17	8°21'32				
5535				3	11°66'73	7°13'16			5591				5	15°79'06	8°14'38				
5536				5	12°56'30	7°87'48			5592				7	15°92'87	8°11'33				
5537	20§	23°16'03	19°49'25	19§	12°70'65	7°33'41			5593	24§	5°64'28	20°89'83	24§	16°16'69	8°78'59				
5538	8	14°75'26	20°13'64	9	4°33'26	8°29'16			5594				3	17°63'27	8°41'48				
5539				4	7°65'94	8°98'95			5595				5	20°25'78	8°71'51				
5540				6	9°37'82	8°65'50			5596				3	16°95'70	9°48'87				
5541	4*	22°42'00	20°42'47	6*	12°00'32	8°29'40			5597				5	23°25'01	9°29'63				
5542	4*	23°63'45	20°74'59	8	13°22'72	8°57'27			5598	8	13°48'59	20°91'35	16	24°00'28	9°15'33				
5543	3*	15°96'85	21°49'02	5	5°58'65	9°61'49			5599				5	24°30'13	9°48'77				
5544	20§	19°27'59	21°04'88	19§	8°88'49	9°03'58			5600	40§	5°64'53	22°39'91	40§	16°10'20	10°28'53	69 734	9.2		
5545	19§	19°27'82	21°44'07	19§	8°90'15	9°42'69			5601				6	16°77'79	10°66'64				
5546				4	9°54'48	9°34'79			5602				3	17°95'83	10°92'76				
5547				6	10°95'50	9°63'82			5603	3*	7°62'08	22°74'75	6	18°06'06	10°72'41				
5548				4	12°81'36	9°61'75			5604	3*	8°95'88	22°40'96	8	19°41'10	10°44'48				
5549	4	14°04'85	22°44'06	6	3°71'57	10°62'23			5605	4*	4°61'43	23°41'64	10	15°02'78	11°25'56				
5550	20§	15°23'45	22°11'53	18	4°88'69	10°25'33													
5551	62§	15°35'13	22°65'74	62§	5°02'50	10°79'05	69 726	8.3											
5552	2*	16°68'02	22°52'95	4†	6°34'81	10°61'46													
5553	10	19°06'20	22°98'58	13	8°74'08	10°98'10													

1 second interval represents very nearly 5' = 55.8" of R.A. at Dec. + 69°, and 58.5" at Dec. + 70°.

## ZONE + 69°.

R.A. 14 <sup>h</sup> 0 <sup>m</sup> to 14 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 20 <sup>m</sup> —contd.																
Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°										
Plate 1954. 1894, April 6.			Plate 4018. 1898, June 6.			Plate 1954. 1894, April 6.			Plate 2050. 1894, May 20.			Plate 1954. 1894, April 6.			Plate 2050. 1894, May 20.										
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
5606				4	16°99'48	11°45'41	°	m.	5655	19	24°13'66	19°86'90	198	13°55'20	7°71'11	°	m.	5656							
5607	5	7°34'23	23°37'01	13	17°75'10	11°33'33			5656				6	4°66'03	8°96'40			5657	24	16°41'73	21°55'05	278	5°91'19	9°70'73	69 738 9°3
5608				3	18°46'25	11°53'32			5657	8	16°93'81	21°60'75	198	6°43'39	9°74'28			5658	4	17°62'23	21°33'11	7	7°10'60	9°43'50	
5609	5	9°31'98	23°28'66	15	19°73'63	11°33'85			5658				4	4°92'18	10°20'04			5659				4	8°69'59	10°20'60	
5610	3*	9°82'09	22°94'16	8	20°24'76	11°01'63			5659				4	9°89'33	10°34'23	69 743 7°7		5660	518	20°37'10	22°34'85	638	11°55'57	10°84'54	
5611				4	22°00'53	11°12'58			5660				7	12°14'73	10°45'15			5661				4	5°76'62	11°06'63	
5612				6	14°74'65	12°41'46			5661				14	8°04'65	11°24'92			5662	8	16°22'11	22°90'28	258	9°85'84	11°29'03	69 742 9°3
5613				4	16°48'05	12°29'55			5662	22	18°48'77	23°18'06	258	9°92'48	11°26'35			5663	19	20°29'64	23°29'69	258	5°05'35	12°63'11	
5614				7	16°94'85	12°96'85			5663	11	20°36'47	23°27'30	218	5°81'65	12°33'04			5664				9	5°81'65	12°33'04	
5615	3*	7°58'43	24°77'76	10	17°93'23	12°75'00			5664				12	11°47'39	12°36'66			5665	868	14°23'20	24°77'63	968	3°86'15	13°01'80	70 778 5°3
5616				3	19°72'33	12°74'27			5665				5	7°57'76	13°09'02			5666				4	7°74'55	13°86'84	
5617	5*	9°39'23	24°69'14	15	19°74'02	12°74'46			5666				5	9°76'51	13°65'09			5667				5	9°76'51	13°65'09	
5618				4	21°57'09	12°38'63			5667				14	12°71'54	13°77'45			5668				14	12°71'54	13°77'45	
5619	458	12°53'73	23°90'70	538	22°91'95	12°10'31	70 775 8°0		5668									5669							
5620	21	13°44'34	23°84'71	268	23°82'69	12°08'08	70 777 9°4		5669									5670							
5621				8	24°00'93	12°37'38			5670									5671							
5622				6	16°06'05	13°67'40			5671									5672							
5623				3	18°82'79	13°51'54			5672	868	14°23'20	24°77'63	968	3°86'15	13°01'80	70 778 5°3		5673							
5624	7	9°80'08	25°81'35	18	20°10'05	13°88'44			5673									5674							
5625				3	22°45'16	13°77'48			5674									5675							
									5675									5676							
	528	1°72'75	16°44'35				69 732 8°7						918	1°38'56	6°30'52	69 736 6°5									
	718	2°94'13	16°11'36				69 733 6°3						498	2°13'13	12°22'01	70 775 8°0									
R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 20 <sup>m</sup>									R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup>																
Centre R.A. 14 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°										
Plate 1954. 1894, April 6.			Plate 2050. 1894, May 20.			Plate 2636. 1895, May 27.			Plate 2050. 1894, May 20.			Plate 2636. 1895, May 27.			Plate 2050. 1894, May 20.										
5626	5†	14°14'30	15°27'85	6*	3°37'99	3°53'48	°	m.	5677	9	12°16'20	14°88'46	318	22°85'19	3°01'50	°	m.	5678	3†	4°92'61	15°33'86	12	15°60'11	3°18'63	69 753 9°5
5627	3*	19°72'81	15°06'96	5	8°95'85	3°09'69			5678				12	15°60'11	3°18'63			5679	258	9°80'65	15°22'30	458	20°48'48	3°26'13	69 748 9°0
5628				7	8°44'29	3°58'54			5679	4*	13°17'32	15°01'13	11*	23°85'76	3°17'89			5680	4	5°23'98	16°51'36	16	15°86'78	4°36'98	
5629	21	19°97'95	15°46'88	328	9°22'01	3°48'28	69 740 9°3		5680				16	15°86'78	4°36'98			5681	2†	7°93'07	16°88'07	7	18°54'65	4°84'27	
5630	5*	21°37'77	15°92'49	7	10°64'02	3°88'00			5681	4	5°23'98	16°51'36	16	15°86'78	4°36'98			5682	5	7°97'45	16°35'15	22	18°60'76	4°31'56	
5631	20	24°71'15	15°50'14	268	13°95'21	3°32'19			5682				7	18°54'65	4°84'27			5683				22	18°60'76	4°31'56	
5632	19	14°63'30	16°48'55	27	3°92'11	4°71'79			5683	238	13°80'12	16°01'77	518	24°44'62	4°20'93	69 754 9°1		5684	6	10°96'03	17°26'67	21	21°55'75	5°34'61	
5633	3*	15°06'40	15°80'73	7	4°32'81	4°02'45			5684				6	18°43'29	5°32'06			5685				15	14°35'28	6°62'76	
5634	3*	16°25'66	16°44'64	6	5°54'20	4°60'96			5685				5	16°26'02	6°34'12			5686	4	3°81'39	18°82'63	15	14°35'28	6°62'76	
5635	2*	17°24'87	15°98'29	6	6°51'35	4°10'75			5686				5	17°13'70	6°87'20			5687				5	16°26'02	6°34'12	
5636	298	17°93'11	16°76'84	408	7°22'64	4°86'53	69 739 8°8		5687	3	13°61'15	18°25'83	11	24°16'84	6°44'06			5688	4			15	16°26'02	6°34'12	
5637	3*	19°44'11	16°95'14	6	8°74'55	4°98'15			5688				15	24°46'07	6°53'96			5689				5	17°13'70	6°87'20	
5638	688	20°30'58	16°55'11	828	9°59'04	4°55'06	69 741 7°3		5689				15	24°46'07	6°53'96			5690				5	17°13'70	6°87'20	
5639	20	20°93'43	16°74'49	268	10°22'71	4°71'88	69 744 9°4		5690	4			15	24°46'07	6°53'96			5691	4	13°90'70	18°34'48	15	24°46'07	6°53'96	
5640	17	22°44'84	16°77'25	22	11°73'98	4°68'33			5691				15	24°46'07	6°53'96			5692				15	24°46'07	6°53'96	
5641				4	13°27'48	4°25'73			5692				15	24°46'07	6°53'96			5693				15	24°46'07	6°53'96	
5642	4*	19°57'36	17°15'84	9	8°88'42	5°18'75			5693				15	24°46'07	6°53'96			5694				15	24°46'07	6°53'96	
5643	6*	19°80'63	17°67'52	10	9°13'71	5°69'64			5694				15	24°46'07	6°53'96			5695				15	24°46'07	6°53'96	
5644				4	11°15'38	5°34'73			5695				15	24°46'07	6°53'96			5696				15	24°46'07	6°53'96	
5645				5†	11°92'54	5°00'00			5696				15	24°46'07	6°53'96			5697				15	24°46'07	6°53'96	
5646	268	14°65'90	17°94'48	388	4°00'57	6°17'34	69 737 9°5		5697				15	24°46'07	6°53'96			5698				15	24°46'07	6°53'96	
5647	3	18°34'39	18°44'26	7	7°70'98	6°52'16			5698				15	24°46'07	6°53'96			5699				15	24°46'07	6°53'96	
5648	3*	23°28'68	18°19'11	9	12°63'58	6°06'79			5699				15	24°46'07	6°53'96			5700				15	24°46'07	6°53'96	
5649	4†	14°12'83	19°62'01	8	3°54'43	7°87'00			5700				15	24°46'07	6°53'96			5701				15	24°46'07	6°53'96	
5650	7	17°43'30	18°99'70	168	6°82'10	7°11'07			5701				15	24°46'07	6°53'96			5702				15	24°46'07	6°53'96	
5651	4*	19°25'61	19°15'57	7	8°64'36	7°20'03							15	24°46'07	6°53'96							15	24°46'07	6°53'96	
5652	3*	19°72'06	19°76'84	6	9°13'87	7°79'07							15	24°46'07	6°53'96							15	24°46'07	6°53'96	
5653				7	10°57'25	7°65'59							15	24°46'07	6°53'96							15	24°46'07	6°53'96	
5654	21	22°17'05	19°10'73	258	11°56'09	7°02'98	69 745 9°5						15	24°46'07	6°53'96							15	24°46'07	6°53'96	

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.



## ZONE + 69°.

R.A. 14 <sup>h</sup> 20 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup> —contd.									
Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°					
Plate 2636. 1895, May 27.				Plate 2050. 1894, May 20.				Plate 2636. 1895, May 27.				Plate 2668. 1895, June 8.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		
							No. Mag.								No. Mag.		
5703				5	21°40'31	11°03'71	°	m.	5756				7	13°47'78	8°32'52	°	m.
5704	4	11°63'63	22°93'80	15	22°01'00	11°04'05			5757				5	5°83'39	9°81'36		
5705	5†	4°88'36	25°14'14	16	15°17'47	12°97'70			5758				8	6°30'65	9°04'93		
5706	8	9°45'87	24°79'16	22§	19°76'24	12°81'15	70 788	9°5	5759				4	9°09'11	9°15'06		
5707	4*	11°41'90	24°76'49	9	21°72'24	12°86'04			5760	4*	21°77'96	21°61'63	14§	11°34'77	9°48'98		
5708	17	12°34'15	24°42'63	26§	22°65'62	12°55'62			5761				8	11°85'74	9°52'14		
5709				4	22°95'97	12°77'02			5762				6	5°70'46	10°13'35		
5710				3	14°35'47	13°39'20			5763	14	18°24'57	22°56'39	27§	7°85'85	10°57'55		
5711	8	6°10'90	25°82'51	22§	16°37'62	13°71'20			5764	4*	22°05'13	22°37'43	13§	11°65'08	10°23'27		
5712	28§	9°52'32	25°33'41	42§	19°80'38	13°35'30	70 789	8°9	5765	25§	24°19'22	22°32'30	38§	13°78'89	10°09'41	69 764	8°8
R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup>								R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 40 <sup>m</sup>									
Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 14 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°					
Plate 2636. 1895, May 27.				Plate 2668. 1895, June 8.				Plate 2636. 1895, May 27.				Plate 2668. 1895, June 8.					
5713				9	4°61'40	2°12'48	°	m.	5771				9	13°71'22	12°31'10	°	m.
5714				7	7°24'23	2°54'68			5772	20	14°20'34	25°59'86	30§	3°94'30	13°77'38		
5715	3†	18°24'80	14°05'57	13	7°51'20	2°07'66			5773				5	6°27'95	13°01'35		
5716	4	20°93'88	14°35'42	16	10°21'33	2°26'52			5774				10	6°49'44	13°65'31		
5717				5	10°70'37	2°99'23			5775				4	7°96'85	13°53'52		
5718	8	22°42'38	14°93'82	26§	11°71'90	2°78'73			5776	14	22°27'51	25°92'88	27§	12°01'98	13°77'21		
5719	8	23°70'38	14°54'36	22§	12°98'33	2°34'14			5777				5	13°21'33	13°11'53		
5720				8	13°81'77	2°37'84				34§	25°32'54	20°69'35				69 765	8°9
5721	28§	17°04'50	15°67'54	46§	6°37'36	3°74'29	69 757	8°9		23	26°65'97	21°02'35				69 767	8°8
5722	23§	19°78'07	15°32'24	42§	9°09'20	3°27'87	69 760	9°4	R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup>								
5723				4	9°41'20	3°07'98			Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
5724	4*	22°79'46	16°04'03	19§	12°13'41	3°87'23			Plate 2638. 1895, May 27.				Plate 2668. 1895, June 8.				
5725				14	12°96'75	3°74'03			5778				8	15°95'98	2°71'70	°	m.
5726	22§	14°13'53	16°44'53	45§	3°49'99	4°63'01	69 755	9°1	5779				5	17°09'72	2°23'63		
5727	40§	14°17'25	16°22'41	57§	3°52'48	4°40'72	69 756	8°6	5780	4	8°75'71	14°98'70	18	19°47'28	2°99'83		
5728				6	6°39'79	4°23'58			5781	6	9°76'11	14°05'71	22	20°51'33	2°10'53		
5729				4	7°95'55	4°06'51			5782				5	17°66'30	3°51'64		
5730	6	20°92'13	16°17'14	23§	10°27'06	4°08'03			5783	4*	8°45'03	15°66'49	16	19°13'54	3°66'31		
5731	7	21°54'08	16°37'34	23§	10°89'38	4°25'66			5784	4	10°30'15	15°52'22	19	20°99'45	3°59'38		
5732				5	3°89'86	5°55'35			5785	8	12°86'54	14°92'63	25	23°58'14	3°10'03		
5733				5	6°95'30	5°65'35			5786				6	24°51'34	3°70'73		
5734				7	4°38'25	6°30'12			5787				4	14°03'22	4°44'11		
5735				7	5°58'22	6°04'90			5788	4*	3°77'16	17°13'93	14	14°40'14	4°94'47		
5736	18§	18°97'37	18°50'75	27§	8°41'81	6°49'36	69 759	9°5	5789	3*	5°67'08	16°53'13	11	16°32'48	4°41'23		
5737	5	19°33'64	18°42'44	19§	8°77'80	6°40'01			5790				4	16°43'42	4°24'62		
5738	5	20°79'52	18°23'93	17	10°22'54	6°15'18			5791	14	6°69'55	16°33'99	25§	17°35'64	4°26'49		
5739	4†	21°60'48	18°39'15	12	11°04'06	6°27'01			5792	2*	10°36'41	16°24'79	9	21°02'48	4°32'20		
5740	26§	21°84'83	18°57'75	32§	11°29'26	6°44'79	69 762	9°4	5793	5†	3°42'30	17°46'59	16	14°03'80	5°25'60		
5741				4	12°34'51	6°67'61			5794	3*	4°23'05	18°11'48	10	14°81'82	5°93'68		
5742				8	5°91'60	7°94'29			5795	2*	5°54'04	17°19'74	9	16°16'67	5°07'44		
5743	28§	18°09'65	19°73'99	44§	7°59'20	7°76'11	69 758	9°1	5796	6	6°11'96	17°27'82	20§	16°74'31	5°17'81		
5744				6	10°92'59	7°35'08			5797	6	6°38'53	17°12'97	18	17°01'58	5°03'70		
5745	4	21°54'41	19°47'88	15	11°02'48	7°35'84			5798	25§	10°62'45	16°93'20	45§	21°25'93	5°01'50	69 771	8°8
5746				6	13°16'30	7°63'63			5799	8	11°01'25	17°60'62	24§	21°62'05	5°70'54		
5747	3	15°28'27	20°68'41	12	4°82'23	8°82'03			5800				3	15°54'54	6°07'68		
5748				7	6°31'36	8°28'85			5801				8	18°22'37	6°04'47		
5749				6	6°61'26	8°89'65			5802	2	8°47'61	18°52'83	17	19°04'72	6°52'40		
5750				5	9°48'75	8°31'60			5803				6	19°27'82	6°73'63		
5751				6	10°29'75	8°72'36			5804	2*	10°27'16	18°46'28	10	20°84'40	6°53'14		
5752				6	10°63'16	8°91'40			5805				7	20°86'84	6°33'85		
5753				2	11°04'13	8°69'35											
5754				7	11°36'92	8°68'55											
5755	14	22°72'23	20°19'10	26§	12°23'12	8°02'35	69 763	9°5									

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 14 <sup>h</sup> 40 <sup>m</sup> to 14 <sup>h</sup> 50 <sup>m</sup> —contd.										R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2638. 1895, May 27.					R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2668. 1895, June 8.					Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2638. 1895, May 27.					R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2669. 1895, June 8.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
							No.	Mag.								No.	Mag.		
5806				3	15°7347	7°8586	°	m.	5859				4	13°8965	2°4053	°	m.		
5807	4*	5°2462	19°9466	15	15°7633	7°8097			5860	14	17°0688	15°0682	28§	6°3847	3°1682				
5808	5†	7°0737	19°6346	16	17°5995	7°5684			5861				5	11°4403	3°3416				
5809	3*	7°3269	19°4816	8	17°8598	7°4275			5862				5	11°8108	3°2103				
5810	15	9°3244	19°4159	24§	19°8590	7°4438			5863				8	13°0195	3°3521				
5811	6	9°4518	19°9510	17§	19°9658	7°9858			5864	30§	17°2525	16°1099	48§	6°6098	4°2026	69	775		
5812				4	20°4898	7°6858			5865				5	8°0820	4°6863				
5813				4	14°4704	8°3443			5866				5	8°2909	4°6423				
5814	4*	4°3783	21°0912	15§	14°8468	8°9174			5867	5	19°0748	16°4500	17	8°4446	4°4680				
5815	32§	4°3627	20°5933	44§	14°8533	8°4187	69	765	5868	3*	20°5078	16°2849	15	9°8707	4°2446				
5816				7	16°1654	8°9149			5869				4	3°9098	5°0508				
5817	22§	5°7205	20°8154	38§	16°1995	8°6960	69	767	5870				4†	4°1654	5°9459				
5818	3*	5°9611	20°8591	8	16°4375	8°7497			5871				10	5°8444	5°7683				
5819	6	13°8173	20°1788	20§	24°3169	8°3890			5872	3*	16°4448	17°1533	11	5°8496	5°2776				
5820				5	15°0080	9°3445			5873				6	8°0225	5°3849				
5821	14	5°4651	21°4108	23§	15°9218	9°2789	69	766	5874				7	8°1101	5°7467				
5822				6	17°7936	9°9705			5875				12	12°1049	5°0655				
5823	3	8°1904	21°5801	14§	18°6355	9°5615			5876				4	12°7153	5°6171				
5824				4	18°8459	9°9491			5877	29	23°9545	17°8425	34§	13°3764	5°6592	69	779		
5825				9	18°8507	9°6696			5878				3	13°5985	5°1806				
5826	8	11°2157	21°7899	23§	21°6520	9°8957			5879				5	5°7787	6°5932				
5827				4	21°7887	9°3264			5880				5	9°8146	6°1648				
5828	11	13°1627	20°9690	26§	23°6305	9°1518			5881				9	11°1865	6°7292				
5829				5	19°4365	10°0435			5882				6	12°7262	6°1073				
5830				5	19°7556	10°5204			5883				15	13°4869	6°8569				
5831	25§	10°0465	22°6524	34§	20°4487	10°7093	69	769	5884	8	15°1208	19°1071	22	4°6053	7°2854				
5832				5	22°7825	10°7217			5885				5	5°0620	7°6479				
5833	25§	13°2868	21°8377	47§	23°7205	10°0258	69	772	5886	4	17°6301	19°2276	12	7°1162	7°2985				
5834				10	17°0240	11°8869			5887				4	13°2147	7°8238				
5835				3	18°8921	11°2413			5888				9	8°6435	8°4691				
5836				2	18°9736	11°2393			5889	6	19°2870	20°4014	20§	8°8175	8°4077				
5837	2*	8°6815	23°7009	9	19°0387	11°6991			5890				9	12°0612	8°0522				
5838				5	22°1730	11°4385			5891				3	12°0745	8°1261				
5839	3*	11°9251	23°0877	12	22°3075	11°2200			5892	7	22°5450	20°9321	20	12°0943	8°8048				
5840				5	22°5422	11°8844			5893	11	23°5890	20°5612	24§	13°1223	8°3916				
5841				12	15°5024	12°9501			5894				5	4°6988	9°5098				
5842				4	16°4014	12°7736			5895				4†	5°8718	9°6480				
5843	19	6°7592	24°9229	36§	17°0712	12°8420	70	804	5896				6	6°6413	9°9083				
5844	20§	8°2887	24°5188	35§	18°6193	12°4991	70	807	5897	29§	18°4362	21°5661	46§	8°0160	9°6062	69	776		
5845	5	8°3520	24°3152	17§	18°6952	12°1991			5898				6	10°0535	9°3204				
5846				9	20°6385	12°2369			5899				7	10°2967	9°9441				
5847				6	20°9460	12°3953			5900				7	11°0938	9°5945				
5848				4	23°9728	12°6907			5901	29§	14°0477	21°8220	52§	3°6430	10°0405	69	773		
5849	6*	5°4641	25°9751	16§	15°7363	13°8380			5902				5	4°8353	10°4788				
5850	14	6°3234	25°7350	25§	16°6029	13°6364	70	803	5903				4	5°3150	10°3605				
5851	4	7°1677	25°3709	14	17°4579	13°3075			5904				5	6°1402	10°9426				
5852				6	19°4356	13°7616			5905				9	6°9260	10°2893				
5853				6	19°9343	13°0205			5906	4*	17°4403	22°7771	11	7°0730	10°8573				
5854	6*	13°3535	25°6382	18§	23°6325	13°8248			5907				4	8°5538	10°0543				
R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>									R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>										
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2638. 1895, May 27.					R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2669. 1895, June 8.					Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2638. 1895, May 27.					R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2669. 1895, June 8.				
5855				5	7°1699	2°2143	°	m.	5913				6	13°3898	10°7667				
5856	5	19°0278	14°1752	21	8°3050	2°1972			5914				6	8°1085	11°9004				
5857				4	9°4307	2°7014			5915				7	9°4466	11°8032				
5858	12	22°9975	14°4027	31§	12°2815	2°2645	69	777	5916	3*	19°9461	23°7926	12	9°6154	11°7701				
									5917				5	9°7221	11°1420				

No. 5893. This appears to be a double star, but is measured as one mass.

1 second interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.



## ZONE + 69°.

R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. +69°				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				
Plate 2638. 1895, May 27.				Plate 2669. 1895, June 8.				Plate 2665. 1895, June 6.				Plate 2669. 1895, June 8.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
R.A. 14 <sup>h</sup> 50 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre R.A. 14 <sup>h</sup> 50 <sup>m</sup> Dec. +69°								Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. +69°								
Plate 2638. 1895, May 27.								Plate 2665. 1895, June 6.								
Plate 2669. 1895, June 8.								Plate 2669. 1895, June 8.								
5918				5	9°8757	11°3543	°	5971	18	6°7647	22°7595	20§	17°1926	10°7007	°	
5919	9	22°8115	23°8238	24§	12°4798	11°6826	69 778	9°5	5972	36§	8°0003	22°1152	44§	18°4540	10°1076	69 783
5920				7	4°4059	12°9698			5973	12	8°7860	22°1248	15	19°2368	10°1509	8°7
5921				4	5°2867	12°5318			5974				3†	19°6292	10°6425	
5922	15	16°3974	24°3448	26§	6°0951	12°4675			5975	9	12°0687	22°5495	13	22°5003	10°7072	
5923	27§	16°4014	24°4870	43§	6°1053	12°6085	70 812	9°0	5976				3	14°7197	11°7313	
5924	12	17°0482	24°0143	22§	6°7330	12°1092			5977	6	12°8348	23°0290	9	23°2469	11°2171	
5925				4	8°3600	12°3115			5978	4	13°7422	23°0659	4	24°1514	11°2928	
5926				4	9°4554	12°3433			5979	15	5°3445	24°2379	19§	15°7125	12°1250	
5927				5	13°7382	12°7116			5980	2*	6°8064	24°2552	3	17°1688	12°1984	
5928				6	3°8245	13°0823			5981				4	17°5511	12°9472	
5929				7	6°9210	13°4573			5982	15	7°3690	24°4952	20§	17°7253	12°4604	70 821
5930	22	17°7640	24°9511	32§	7°4841	13°0188	70 815	9°1	5983	3*	7°6116	24°6832	5	17°9633	12°6585	9°5
5931				9	9°1315	13°5019			5984	2†	9°2052	24°6354	3	19°5552	12°6774	
5932				18	9°7376	13°6521			5985	2*	9°9762	24°0271	3	20°3463	12°1016	
5933				17	10°7618	13°7521			5986	46§	4°0547	25°4440	44§	14°3775	13°2743	70 819
R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 10 <sup>m</sup>								R.A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup>								
Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				
Plate 2665. 1895, June 6.				Plate 2669. 1895, June 8.				Plate 2665. 1895, June 6.				Plate 1142. 1893, May 22.				
5934	14	8°3849	14°2660	24§	19°1539	2°2807	°	5992	4†	14°7421	14°7374				°	
5935	12	12°8913	14°1802	16	23°6611	2°3788		5993	4	15°3145	14°3181				m.	
5936	10	3°3532	15°5103	20§	14°0790	3°3211		5994	9	19°9422	14°4932	10	9°1760	2°4913		
5937	6	8°9007	15°3185	10	19°6284	3°3561		5995	7	20°9908	14°9615	9	10°2423	2°9110		
5938	7	12°1799	15°7753	10	22°8843	3°9428		5996	3†	21°1071	14°8059	2*	10°3562	2°7533		
5939	6	4°1827	16°4648	13	14°8662	4°3081		5997	10	23°5889	14°6344	12	12°8259	2°4744		
5940	3*	4°5592	16°8919	3	15°2230	4°7448		5998	23§	14°3496	15°0931	34§	3°6144	3°3306	69 784	
5941	3*	7°3731	16°6402	3	18°0473	4°6077		5999	19§	14°9778	15°7217	27§	4°2708	3°9309	9°5	
5942	2*	9°8307	16°7188	3*	20°5231	4°7915		6000	22§	15°3432	15°4658	32§	4°6235	3°6601	69 785	
5943	10	10°9030	16°5150	22§	21°5805	4°6301		6001	4*	15°5748	15°2819	4†	4°8523	3°4656	9°4	
5944	3†	5°8955	17°8872	3	16°5213	5°7968		6002	9	17°0185	14°9278	16	6°2748	3°0508		
5945	5	6°1950	17°2522	9	16°8482	5°1763		6003	4†	19°3886	15°3519	4	8°6658	3°3733		
5946				3†	19°6297	5°7648		6004	4	15°2840	16°2551	3*	4°6031	4°4520		
5947	20§	6°2866	18°2125	24§	16°8987	6°1403	69 782	9°5	6005	4	17°2525	16°6008	5†	6°5823	4°7129	
5948	14	8°4470	18°2414	22§	19°0563	6°2561		6006	29§	17°4720	15°9645	40§	6°7728	4°0665	69 787	
5949	8	9°8538	18°8975	12	20°4350	6°9698		6007	3	20°2116	16°8282	4	9°5448	4°8088	9°0	
5950	6	12°6474	17°9528	8	23°2647	6°1358		6008	40§	20°2613	16°1294	47§	9°5669	4°1094	69 792	
5951	4	5°1254	19°2938	6	15°6964	7°1712		6009	5	21°4658	16°3796	7	10°7808	4°3108	8°5	
5952	17	7°4985	19°7800	24§	18°0468	7°7525		6010	4	23°8768	16°5800	4	13°1980	4°4059		
5953	4	10°2726	19°5177	6	20°8285	7°6053		6011	4*	16°7654	17°1584	4	6°1178	5°2929		
5954	4	13°8738	18°8094	6*	24°4542	7°0418		6012	19§	18°1218	17°0643	23§	7°4685	5°1346		
5955	26§	5°2837	20°7649	31§	15°7937	8°6473	69 781	9°5	6013	12§	18°3550	17°5119	19§	7°7215	5°5735	
5956	7	6°9933	20°0580	11	17°5293	8°0118		6014	88§	18°3711	17°7453	101§	7°7487	5°8054	69 789	
5957	5	7°0245	20°1867	9	17°5559	8°1408		6015	6	19°1586	17°5472	5	8°5253	5°5748	6°5	
5958	3*	8°3525	20°8002	4	18°8572	8°8089		6016	3†	20°0585	17°8101	6	9°4345	5°7992		
5959	2*	9°2435	20°4926	3	19°7627	8°5372		6017				2	9°5721	5°9628		
5960	13	9°5512	20°5987	22	20°0648	8°6571		6018	22§	20°9327	17°7648	26§	10°3071	5°7153		
5961				4†	21°0258	8°7547		6019	6	21°8086	17°2220	6	11°1599	5°1351		
5962	4	11°6117	20°1175	4	22°1434	8°2592										
5963	3†	11°8610	20°6497	4	22°3689	8°7975										
5964	3*	12°3252	20°2834	3*	22°8469	8°4572										
5965	6	7°1012	21°0901	10	17°5628	9°8647										
5966	8	9°4610	21°2990	14	19°9463	9°3547										
5967	4	10°3815	21°1381	6	20°8742	9°2301										
5968	4*	11°2887	21°0295	5	21°7833	9°1568										
5969	10	12°8473	21°5991	16	23°3157	9°7894										
5970	17	4°0777	22°9668	21§	14°4991	10°7989										

No. 5919, B. D. 69° 778. The declination given in the B. D. appears to be about 2° too small.

1 réseau interval represents very nearly 5' = 55".8 at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 15 <sup>h</sup> 10 <sup>m</sup> to 15 <sup>h</sup> 20 <sup>m</sup> —contd.										R.A. 15 <sup>h</sup> 20 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre		R.A. 15 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre		R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			
Plate 2665. 1895, June 6.						Plate 1142. 1893, May 22.				Plate 2042. 1894, May 17.		Plate 1142. 1893, May 22.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
								No.	Mag.									No.	Mag.
6020	6	15°19'83	18°15'54	9	4°59'54	6°35'54		m.	6070	6	11°84'19	15°69'35	21§	22°49'39	3°82'79		m.		
6021	7	19°17'53	18°94'28	8	8°60'20	6°96'95			6071	3	13°93'58	15°57'95	4	24°59'08	3°79'79				
6022	8	23°26'78	18°54'28	11	12°67'55	6°39'47			6072	21	3°86'41	16°72'02	26§	14°48'17	4°53'43				
6023	4*	23°45'79	18°81'00	6	12°87'63	6°65'12			6073	2*	4°37'54	16°88'11	8	14°98'75	4°71'32				
6024	6	14°81'43	19°30'97	7	4°26'28	7°52'58			6074				2	16°07'83	4°49'41				
6025	4*	20°52'60	19°11'29	5	9°96'10	7°07'83			6075	15	7°06'95	16°45'67	22§	17°69'36	4°39'83				
6026	12	20°85'31	19°64'08	19§	10°30'78	7°59'35			6076	2*	8°04'64	16°03'71	4	18°68'81	4°01'90				
6027	8	21°83'51	19°42'03	11	11°28'01	7°33'14			6077				4	22°88'66	4°36'62				
6028	5*	22°83'48	19°70'19	7	12°28'86	7°57'06			6078				6	20°95'93	5°01'83				
6029				3	6°75'16	8°24'62			6079				6	15°42'32	6°90'49				
6030	10	18°57'75	20°89'87	12	8°09'00	8°94'78			6080				4	15°65'55	6°28'41				
6031	23§	19°29'49	20°72'91	28§	8°79'82	8°74'71	69	790	9'3	6081	27§	6°38'07	18°46'37	33§	16°92'62	6°37'73	69	796	9'4
6032	4*	19°35'46	20°39'47	4	8°84'19	8°41'69			6082				6	17°09'33	6°43'69				
6033	6	19°41'31	20°61'83	5	8°91'18	8°63'06			6083				3	18°68'75	6°80'14				
6034	8	20°12'83	20°54'38	12	9°62'16	8°52'58			6084				3	19°24'63	6°35'83				
6035	60§	21°36'17	20°25'02	67§	10°84'22	8°18'12	69	793	6'9	6085	14	11°10'00	18°32'09	23	21°64'86	6°42'51			
6036	4*	21°94'60	20°79'86	4*	11°45'61	8°70'49			6086				2	14°15'30	7°38'87				
6037	4*	22°64'44	20°92'16	3	12°15'43	8°79'37			6087				3	14°22'72	7°15'54				
6038	4*	23°07'65	20°39'04	5	12°56'28	8°24'43			6088				3	18°52'68	7°23'49				
6039	8	14°25'86	21°13'90	13	3°78'45	9°37'73			6089	5	10°65'83	19°19'26	14	21°17'24	7°27'69				
6040	3*	14°64'33	21°02'87	4	4°16'79	9°24'70			6090	6	12°52'67	19°15'55	16§	23°04'03	7°31'54				
6041	8	18°54'08	21°22'64	10	8°06'65	9°27'72			6091	4	4°36'73	20°86'63	14	14°81'65	8°69'58				
6042	3*	19°63'02	21°97'36	4	9°18'57	9°97'75			6092				3	16°48'75	8°36'16				
6043	31§	19°81'31	21°98'78	38§	9°37'01	9°98'33	69	791	9'4	6093	8	7°21'73	20°73'99	16§	17°66'98	8°68'59			
6044	7	16°07'83	22°43'99	12	5°66'21	10°59'79			6094				5	19°14'79	8°80'06				
6045	34§	16°31'25	22°42'56	45§	5°89'40	10°57'43	69	786	8'5	6095	2*	9°24'07	20°11'14	6	19°71'78	8°13'73			
6046	4†	16°83'32	22°36'82	5	6°41'45	10°49'21			6096	4	10°24'63	20°64'29	14	20°70'06	8°70'97				
6047	19§	17°37'22	21°93'86	21§	6°93'25	10°03'98			6097				4	16°79'57	9°64'28				
6048	26§	17°64'57	22°82'66	36§	7°24'36	10°91'58	69	788	8'6	6098				3	18°12'36	9°03'05			
6049				4	8°26'60	10°54'48			6099	3*	10°11'99	20°95'12	9	20°56'23	9°01'40				
6050	5	21°11'66	22°86'70	7	10°71'33	10°80'75			6100	27§	11°36'33	20°99'18	36§	21°80'12	9°10'51	69	798	9'2	
6051	6	22°16'88	22°33'01	9	11°73'96	10°22'53			6101				4	21°96'78	9°63'53				
6052	8	17°28'35	23°85'44	8	6°92'50	11°95'85			6102	3*	7°65'74	22°80'61	11	18°02'75	10°76'70				
6053	8	17°44'62	23°90'13	8	7°08'95	11°99'90			6103	42§	7°68'39	22°70'88	48§	18°05'88	10°66'51	69	797	8'7	
6054	7*	21°92'40	23°16'18	10	11°53'15	11°06'56			6104	2*	10°71'73	22°48'42	8	21°09'70	10°56'88				
6055	4*	23°01'75	23°47'69	4	12°63'79	11°33'06			6105	3*	11°08'45	22°57'28	12	21°46'15	10°67'44				
6056	21§	23°73'26	23°43'55	28§	13°35'13	11°26'12	69	794	9'5	6106	9	13°06'12	22°06'20	20	23°45'61	10°24'18			
6057	16	18°94'21	24°89'74	19§	8°62'67	12°92'90			6107				11	14°01'88	11°87'10				
6058	6*	18°99'05	24°62'21	12	8°66'57	12°65'09			6108				5	14°32'18	11°20'03				
6059	29§	15°99'15	25°37'96	36§	5°70'15	13°53'90	70	831	9'0	6109				4	14°67'94	11°47'05			
6060				3	9°83'14	13°20'74			6110	10	5°65'10	24°03'45	20§	15°97'43	11°91'13				
6061	3*	20°49'65	25°37'95	7	10°20'19	13°34'01			6111	6	8°63'82	23°66'05	15	18°97'25	11°65'94				
6062				4	10°78'45	13°23'64			6112	5*	9°83'84	23°56'15	11	20°17'58	11°61'08				
	33§	26°41'58	15°44'04				69	795	8'7	6113	3	12°34'26	23°63'92	10	22°67'27	11°79'12			
										6114				6	20°68'54	12°96'37			
										6115	17	11°58'00	24°43'44	24§	21°88'08	12°55'13			
										6116				4	23°78'44	12°20'72			
										6117	2*	4°91'59	26°11'46	11*	15°15'28	13°96'30			
										6118	5*	10°87'45	25°32'77	14	21°14'04	13°41'64			
										6119				3	21°85'75	13°70'06			
R.A. 15 <sup>h</sup> 20 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup>										R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup>									
Centre		R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre		R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 2042. 1894, May 17.						Plate 1142. 1893, May 22.				Plate 2042. 1894, May 17.		Plate 1134. 1893, May 17.							
6063	7	5°88'75	14°41'33	21	16°59'85	2°31'19		m.	6120	28§	14°91'43	14°42'42	43§	4°13'69	2°65'39	69	800	9'5	
6064	2*	11°44'62	14°55'89	3†	22°14'72	2°67'62			6121	21§	22°25'89	14°97'28	28§	11°50'46	2°89'85				
6065	9	12°28'95	14°65'35	23	22°98'33	2°80'78													
6066				5	14°53'08	3°66'73													
6067	8	4°50'60	15°99'88	17	15°15'29	3°83'58													
6068	31§	5°01'00	15°29'65	41§	15°68'48	3°15'76	69	795	8'7										
6069	23	11°30'17	14°91'81	40§	21°98'90	3°03'15													

No. 6117, Plate 1142. The 3<sup>min.</sup> image coincides with a fault on the plate.

reference interval represents very nearly 5' = 55°8 at Dec. + 69°, and 58°5 at Dec. + 70°.



## ZONE + 69°.

R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								R.A. 15 <sup>h</sup> 40 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup>									
Centre R.A. 15 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°					
Plate 2042. 1894, May 17.				Plate 1134. 1893, May 17.				Plate 2081. 1894, June 21.				Plate 1134. 1893, May 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
6122	10	17.4113	14.9225	17	6.6585	3.0497	°	m.	6181	5	7.9184	14.0215	6	18.6664	2.0465	°	m.
6123	5	19.5082	15.7439	10	8.7865	3.7846			6182	9	12.6127	14.1107	11	23.3535	2.3191		
6124	65§	22.9040	15.7746	68§	12.1809	3.6723	69 808	8.0	6183	10	4.2098	15.4018	14	14.9086	3.2816		
6125	4	14.2648	16.4209	7	3.5749	4.6753			6184	4	5.4568	15.7728	5	16.1424	3.6978		
6126	3*	14.4477	16.4621	6	3.7605	4.7088			6185	6	8.0155	15.3468	9	18.9138	3.3739		
6127	2*	17.1697	16.1827	4	6.4659	4.3174			6186	3	13.7653	15.3056	4*	24.4635	3.5574		
6128	8	17.8111	16.4975	17	7.1256	4.6055			6187	37§	7.5565	16.7983	40§	18.1986	4.8080	69 811	9.0
6129	25§	18.1117	16.3947	27§	7.4185	4.4907			6188	12	9.3897	15.9838	20	20.0638	4.0628		
6130	5	18.9348	16.1425	9	8.2328	4.2039			6189	3*	9.9483	16.0620	5	20.6178	4.1651		
6131	35§	22.3028	16.4831	36§	11.6090	4.4062	69 807	9.2	6190	6	11.5897	16.5672	14	22.2375	4.7341		
6132				9	12.0968	4.6553			6191	8	11.6737	16.1401	14	22.3379	4.3102		
6133	25	24.2258	16.5246	26	13.5320	4.3686	69 809	9.5	6192	7	11.9054	16.4470	11	22.5605	4.6248		
6134	4*	20.0167	17.1428	7	9.3541	5.1601			6193	18	12.2081	15.9016	29§	22.8827	4.0917		
6135	5*	22.2731	17.4528	10	11.6191	5.3758			6194	6	13.6789	16.3864	6*	24.3342	4.6351		
6136	13	23.0330	17.7989	18	12.3938	5.6900			6195	44§	12.9728	17.4714	54§	23.5855	5.6885	69 816	8.8
6137	5*	23.7672	17.2819	10	13.1075	5.1441			6196	10	13.4461	17.0308	11	24.0749	5.2676		
6138				3	13.3648	5.2190			6197	7	5.1195	18.3330	9	15.7022	6.2425		
6139	4*	16.2463	18.3631	6	5.6357	6.5343			6198	6	5.5523	18.5514	8	16.1294	6.4789		
6140	18	17.4297	18.5000	21§	6.8249	6.6204			6199	6	6.6829	18.9278	7	17.2407	6.8991		
6141	6	19.4658	18.9162	14	8.8767	6.9543			6200	9	9.9125	18.3120	16	20.4914	6.4114		
6142				7	11.5714	6.0845			6201	19§	10.3945	17.9198	23§	20.9910	6.0375		
6143				7	12.3801	6.0088			6202	23§	11.7041	18.7852	30§	22.2650	6.9540	69 814	9.5
6144	2*	14.2087	19.3289	4	3.6438	7.5853			6203	35§	13.0829	18.7062	48§	23.6476	6.9292	69 817	8.8
6145	23	18.3775	19.1677	24§	7.7983	7.2493	69 802	9.5	6204	8	6.4641	19.7221	8	16.9925	7.6839		
6146				5	9.3596	7.2401			6205	2*	8.9654	18.9417	2	19.5198	7.0045		
6147				5	9.5375	7.2621			6206	10	9.2193	19.0842	18	19.7700	7.1541		
6148	8	20.4118	19.3272	12	9.8376	7.3279			6207	6†	4.1164	20.5242	10	14.6150	8.3950		
6149	6	20.8111	19.1263	10	10.2269	7.1116			6208				3	15.0416	8.2507		
6150	46§	14.1765	19.8205	49§	3.6286	8.0748	69 799	8.6	6209	4*	10.4404	20.7325	6	20.9250	8.8485		
6151	43§	15.3371	19.8726	48§	4.7917	8.0803	69 801	7.6	6210	4	10.5798	19.9106	10	21.0983	8.0330		
6152	17	20.6196	20.1932	21§	10.0799	8.1820			6211	6	10.6290	20.8041	7	21.1098	8.9273		
6153	4*	14.8977	20.8706	9	4.3948	9.0973			6212	6	11.7470	20.1215	7	22.2552	8.2913		
6154	8	15.6952	20.8945	17	5.1922	9.0859			6213	22§	11.8121	20.1367	36§	22.3208	8.3081	69 815	9.4
6155				5	5.5539	9.6289			6214	4	12.6825	20.3811	4	23.1793	8.5850		
6156	7	19.9920	21.6560	13	9.5151	9.6700			6215	13	6.8162	21.2936	14	17.2819	9.2687		
6157	39§	21.3995	21.5882	40§	10.9173	9.5452	69 805	8.5	6216	24§	11.4888	21.1426	25§	21.9592	9.3012		
6158	82§	21.7382	21.3169	91§	11.2453	9.2605	69 806	6.0	6217	7	13.0043	20.9598	14	23.4817	9.1775		
6159	6	14.3572	22.2919	10	3.9135	10.5379			6218	11	5.3429	22.8961	18	15.7490	10.8102		
6160	3*	15.6672	22.6713	6	5.2354	10.8613			6219	4*	5.7424	22.7229	5	16.1527	10.6560		
6161	20	17.8430	22.1384	22§	7.3880	10.2411			6220	17	11.2200	22.3187	21§	21.6417	10.4666		
6162				5	8.2958	10.5334			6221	6	12.4476	22.7309	11	22.8509	10.9260		
6163				4	9.4258	10.1091			6222	6†	7.7108	23.5814	7	18.0863	11.5882		
6164				5	10.4242	10.6931			6223	65§	10.7548	23.3183	82§	21.1402	11.4467	69 813	7.1
6165	10	23.6974	23.0545	19§	13.2728	10.9110			6224	5	4.3096	24.5720	6	14.6467	12.4468		
6166				5	13.9698	10.2356			6225	4*	7.4451	24.0021	5	17.8022	12.0020		
6167	10*	24.4092	22.9136	20	13.9773	10.7409			6226	2*	8.0787	24.2853	4*	18.4239	12.3143		
6168	6	17.8691	23.7225	10	7.4828	11.8204			6227	11	8.4009	24.5526	19	18.7401	12.5863		
6169				11	13.6620	11.1913			6228	23§	13.0327	24.4723	25§	23.3666	12.6884	70 848	9.5
6170				5	10.4844	12.0290			6229				8	19.3082	13.1839		
6171	6	21.7422	24.8631	14	11.3934	12.8007			6230	3*	9.6193	25.2186	7	19.9297	13.2982		
6172				6	3.9558	13.4063			6231	7	9.7759	25.1988	10	20.0865	13.2868		
6173	2*	14.7157	25.4843	8	4.4035	13.7098			6232	4*	10.6326	25.3557	8	20.9342	13.4759		
6174				5	5.0415	13.6118											
6175	7	18.1472	25.0448	16	7.8148	13.1351				70§	1.4986	15.9008				69 808	8.0
6176				6	8.8143	13.1963											
6177				4	9.5304	13.0836											
6178				6	12.6614	13.2895											
6179				6	12.7508	13.2092											
6180				9	13.8245	13.3975											

x réseau interval represents very nearly 5" = 55".8 at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup>								R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 15 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 2081. 1894, June 21.				Plate 1135. 1893, May 17.				Plate 2081. 1894, June 21.				Plate 1135. 1893, May 17.				
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
B. D.								B. D.								
No. Mag.								No. Mag.								
6233	6	15°40'24	14°13'62	6	4°66'79	2°38'36	o	6292	24	18°76'91	23°90'74	278	8°44'03	12°00'40	69° 827	
6234	288	16°68'07	14°62'50	458	5°96'55	2°81'87	69 820	6293	14	23°13'45	24°80'01	24	12°83'61	12°71'32	9°5	
6235	298	16°93'51	14°13'67	458	6°20'16	2°31'81	69 824	6294	7	15°77'41	25°65'84	14	5°52'40	13°88'00		
6236	698	17°63'45	14°07'79	888	6°89'47	2°23'26	69 825	6295	4*	16°06'00	25°62'35	10	5°80'71	13°83'54		
6237	6	18°57'14	14°33'50	7	7°84'27	2°44'88		6296	6	16°91'31	25°26'07	9	6°63'95	13°43'37		
6238	6	22°30'16	14°97'50	7	11°59'60	2°93'15		6297	4*	17°58'32	25°21'13	10	7°31'31	13°35'80		
6239	15	22°47'07	14°34'99	24	11°73'90	2°30'09		6298	508	21°60'75	25°08'80	528	11°32'33	13°06'31	70 853	
6240				5	13°87'62	2°24'71		6299				6	13°12'95	13°52'59	8°9	
6241	238	15°05'63	15°20'03	408	4°36'59	3°45'95	69 819									
6242	5	21°06'85	15°23'41	6	10°37'52	3°24'34		578	22°80'21	26°07'20				70 856	8°6	
6243	19	22°50'75	15°18'55	238	11°80'94	3°13'45		518	23°85'36	26°36'96				70 857	9°0	
6244	4*	24°01'01	16°04'01	6	13°34'90	3°92'45		R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup>								
6245	21	14°46'35	16°64'13	368	3°83'47	4°92'47		Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
6246	4	19°57'63	16°72'03	4	8°94'55	4°78'89		Plate 2670. 1895, June 8.				Plate 1135. 1893, May 17.				
6247	5	19°96'88	16°16'42	10	9°31'71	4°21'73		6300	5	6°90'56	13°98'85				o	m.
6248	5	20°47'05	16°77'20	6	9°83'85	4°80'35		6301	8	6°15'07	14°77'15	4	16°88'47	2°69'36		
6249	5†	23°76'82	16°44'70	6	13°12'31	4°34'14		6302	6	7°50'28	14°30'18					
6250	13	15°93'06	17°43'92	20	5°33'43	5°65'94		6303	18	9°61'79	14°42'89	16	20°36'37	2°48'42		
6251	248	16°91'32	17°37'22	378	6°31'30	5°55'21	69 823	6304	7	10°14'11	14°61'56	2†	20°88'13	2°68'72		
6252	4	17°82'29	17°46'44	3	7°22'59	5°60'60		6305	3	3°93'14	15°91'86					
6253	158	18°36'00	17°16'83	21	7°74'98	5°28'84		6306	16	6°27'42	15°94'33	11	16°96'35	3°86'58		
6254				5	9°29'08	5°31'66		6307	5	7°82'38	15°26'87	3	18°53'98	3°25'64		
6255	4*	20°83'91	17°17'79	5	10°22'64	5°19'57		6308	4	9°17'73	15°86'32	3†	19°86'87	3°89'57		
6256	3*	24°02'51	17°23'63	5	13°41'21	5°11'87		6309	5	4°54'31	16°69'70	3	15°20'24	4°55'09		
6257	8	15°41'98	18°33'75	11	4°86'54	6°57'96		6310	5	5°28'60	16°42'81	3*	15°95'74	4°31'22		
6258	15	18°37'16	18°30'73	19	7°81'09	6°42'33		6311	478	10°53'80	16°41'14	418	21°20'38	4°50'01	69 834	9°0
6259	5	20°00'13	18°86'13	8	9°45'89	6°90'91		6312	218	11°23'03	16°19'88	21	21°90'80	4°31'31		
6260	4	21°06'87	18°36'21	5	10°50'66	6°36'75		6313	15	4°81'86	17°15'76	11	15°46'25	5°02'20		
6261				4	11°09'03	6°99'43		6314	4	5°54'80	17°31'39	3†	16°18'20	5°20'67		
6262	10	24°15'95	18°79'69	12	13°61'02	6°67'26		6315	298	9°17'25	17°28'49	258	19°80'63	5°32'24	69 833	9°3
6263	30	24°41'28	18°41'65	288	13°84'82	6°27'93		6316	268	9°18'45	17°28'84	238	19°82'05	5°32'63		
6264				4	12°81'05	7°45'76		6317	208	12°69'75	17°94'60	20	23°30'41	6°11'80		
6265	348	24°00'08	19°99'23	418	13°50'16	7°87'37	69 831	6318	9	4°26'67	18°36'17	6	14°86'17	6°20'51		
6266	218	15°14'51	20°40'03	248	4°67'45	8°65'03		6319	3	5°82'56	18°06'98	3	16°43'03	5°97'08		
6267	4	15°96'58	20°15'00	5	5°48'49	8°36'83		6320	5	12°54'70	18°75'54					
6268	5	17°17'66	20°02'88	9	6°68'65	8°19'61		6321	11	13°33'59	18°64'40	16	23°92'45	6°83'49		
6269	8	17°65'68	20°09'70	12	7°16'87	8°24'23		6322	11	13°35'14	18°63'55					
6270	20	19°52'94	20°39'93	23	9°05'33	8°46'58	69 828	6323	14	13°70'01	18°02'05	14	24°30'30	6°23'31		
6271	11	22°74'49	20°40'08	14	12°26'45	8°33'48		6324	448	13°71'37	18°19'58	388	24°31'14	6°41'13	69 836	9°3
6272	9	23°79'56	20°30'02	15	13°30'99	8°19'12		6325	5	4°60'45	19°33'61	3	15°16'28	7°19'11		
6273	6*	24°20'99	20°25'30	10	13°72'29	8°12'62		6326	5	7°66'25	19°03'15	3*	18°22'96	7°00'59		
6274	378	24°36'91	20°15'62	408	13°87'94	8°02'43		6327	5	8°01'85	19°30'50	4	18°57'52	7°29'23		
6275	6	15°40'84	21°38'82	7	4°97'80	9°62'38		6328	6	12°61'39	19°59'58	3	23°15'89	7°76'22		
6276	4*	18°65'44	21°07'29	6	8°20'98	9°17'47		6329	4	4°28'17	20°33'91	3†	14°80'04	8°18'07		
6277	5*	21°19'55	21°08'14	8	10°78'49	9°97'68		6330	15	5°41'62	20°79'67	10	15°91'72	8°68'31		
6278	10	22°26'56	21°69'52	10	11°83'84	9°64'66		6331	188	9°84'51	20°72'77	13	20°34'95	8°78'60		
6279	5*	23°91'22	21°95'29	10	13°49'60	9°83'88		6332	358	10°01'85	20°08'18	278	20°54'66	8°14'88		
6280	3*	14°62'96	21°88'15	4	4°22'49	10°15'50		6333	13	11°13'63	20°97'83	10	21°62'74	9°08'73		
6281	5	16°52'46	22°07'56	7	6°12'28	10°26'90		6334	3*	5°04'51	21°48'13	3*	15°51'50	9°35'09		
6282	12	18°98'75	22°78'15	18	8°61'23	10°87'04		6335	17	11°50'10	21°81'50	10	21°95'63	9°93'70		
6283	8	23°19'41	22°51'33	13	12°79'89	10°42'72		6336	8*	4°44'83	22°03'87	4	14°90'13	9°88'36		
6284	6	15°28'27	22°82'40	6	4°91'14	11°06'80		6337	6	7°04'45	22°36'93	4†	17°48'44	10°31'65		
6285	12	16°56'98	23°19'63	17	6°21'47	11°38'58	69 821	6338	4	7°05'15	22°24'30					
6286	338	18°51'44	22°95'78	408	8°14'61	11°06'85	69 826	6339	2*	8°75'21	22°62'61	2*	19°18'20	10°64'27		
6287	16	21°54'57	23°69'72	19	11°20'57	11°67'73		6340	15	10°43'04	22°35'14	6	20°86'58	10°43'11		
6288	6	22°50'31	23°23'08	12	12°14'15	11°17'54		6341	10	11°35'95	22°64'60	6	21°78'18	10°76'28		
6289				11	13°84'22	11°31'95										
6290	408	16°74'87	24°13'86	488	6°43'23	12°32'24	69 822									
6291	4*	18°44'31	24°58'06	5	8°14'57	12°69'35										

Nos. 6321, 6322, Plate 1135. The images are not separable, but are measured as one mass.

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.



ZONE + 69°.

R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup> —contd.							R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup>								
Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				
Plate 2670. 1895, June 8.				Plate 1135. 1893, May 17.			Plate 2670. 1895, June 8.				Plate 4446. 1899, May 4.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.		
							B. D.								
							No.	Mag.							
6342	13	4'1006	23'2737	8	14'5058	11'1105									
6343	6	5'8489	23'3635	5	16'2508	11'2648									
6344	4	13'4837	23'6120												
6345	8	4'2094	24'3875	6	14'5694	12'2196									
6346	4	4'6022	24'3894	2*	14'9589	12'2424									
6347	19	7'0332	24'1619	12	17'4006	12'1076									
6348	8	9'0950	24'5058	6	19'4483	12'5352									
6349	21	10'3149	24'6190	16	20'6621	12'6939									
6350	5	10'3286	24'8106	2	20'6660	12'8858									
6351	10	10'7965	24'9533	7	21'1270	13'0460									
6352	32§	11'1352	24'4093	28§	21'4891	12'5157	69	835	9'5						
6353	4*	9'3790	25'5832	3*	19'6872	13'6174									
		80§	2'2657						70	856	8'6				
		73§	3'3389						70	857	9'0				
		50§	12'4944						70	867	9'1				
		48§	2'9723						69	831	8'5				
		46§	3'3534						69	832	8'7				
R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 20 <sup>m</sup>							R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 16 <sup>h</sup> 10 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				
Plate 2670. 1895, June 8.				Plate 4446. 1899, May 4.			Plate 420. 1892, June 10.				Plate 4446. 1899, May 4.				
6354	7	17'5156	14'0791	6†	6'8140	1'9584									
6355	18	18'8229	14'7148	19	8'1406	2'5415									
6356	7	18'9588	15'0944	5	8'2903	2'9128									
6357	41§	21'4817	14'4963	41§	10'7910	2'2207	69	841	9'1						
6358	5	22'1157	15'0658	5†	11'4470	2'7653									
6359	13	14'7120	15'4642	11	4'0650	3'4444									
6360	8	15'0785	15'9448	6*	4'4502	3'9116									
6361	27§	15'5600	15'7176	27	4'9200	3'6643									
6362	21§	16'1424	15'8498	22	5'5100	3'7765									
6363	43§	16'9680	15'5723	33§	6'3216	3'4679	69	838	9'0						
6364	24§	19'3091	15'2277	25§	6'8491	3'0343									
6365	27§	22'1439	15'6982	27§	11'4990	3'3984	69	842	9'5						
6366	9	23'4958	15'7427	9	12'8500	3'3928									
6367	6	16'1303	16'0780	5	5'5034	4'0055									
6368	4	18'1795	16'9431	3*	7'5825	4'7926									
6369	4*	18'3942	16'5078	4*	7'7844	4'3511									
6370	5	20'0517	16'7953	4	9'4477	4'5739									
6371	5	21'8370	16'2213												
6372				7	10'4106	4'8751									
6373	9	22'9598	16'4517	6	12'3404	4'1205									
6374	7	23'3335	17'0900	8	12'7397	4'7445									
6375	12	23'8327	16'9530	14	13'2317	4'5909									
6376	7	14'1185	17'2823	6	3'5404	5'2863									
6377	29§	17'0228	18'0650	30§	6'4697	5'9553									
6378				4	9'2982	5'7505									
6379	14	21'9283	17'3781	14	11'3461	5'0840									
6380	21	17'8523	18'0072	20§	7'3285	6'6657									
6381	22§	21'3851	18'7422	21§	10'8539	6'4680									
6382	4	22'6650	18'6437	4	12'1303	6'3205									
6383	4†	14'6756	19'3138												
6384	7	14'8448	19'6529	8	4'3539	7'6241									
6385	4	15'0924	19'4976	3*	4'5912	7'4609									
6386	12	16'3375	19'4038	14	5'8373	7'3191									
6387	13	16'8670	19'2247	13	6'3597	7'1198									
6388	24§	17'5701	19'9478	22§	7'0893	7'8140	69	839	9'3						
6389	4	17'7033	19'4321	4*	7'2013	7'2956									
6390	4*	19'5644	19'8363	4†	9'0769	7'6289									
6391	4*	19'6616	19'4216	4	9'1585	7'2137									
6392				8	9'5083	7'5575									
6393	5	20'8717	19'8705	6	10'3822	7'6143									
6394	11	23'0909	20'2213	9	12'6150	7'8799									
6395	5	23'5008	19'8631	5	13'0095	7'5067									
6396	11	17'2333	20'9863	10	6'7902	8'8667									
6397	29§	17'8027	20'7738	27§	7'3509	8'6338	69	840	9'5						
6398	26§	21'2260	20'9227	21§	10'7777	8'6540									
6399	29§	22'8182	20'3498	24§	12'3494	8'0178									
6400	9	23'6686	20'8800	6	13'2159	8'5229									
6401	4†	14'5077	21'9302	4	4'1044	9'9125									
6402	4*	19'2802	21'2781	4*	8'8443	9'0831									
6403	23§	20'1030	21'5680	25§	9'6803	9'3398									
6404	4	21'5687	21'7223	4	11'1497	9'4389									
6405	9	23'3163	22'2236	8	12'9152	9'8747									
6406	32§	16'4328	22'4021	28§	6'0435	10'3132	69	837	9'4						
6407	12	16'5241	22'1331	11	6'1266	10'0400									
6408	22§	22'3675	22'3520	17	11'9703	10'0372									
6409	22§	14'5496	23'1315	18	4'1901	11'1112									
6410	10	15'0767	23'6029	9	4'7332	11'5640									
6411	4	18'2267	23'2338	4	7'8687	11'0722									
6412	4	21'9309	23'8348	5	11'5627	11'5344									
6413	5*	23'2489	24'2766	4	12'9243	11'9266									
6414	5*	23'8327	23'8323	5	13'4969	11'4636									
6415	6	14'5430	24'4123	7	4'2318	12'3915									
6416	7	15'8718	24'5876	7	5'5667	12'5158									
6417	6†	16'0065	24'4154	5†	5'6991	12'3401									
6418	4*	17'4108	24'9514	4	7'1185	12'8224									
6419	4†	17'4469	24'8205	4	7'1488	12'6948									
6420	5*	18'9042	24'5004	4	8'5922	12'3149									
6421	13	19'7631	24'9074	9	9'4659	12'6880									
6422	4*	20'6248	24'2526	4	10'3000	12'0010									
6423	21	21'1146	24'8661	15	10'8137	12'5978									
6424	6†	21'3909	25'0423	5	11'0980	12'7638									
6425	8	15'9620	25'7771	8	5'7004	13'7024									
	131§	26'7392	18'3668								69	845	5'5		
R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup>							R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup>								
Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. +69°				R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. +70°				
Plate 420. 1892, June 10.				Plate 4446. 1899, May 4.			Plate 420. 1892, June 10.				Plate 4446. 1899, May 4.				
6426	5	4'7947	14'2374	10	15'6130	1'7129									
6427	24	9'0910	14'3207	39§	19'9000	1'9940	69	848	9'5						
6428	3*	10'5619	14'6821	9	21'3538	2'4225									
6429	6	11'9635	14'3834	14	22'7656	2'1926									
6430	4	12'3974	14'2254	7*	23'2016	2'0522									
6431				4	15'0501	3'4033									
6432	3*	4'8646	15'8980	5	15'6071	3'3749									
6433	7	5'9743	16'2069	15	16'6995	3'7322									
6434	6	8'1107	16'1535	13	18'8365	3'7771									
6435	4	8'4812	16'0960	11	19'2096	3'7397									
6436	32§	11'1914	15'7486	48§	21'9352	3'5163	69	849	9'5						
6437				6	22'5308	3'0868									
6438	44§	13'6113	15'8828	72§	24'3470	3'7618	69	851	8'5						
6439	8	13'6320	15'8735												

1 réseau interval represents very nearly  $5' = 55^{\text{s}}.8$  of R.A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+ 70^{\circ}$ .

## ZONE + 69°.

R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 20 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4446. 1899, May 4.				Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.				R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4446. 1899, May 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
6440				7	22°9630	3°1507		6499				4	21°4728	13°0560	
6441	32§	5°0552	16°8232	36§	15°7520	4°3078	69 843 9°5	6500	41§	12°7001	25°7153	45§	22°9803	13°5446	70 882 8°6
6442	28§	5°1074	17°1561	35§	15°7884	4°6455	69 844 9°3	6501	8	13°0869	25°3253	16	23°3814	13°1704	
6443	4	6°9900	16°4525	7	17°7025	4°0270		R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup>							
6444	4	7°7724	17°1526	10	18°4511	4°7637		Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.				R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4006. 1898, May 17.			
6445				4	18°4624	4°4274		6502	20§	17°2892	14°2051	25§	6°6036	2°1694	
6446	4*	9°8052	16°9266	8	20°4950	4°6302		6503	20	23°0786	15°2540	21§	12°4316	2°9750	
6447	6	13°0397	16°6450	10	23°7377	4°4964		6504	15	17°5810	15°9303	19	6°9680	3°8813	
6448				6	23°7869	4°3964		6505	7	18°9643	15°3310	7	8°3231	3°2244	
6449				5	15°4804	5°4542		6506	7	21°3758	16°0208	7	10°7618	3°8113	
6450	96§	5°5651	18°3850	105§	16°1881	5°8928	69 845 5°5	6507				4	11°6012	3°6312	
6451				5	18°0103	5°5899		6508	4	22°7267	16°2467	4	12°1242	3°9790	
6452	6	8°1210	17°6984	14	18°7727	5°3229		6509	10	15°3078	16°1496	11	4°7049	4°1950	
6453	16	11°4609	18°0780	25§	22°0920	5°8557		6510	5*	16°1296	16°7513	6	5°5515	4°7626	
6454				7	14°9543	6°7467		6511	23§	16°4355	16°4529	22§	5°8458	4°4506	
6455				4	16°8270	6°6134		6512	4*	17°3330	16°4013	5	6°7395	4°3611	
6456	4	7°5968	18°4568	9	18°2134	6°0560		6513	4	17°6304	16°5538	5	7°0438	4°5044	
6457	18	10°8733	18°4734	26§	21°4898	6°2234		6514	30§	17°9985	16°4109	31§	7°4045	4°3438	69 855 9°3
6458	8	11°1817	18°6429	15	21°7899	6°4051		6515	29§	19°0478	16°7756	26§	8°4693	4°6644	69 857 9°5
6459				9	24°1657	6°8231		6516	4*	22°5648	16°8649	5	11°9878	4°6093	
6460				3	21°1606	7°8099		6517	22§	23°5173	17°2172	20§	12°9524	4°9181	69 861 9°4
6461	11	12°6999	19°7374	21§	23°2548	7°5719		6518				4	13°4382	4°9356	
6462	9	4°0260	19°8171	13	14°5400	8°2533		6519	16	24°2038	17°2418	16§	13°6404	4°9158	69 863 9°3
6463				3	15°4373	8°2688		6520	4	17°6028	17°9086	5	7°0710	5°8542	
6464	4*	5°8678	21°4678	5	16°3495	8°9950		6521	23§	18°3926	17°3732	23§	7°8397	5°2873	69 856 9°4
6465	11	6°2463	20°5763	15§	16°7698	8°1116		6522	11	18°9740	17°7376	14	8°4340	5°6275	
6466	4*	6°6502	21°3996	6	17°1378	8°9507		6523	3*	21°5259	17°4183	4*	10°9689	5°2039	
6467	4*	9°0067	20°8661	6	19°5166	8°5264		6524	20§	16°4046	18°3607	20§	5°8930	6°3579	69 852 9°5
6468	7	10°5485	20°7983	14	21°0576	8°5323		6525	3*	16°4201	18°3298	3*	5°9088	6°3291	
6469	12	10°7657	20°5250	19§	21°2873	8°2662		6526	62§	22°8658	18°5772	54§	12°3590	6°3048	69 860 7°7
6470	8	11°0433	20°6678	15	21°5586	8°4244		6527	4	15°4258	19°3573	7	4°9590	7°3952	
6471	11	12°2327	21°0683	22	22°7276	8°8783		6528	4	15°6437	19°3991	7	5°1783	7°4274	
6472				3	14°5722	9°7949		6529	23§	19°6128	20°0658	22§	9°1690	7°9288	69 858 9°5
6473	7	4°1569	22°4314	15	14°5948	9°8655		6530	4*	21°0906	19°9395	5	10°6405	7°7405	
6474	5*	7°2755	21°5153	7	17°7542	9°0963		6531	8	22°7250	20°2518	13	12°2873	7°9873	
6475	4*	9°7342	21°9676	7	20°1902	9°6635		6532	7	22°8592	19°5082	7	12°3886	7°2349	
6476	17	10°1544	21°3430	23§	20°6397	9°0565		6533	4	16°4329	20°6340	4	6°0153	8°6266	
6477	4†	10°2589	22°1420	7	20°7056	9°8601		6534				3	8°0465	8°8851	
6478	4	10°8706	21°7245	9	21°3371	9°4719		6535	8	21°2807	20°6508	8	10°8586	8°4442	
6479	8	11°0263	22°2136	13	21°4700	9°9663		6536	34§	22°4537	20°4408	31§	12°0205	8°1860	69 859 9°0
6480	18	13°2493	21°2206	24§	23°7373	9°0760		6537	21§	16°3890	21°9361	19§	6°0272	9°9316	
6481				5	15°8772	10°5933		6538	4†	18°6444	21°9931	5	8°2844	9°8951	
6482	4*	11°8617	23°1810	7	22°2581	10°9703		6539	11	23°3345	21°8253	10	12°9613	9°5317	
6483				3	14°2619	11°9385		6540	13	14°2947	22°1713	14	3°9438	10°2550	
6484				5	16°0460	11°7013		6541	17	14°3840	22°8651	19§	4°0610	10°9448	
6485				4	17°2591	11°6219		6542	38§	16°6615	22°4116	31§	6°3195	10°3953	69 853 8°8
6486				3	17°6899	11°5333		6543	3*	18°6711	22°6808	4	8°3410	10°5802	
6487	44§	8°1014	23°6720	49§	18°4800	11°2912	69 847 8°8	6544	8	18°7847	22°9261	8	8°4618	10°8200	
6488	8	12°4157	23°8066	14	22°7811	11°6237		6545	3*	19°6341	22°6908	4	9°2992	10°5496	
6489	18	12°8602	23°1656	27§	23°2580	11°0015		6546				5	13°8368	10°9473	
6490	10	9°4516	24°6226	13	19°7851	12°2991		6547	4	15°7167	23°0453	5	5°4010	11°0662	
6491	12	9°8484	25°1961	18§	20°1518	12°8887		6548	6	16°7829	23°8515	6	6°4996	11°8269	
6492				3	20°6054	12°2490		6549	5	15°3582	24°9038	6	5°1194	12°9416	
6493				4	21°4500	12°2805		6550	24§	16°7854	24°6818	20§	6°5362	12°6583	69 854 9°4
6494	31§	11°4669	25°0733	35§	21°7770	12°8428	70 881 9°1	6551	6	17°3945	24°4846	6	7°1356	12°4367	
6495	12*	4°1862	26°0761	17	14°4567	13°5124									
6496				3	16°8166	13°9324									
6497				4	18°1227	13°8392									
6498				3†	18°1518	13°6988									



ZONE + 69°.

R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 40 <sup>m</sup> to 16 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 420. 1892, June 10.				Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4006. 1898, May 17.				Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.				Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4006. 1898, May 17.			
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D. No. Mag.
6552	49§	23°55'36	24°57'31	35§	13°29'27	12°26'55	69° 862 9°0	6602				3	17°8'750	11°38'82	69 868 8°5
6553	3†	15°86'56	25°81'51	4	5°66'19	13°82'97		6603	55§	10°28'68	23°71'96	38§	20°70'24	11°79'83	69 875 9°4
6554				3	9°46'25	13°20'12		6604	41§	12°56'37	23°97'83	26§	22°96'85	12°14'61	
6555	24	20°81'43	26°11'95	17	10°62'07	13°92'60		6605	5	13°62'12	23°56'36	4	24°04'20	11°77'52	
6556	61§	21°43'22	26°12'66	51§	11°23'93	13°90'68	70 887 8°2	6606	3	13°69'63	23°27'39				
6557	18	21°54'67	25°9'148	15	11°34'55	13°69'33		6607	7	7°13'20	24°80'43	7	17°50'97	12°75'48	
								6608				3	18°80'90	12°21'40	
	28	25°43'38	19°23'77				69 864 9°1	6609	35§	10°54'56	24°61'80	22§	20°92'74	12°70'57	69 869 8°9
	68§	21°78'10	26°47'00				70 888 8°0	6610	18	13°57'27	24°47'30	12§	23°95'60	12°68'33	69 876 9°5
								6611	4*	7°25'21	25°03'72	6	17°61'89	12°99'28	
								6612				3	18°64'28	13°17'03	
									89§	1°72'65	18°56'09				69 860 7°7
									54§	1°46'60	20°45'57				69 859 9°0
									64§	2°89'98	24°48'34				69 862 9°0
									102§	1°28'45	26°52'02				70 888 8°0
R.A. 16 <sup>h</sup> 40 <sup>m</sup> to 16 <sup>h</sup> 50 <sup>m</sup>								R.A. 16 <sup>h</sup> 50 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.				Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4006. 1898, May 17.				Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2059. 1894, May 21.				Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1130. 1893, May 14.			
6558	2	5°24'22	14°63'28	2*	16°02'77	2°51'57	69 871 9°5	6613	21	15°14'84	14°83'54	19	4°43'67	2°96'65	69 881 8°5
6559	21§	10°92'40	14°60'67	16	21°70'80	2°71'85		6614	4	18°58'45	14°07'27	3*	7°83'48	2°05'20	
6560	41§	11°75'34	14°25'48	38§	22°55'01	2°40'06	69 873 9°0	6615	4	18°62'48	14°52'50	4*	7°89'15	2°49'82	
6561	4	12°07'35	14°68'10					6616	4*	20°26'40	14°03'07	3*	9°51'51	1°94'09	
6562	19§	5°05'05	15°64'80	11	15°79'27	3°52'53		6617	4	21°73'78	14°53'74	4*	11°00'64	2°38'04	
6563	8	7°39'19	15°89'34	7	18°12'38	3°86'17		6618	17	22°50'69	14°55'25	15	11°77'41	2°36'19	
6564	68§	13°70'18	15°07'37	71§	24°46'55	3°29'45	69 877 8°3	6619	5*	24°69'89	14°69'85	7	13°97'53	2°41'05	

1 *réseau* interval represents very nearly  $\zeta' = 55^{\text{s}}.8$  of R.A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+ 70^{\circ}$ .

## ZONE + 69°.

R.A. 16 <sup>h</sup> 50 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 10 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 2059. 1894, May 21.				Plate 1130. 1893, May 14.				Plate 2671. 1895, June 8.				Plate 1130. 1893, May 14.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D. No. Mag.
6650	6	16°1150	25°7455	8	5°8793	13°8239	° m.	6700	5	12°6018	19°9810				° m.
6651	14	16°9885	25°4852	13	6°7377	13°5275		6701	11	12°6294	19°4536	8	23°1996	7°4870	
6652	13	18°7063	25°4020	12	8°4532	13°3670		6702	7	13°0855	19°3058				
6653	22	19°1915	25°6624	20§	8°9483	13°6042		6703	11§	13°4338	19°7996	6†	23°9957	7°8630	
6654	10	22°0562	25°9249	12	11°8214	13°7402		6704	22§	13°8477	19°4816	19	24°4180	7°5620	
6655	6*	24°1640	25°7537	11	13°9167	13°4790		6705	10	6°0732	20°3898	7	16°6151	8°1875	
								6706	4	6°5948	20°2345				
	56§	26°2962	21°7815				69 887	6707	4	7°9301	20°2821	2*	18°4772	8°1486	
	78§	25°9129	23°8008				69 885	6708	3†	9°6378	20°1675				
								6709	9	10°1866	20°5239	4	20°7216	8°4685	
								6710	5	10°6784	20°0033				
								6711	3†	11°0376	20°9015				
								6712	14§	11°4128	20°7099	10	21°9350	8°6987	
								6713	28§	11°7121	20°2560	25§	22°2545	8°2578	
								6714	30§	11°9335	20°4802	29§	22°4688	8°4904	69 893
								6715	16§	12°5130	20°3771	14	23°0503	8°4068	9°1
								6716	7	13°0998	20°6454	3†	23°6239	8°6976	
								6717	16§	13°5143	20°4422	11	24°0480	8°5095	
								6718	35§	13°5390	20°5109	30§	24°0705	8°5792	69 894
								6719	8	13°5990	20°4433	3	24°1290	8°5131	9°0
								6720	5	13°8571	20°8450				
								6721	7	4°5755	21°9030	5†	15°0620	9°6466	
								6722	3†	5°0882	21°8732				
								6723	40§	5°3794	21°6460	32§	15°8745	9°4153	69 887
								6724	8	6°8006	21°3622	3	17°3035	9°1856	9°3
								6725	10	6°8903	21°4587	4	17°3928	9°2845	
								6726	47§	7°0710	21°2102	38§	17°5824	9°0418	69 890
								6727	10	9°6568	21°8346	3	20°1454	9°7610	8°7
								6728	5	12°5224	21°8961				
								6729	13	12°7978	21°0715	10	23°3067	9°1126	
								6730	3†	5°4113	22°9307				
								6731	29§	5°6766	22°7355	19	16°1342	10°5179	
								6732	7	6°0323	22°9373				
								6733	4	9°4542	22°6337				
								6734	5	9°5235	22°5756				
								6735	7	9°5757	22°2358	3	20°0462	10°1604	
								6736	21§	10°8766	22°8305	17§	21°3245	10°7998	
								6737	8	12°1535	22°8088	2	22°6007	10°8253	
								6738	3	13°8217	22°1315				
								6739	8	4°9173	23°2437	3	15°3551	10°9973	
								6740	50§	5°1603	23°6910	43§	15°5817	11°4504	69 885
								6741	6	5°2355	23°1277	3*	15°6800	10°8945	9°0
								6742	22	5°7317	23°1380	11	16°1721	10°9203	
								6743	4	6°6021	23°4675				
								6744	11	8°5520	23°6839	4	18°9715	11°5695	
								6745	12	9°1893	23°0607	5	19°6292	10°9668	
								6746	22§	9°8683	23°6660	15§	20°2866	11°5997	
								6747	5	10°4538	23°4787				
								6748	5	11°2660	23°9943	3†	21°6703	11°9775	
								6749	3	12°4427	23°0977				
								6750	7	13°5912	23°8453				
								6751	6	4°9265	24°8352	3†	15°3049	12°5893	
								6752	39§	5°3710	24°3023	22§	15°7718	12°0730	69 886
								6753	5*	5°9841	24°7660	2*	16°3625	12°5581	9°3
								6754	32§	6°2205	24°7089	23§	16°6039	12°5083	69 889
								6755	25	3°7978	25°7653	14	14°1452	13°4777	9°4
								6756	17	5°8630	25°5878	10	16°2142	13°3732	
								6757	25	7°0617	25°3358	15	17°4231	13°1664	
								6758	16	7°3691	25°0532	9	17°7415	12°8959	



## ZONE + 69°.

R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>									R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.				R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1130. 1893, May 14.					Centre R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2671. 1895, June 8.				R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2698. 1895, June 17.												
No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.		No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D.									
								No.									No.								
								Mag.									Mag.								
6759	70§	8.2600	25.2043	60§	18.6243	13.0778	69° 891	7.7	6807	43§	16.4453	19.4001	36§	5.8906	7.4839	69° 899	8.7								
6760	16	9.1488	25.1435	6	19.5149	13.0490			6808	4	16.7526	19.5900													
6761	24§	10.0821	25.7453	18§	20.4240	13.6827			6809	56§	17.3439	19.0619	54§	6.7750	7.1064	69 900	8.1								
6762	44§	10.9478	25.2904	38§	21.3056	13.2620	70 909	9.2	6810	7	19.2508	19.2037	3	8.6832	7.1667										
6763	5*	4.5988	26.0974	3	14.9325	13.8373			6811	9	20.0358	19.7911	4	9.4954	7.7195										
									6812	38§	22.7581	19.1871	27§	12.1884	7.0045	69 904	9.1								
	67§	1.9678	15.7659				69 881	8.5	6813	4	14.9328	20.4828													
	91§	2.9875	18.1940				69 884	6.5	6814	22§	15.6610	20.1318	17	5.1401	8.2451										
	50§	2.6438	22.9765				69 882	9.3	6815	3	16.1045	20.4601	2*	5.5834	8.6096										
	63§	2.9671	23.5803				69 883	8.2	6816	7	18.1252	20.9888	4	7.6361	8.9960										
									6817	4	19.6481	20.4569													
									6818	10	19.7188	20.9363	4	9.2254	8.8770										
									6819	31§	19.7683	20.7865	24§	9.2702	8.7265	69 903	9.5								
									6820	2	19.7983	20.8034													
									6821	9	20.4956	20.9493	3*	10.0000	8.8576										
									6822	7	20.9010	20.0632	2*	10.3682	7.9555										
									6823	8	22.8258	20.5974	4	12.3136	8.4083										
									6824	5	24.1957	20.3621	5	13.6733	8.1148										
									6825	8	14.1160	21.5427	2*	3.6523	9.7184										
									6826	43§	16.1053	21.4039	40§	5.6363	9.5000	69 898	8.7								
									6827	4	16.1095	21.0713													
									6828	22§	16.8612	21.3089	13	6.3872	9.3730										
									6829	7	18.0393	21.7549	3*	7.5825	9.7682										
									6830	6	18.2108	21.6588													
									6831	4†	19.6645	21.2566													
									6832	3	20.3308	21.7265													
									6833	5	20.6779	21.5210	3*	10.2128	9.4205										
									6834	3	20.7453	21.0155													
									6835	9	21.5759	21.7670	3†	11.1148	9.6282										
									6836	6†	22.4364	21.3841	3*	11.9620	9.2110										
									6837	28§	23.2888	21.6003	18§	12.8226	9.3928										
									6838	8	23.8766	21.0438	3	13.3844	8.8107										
									6839	6	16.1837	22.4127	3	5.7565	10.5007										
									6840	13	17.5806	22.5473	5	7.1584	10.5785										
									6841	15	17.7703	22.7252	7	7.3555	10.7482										
									6842	23§	20.8646	22.3282	12	10.4287	10.2196										
									6843	6	23.2781	22.5387													
									6844	29§	14.1649	23.6376	25	3.7922	11.8102	69 896	9.5								
									6845	6	16.4014	23.2649													
									6846	9	16.5049	23.5549	3	6.1267	11.6288										
									6847	19	17.3276	23.4426	8	6.9450	11.4825										
									6848	45§	18.2335	23.1545	47§	7.8352	11.1566	69 901	9.0								
									6849	3	18.8880	23.4436													
									6850	11	20.7495	23.7567	4	10.3750	11.6528										
									6851	5	22.1620	23.4102	3*	11.7730	11.2445										
									6852	7	14.2725	24.8648													
									6853	15	14.5033	24.4533	7	4.1668	12.6119										
									6854	6	15.1159	24.9655													
									6855	5	15.3393	24.4894													
									6856	2	15.6078	24.1873													
									6857	10	15.8525	24.5372	5	5.5141	12.6359										
									6858	9	17.4905	24.4278	4	7.1503	12.4613										
									6859	7	18.4601	24.6397	3†	8.1263	12.6327										
									6860	8	20.2179	24.8746	3*	9.8925	12.7947										
									6861	7	20.4161	24.0547	4	10.0543	11.9640										
									6862	6	21.0679	24.7456													
									6863	4	22.4968	24.5301	2*	12.1550	12.3470										
									6864	12	23.0553	24.1211	4	12.6956	11.9186										
									6865	5*	23.3943	24.5892	4	13.0517	12.3673										

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 17 <sup>h</sup> 10 <sup>m</sup> to 17 <sup>h</sup> 20 <sup>m</sup> —contd.									R.A. 17 <sup>h</sup> 20 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre			R.A. 17 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			Centre			R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°			R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 70°			
Plate 2671. 1895, June 8.			Plate 2698. 1895, June 17.			Plate 4029. 1898, June 19.			Plate 2698. 1895, June 17.			Plate 4029. 1898, June 19.			Plate 2699. 1895, June 17.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	
6866	6	14.9328	25.6190						6915	17	4.1900	21.3327	15	14.7159	9.0524			
6867	338	15.4354	25.4054	278	5.1349	13.5243	70	914	9.5	6916	208	6.2250	21.8038	21	16.7268	9.6107	69 912	9.5
6868	14	16.6328	25.0205	6	6.3178	13.0788			6917	6	7.0130	21.8966	4*	17.5112	9.7364			
6869	6	20.8393	25.1923	4	10.5274	13.0803			6918	218	7.3365	21.9695	238	17.8313	9.8224			
6870	298	23.8093	25.5582	18	13.5073	13.3223	69	907	9.5	6919	6	9.5937	21.8248	4	20.0918	9.7755		
6871	13	20.1507	26.0003	9	9.8725	13.9186			6920	4	11.8058	21.8027						
	438	25.0867	18.1024				69	909	9.0	6921	178	12.3520	21.0876	9	22.8827	9.1546		
	858	25.2670	24.4218				69	910	7.0	6922	19	5.7150	22.1755	14	16.2025	9.9608		
	978	26.4294	24.9980				69	911	7.2	6923	16	6.1666	22.7843	12	16.6290	10.5876		
										6924	9	6.9790	22.9985	5*	17.4304	10.8362	69 914	9.5
										6925	208	8.0840	22.4561	20	18.5594	10.3410		
										6926	238	8.3330	22.6646	228	18.7982	10.5590		
										6927	9	10.0093	22.0088	7	20.4980	9.9783		
										6928	12	10.5788	22.0050	12	21.0691	9.9958		
										6929	238	11.4199	22.5429	238	21.8861	10.5681	69 920	9.5
										6930	7	12.3972	22.3643	5	22.8691	10.4293		
										6931	6	12.5775	22.5306					
										6932	9	6.0328	23.3100	9	16.4706	11.1078		
										6933	198	8.5477	23.7867	14	18.9656	11.6901		
										6934	16	8.5802	23.2029	9	19.0193	11.1075		
										6935	8	9.0100	23.4234	5	19.4416	11.3463		
										6936	198	10.8374	23.4353	16	21.2678	11.4365		
										6937	658	4.5207	24.3926	638	14.9173	12.1245	69 910	7.0
										6938	718	5.7270	24.8654	708	16.1018	12.6489	69 911	7.2
										6939	6	7.5815	24.4467	4	17.9708	12.3080		
										6940	488	8.1392	24.3955	488	18.5298	12.2829	69 913	8.7
										6941	208	11.8401	24.7048	20	22.2164	12.7468		
										6942	298	4.9870	25.1259	21	15.3511	12.8763		
										6943	19	5.9898	25.0814	15	16.3565	12.8759		
										6944	4*	6.6760	25.4160	2*	17.0212	13.2379		
										6945	10	7.5406	25.6193	6	17.8788	13.4777		
										6946	19	10.0118	25.5074	13	20.3556	13.4732		
										6947	298	11.6534	25.8630	268	21.9825	13.8949	70 928	9.4
										6948	7	12.6036	25.8404	5	22.9282	13.9131		
											418	2.4796	14.7687				69 905	8.7
											418	3.1621	18.1305				69 908	9.0
															</			

† *réseau* interval represents very nearly 5' = 55.8" of R.A. at Dec. + 69°, and 58.5" at Dec. + 70°.



## ZONE + 69°.

R.A. 17 <sup>h</sup> 30 <sup>m</sup> to 17 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>								R.A. 17 <sup>h</sup> 30 <sup>m</sup> to 17 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>										
Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 4029. 1898, June 19.				R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2699. 1895, June 17.				Centre R.A. 17 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 4029. 1898, June 19.				R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2699. 1895, June 17.						
No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D. No. Mag.	No.	Diam.	<i>z.</i>	<i>y.</i>	Diam.	<i>z.</i>	<i>y.</i>	B. D. No. Mag.			
6965	6	17.4623	17.0330						7024	3	19.0483	24.8990	2*	8.7753	12.8690			
6966	8	17.7440	17.4335	6	7.1809	5.4600			7025	25§	20.8829	24.4129	19	10.5396	12.3089	69	932 9.5	
6967	4	19.9500	17.1707	4	9.3727	5.1106			7026	23	24.1782	24.9668	16	13.9045	12.7355			
6968	10	20.6071	17.9550	7	10.0604	5.8694			7027	32§	14.5102	25.4035	35§	4.2640	13.5493	70	933 9.2	
6969	31§	22.7970	17.6633	30§	12.2371	5.4901	69	935 9.4	7028	17	15.0688	25.3912	13	4.8196	13.5153			
6970	24§	23.0480	17.9775	22	12.4998	5.7953			7029	4	17.1421	25.3145	2†	6.8901	13.3563			
6971	5	23.9653	17.1664	3	13.3855	4.9497			7030	18	20.8892	25.9738	16	10.6558	13.8678			
6972	5	24.0403	17.1012	3	13.4560	4.8807			7031	18	21.5042	26.0258	14	11.2770	13.8962			
6973	58§	24.1663	17.1075	59§	13.5828	4.8824	69	938 8.7										
6974	15§	15.1005	18.0258	13	4.5601	6.1565				93§	25.6221	16.5477				69	939 7.0	
6975	38§	15.5997	18.7233	38§	5.0885	6.8331	69	923 8.6	R.A. 17 <sup>h</sup> 40 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup>									
6976	3	17.6921	18.2146	2*	7.1615	6.2430			Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 3529. 1897, June 12.				R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2699. 1895, June 17.					
6977	9	18.0163	18.0863	11	7.4770	6.1032			7032	5	5.4325	14.2993						
6978	23§	18.4470	18.6624	24§	7.9263	6.6604	69	927 9.5	7033	22§	9.3059	14.3666	24	20.0090	2.3522			
6979	4	18.5313	18.6545	3	8.0120	6.6487			7034	16	11.4331	14.3859	8	22.1369	2.4549			
6980	9	18.9953	18.6348	10	8.4754	6.6123			7035	6	12.1738	14.2929						
6981	68§	20.5445	18.3344	62§	10.0140	6.2503	69	930 8.0	7036	5	13.1750	14.8076						
6982	12	23.5331	18.8230	8	13.0190	6.6211			7037	17	6.0195	15.4358	19	16.6852	3.2876			
6983	4	24.2913	18.0863	4	13.7472	5.8569			7038	7	7.5347	15.6749	4*	18.1898	3.5866			
6984	20§	15.9188	19.1527	20	5.4212	7.2503			7039	11	7.9177	15.5108	9	18.5790	3.4395			
6985	20§	16.6364	19.7095	19	6.1610	7.7777			7040	78§	8.2811	15.3998	64§	18.9481	3.3413	69	946 7.7	
6986	6	16.8410	19.3920	6	6.3542	7.4511			7041	4	10.3067	15.2374						
6987	34§	16.9151	19.5337	36§	6.4330	7.5895	69	926 9.3	7042	15	10.7685	15.5460	17	21.4297	3.5903			
6988	5	17.1858	19.9825	6	6.7218	8.0305			7043	31§	13.2126	15.6262	39§	23.8659	3.7688	69	948 9.1	
6989	3	17.1862	19.8675						7044	9	13.7355	15.4613						
6990	3	18.5403	19.7151	3*	8.0636	7.7110			7045	91§	4.3932	16.4788	80§	15.0180	4.2666	69	939 7.0	
6991	6	19.4494	19.7553	6	8.9732	7.7142			7046	5	4.7093	16.7226	4*	15.3240	4.5241			
6992	12	19.5592	19.9623	9	9.0928	7.9132			7047	10	6.1328	16.6540	10	16.7485	4.5097			
6993	3	20.1169	19.5826	2*	9.6352	7.5148			7048	4	6.3267	16.2886						
6994	31§	22.6646	19.1261	24§	12.1639	6.9590	69	934 9.5	7049	64§	6.7087	16.1648	56§	17.3456	4.0447	69	942 8.5	
6995	3†	23.5662	19.4306	3†	13.0740	7.2276			7050	6	11.3453	16.2484						
6996	32§	23.9625	19.2258	24§	13.4639	7.0083	69	937 9.5	7051	5	12.8939	16.6321						
6997	8	18.2512	20.7098	8	7.8165	8.7148			7052	7	13.8388	16.1471						
6998	15	19.7427	20.5847	13	9.3017	8.5310			7053	22	13.8733	16.3660	16	24.4955	4.5307			
6999	12	14.5893	21.5260	12	4.1856	9.6745			7054	5	4.1900	17.6125	4*	14.7724	5.3909			
7000	7	14.7338	21.5299	7	4.3331	9.6727			7055	34§	5.2593	17.2416	27§	15.8522	5.0600	69	940 9.5	
7001	28§	14.9573	21.1870	28§	4.5443	9.3213	69	922 9.5	7056	6	5.8033	17.0558	3*	16.4031	4.8990			
7002	31§	20.6202	21.8650	27§	10.2287	9.7774	69	931 9.2	7057	15	6.0858	17.4407	15	16.6718	5.2936			
7003	10	20.8412	21.1236	8	10.4203	9.0265			7058	10	6.3267	17.7774	10	16.8974	5.6428			
7004	6	21.4133	21.7868	5	11.0135	9.6652			7059	17	8.3354	17.0083	18	18.9372	4.9507			
7005	91§	21.7903	21.6834	94§	11.3894	9.5484	69	933 6.5	7060	6	9.8537	17.4664	5*	20.4327	5.4686			
7006	13	23.3915	21.5968	10	12.9858	9.4002			7061	8	11.0090	17.2602	9†	21.5955	5.3112			
7007	20§	15.9547	22.0463	17	5.5734	10.1430			7062	5	8.1694	18.0766						
7008	72§	16.1595	22.0263	64§	5.7783	10.1148	69	925 6.5	7063	5	9.9700	18.0893						
7009	24§	17.9182	22.6779	21§	7.5588	10.6975			7064	22	10.9232	18.3519	20	21.4687	6.3967			
7010	38§	20.3929	22.3745	39§	10.0211	10.2944	69	929 8.7	7065	5	11.5949	18.3410	4*	22.1388	6.4128			
7011	5	22.7722	22.8812	4	12.4175	10.7066			7066	10	11.8589	18.2972	10	22.4057	6.3829			
7012	31§	24.1576	22.8663	22§	13.8021	10.6404			7067	11	12.0000	18.4062	16	22.5420	6.4986			
7013	6	14.3999	23.3811	2*	4.0726	11.5365			7068	10	3.7353	19.5978	9	14.2340	7.3561			
7014	6	18.3297	23.9337	5	8.0213	11.9298			7069	20	5.6346	19.7784	20	16.1273	7.6123			
7015	19	19.9913	23.8903	16	9.6791	11.8218			7070	20§	7.2421	19.5618	19	17.7409	7.4618	69	943 9.5	
7016	17	20.2808	23.2888	15	9.9469	11.2109			7071	9	13.4926	19.0193	8†	24.0044	7.1701			
7017	2*	21.3788	23.3337	2*	11.0446	11.2103			7072	4	4.5271	20.7022	4*	14.9848	8.4886			
7018	4†	14.1303	24.2646	2*	3.8411	12.4273			7073	5	6.1187	20.4412	5*	16.5818	8.2922			
7019	27§	14.6199	24.6014	29§	4.3404	12.7433	69	921 9.5	7074	38§	7.7093	20.4391	33§	18.1749	8.3555	69	945 9.5	
7020	20§	16.9025	24.1076	20	6.6022	12.1615												
7021	14	17.3305	24.0750	11	7.0290	12.1114												
7022	3	17.3995	24.6483	2	7.1197	12.6809												
7023	34§	18.6049	24.3193	29§	8.3133	12.3057	69	928 9.3										

ZONE + 69°.

R.A. 17 <sup>h</sup> 40 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre		R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre		R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°		
Plate 3529. 1897, June 12.		Plate 2699. 1895, June 17.					Plate 3529. 1897, June 12.		Plate 1146. 1893, May 22.				
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.

Nos. 7093, 7094. These images are not separable on Plate 3529, but are measured as one mass. The measures of diameter on 2699 are approximate. No. 7107. Plate 1146. The 6<sup>th</sup> image is not measurable. The diameter given is that of the 3<sup>rd</sup> image.

<sup>1</sup> *réseau* interval represents very nearly  $5' = 55^{\text{s}}.8$  at Dec. +  $69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec. +  $70^{\circ}$ .



## ZONE + 69°.

R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 17 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 3529. 1897, June 12.				Plate 1146. 1893, May 22.				Plate 2680. 1895, June 12.				Plate 1146. 1893, May 22.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
7185	16	17.4865	22.2960	16§	7.0430	10.3764	° m.	7232				5	20.0850	5.4383	° m.
7186	3*	18.0154	22.8781	4	7.5936	10.9358		7233	5	12.0628	17.6101	16	22.5055	5.7753	
7187	27§	20.3550	22.2881	26§	9.9055	10.2470		7234	2*	13.2379	17.5915	11	23.6787	5.8038	
7188	3	21.8958	22.3226	5	11.4472	10.2149		7235	2*	13.5423	17.5694	11	23.9850	5.7918	
7189				2	11.9500	10.7722		7236	12	5.0990	18.7559	22§	15.5003	6.6546	
7190	7	19.2614	23.8830	12§	8.8835	11.8876		7237	19	9.2518	18.7753	28§	19.6478	6.8328	69 966 9.5
7191	4*	19.3819	23.7379	5	8.9975	11.7381		7238	6	9.3812	18.0200	14	19.8096	6.0856	
7192	6	19.8142	23.9825	10	9.4402	11.9620		7239				5	16.1170	7.5970	
7193	9	22.0692	23.4181	7	11.6636	11.3050		7240	4	6.9325	19.1007	15	17.3173	7.0703	
7194	2*	22.6807	23.3068	3	12.2700	11.1641		7241				5	19.8250	7.6503	
7195				4	12.9383	11.8092		7242	5	10.9489	19.1920	14	21.3302	7.3175	
7196	10	15.5320	24.2022	10	5.1722	12.3645		7243	2*	11.5869	18.9785	7	21.9751	7.1284	
7197	13	15.6731	24.3667	16§	5.3190	12.5248		7244	3	12.7892	19.1045	9	23.1724	7.3007	
7198	3	15.9843	24.4017	6	5.6306	12.5454		7245	8	13.5073	19.1526	19	23.8881	7.3737	
7199	21§	17.1075	24.1665	19§	6.7446	12.2608		7246				4	14.6751	8.2411	
7200	13	20.3095	24.8513	10	9.9715	12.8096		7247	12	5.2889	20.7955	20§	15.6137	8.6980	
7201	16	22.6001	24.8766	11	12.2585	12.7396		7248	5	6.2753	20.2056	12§	16.6178	8.1486	
7202	5	22.9630	24.4975	8	12.6082	12.3453		7249				6	17.1017	8.1406	
7203				4	12.6252	12.3814		7250				4	20.2529	8.7643	
7204	11	15.9047	25.6155	13	5.6032	13.7610		7251	4	10.5857	20.8609	10	20.8991	8.9695	
7205	3*	18.4099	25.1114	4	8.0830	13.1487		7252	6	11.3379	20.2355	17§	21.6776	8.3740	
7206	5	18.5098	25.4236	7	8.2000	13.4572		7253				5	21.9160	8.4051	
7207	3*	18.6259	25.6484	4	8.3208	13.6744		7254				5	14.7574	9.1128	
7208	13	20.6717	25.7351	15§	10.3685	13.6780		7255	3	5.4631	21.6234	11	15.7546	9.5347	
7209	38§	23.3929	25.6919	23§	13.0843	13.5172		7256				4	16.3667	9.3594	
	46§	26.0043	16.9778				69 963 9.4	7257	3*	6.4919	21.1498	8	16.7251	9.4568	
	45§	24.9379	18.0699				69 962 9.1	7258	28§	7.6698	21.7551	40§	17.9537	9.7503	69 965 9.0
	69§	25.5286	26.9743				70 971 9.4	7259	4*	7.9974	21.7038	13	18.2811	9.7137	
R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup>								7260				5	19.8477	9.6057	
Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°				R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				7261				8	21.5314	9.4797	
Plate 2680. 1895, June 12.				Plate 1146. 1893, May 22.				7262	3	11.2379	21.3457	19§	21.9042	9.1887	
7210	2*	4.2993	14.1117	9	14.8797	1.9798	° m.	7263	6	11.5957	21.0403	17	23.6717	9.6881	
7211	18§	4.7948	14.0913	29§	15.3774	1.9808		7264	6	13.3828	21.4719	14	14.2338	10.9467	
7212	6	5.3844	14.1316	15	15.9653	2.0445		7265				5†	17.8408	10.8726	
7213	9	9.3208	13.9748	23§	19.9048	2.0402	68 975 9.5	7266				20§	18.3003	10.2768	
7214	6	9.4312	14.6106	18	19.9900	2.6777		7267	8	8.0387	22.2650	4	19.7088	10.1391	
7215				6	15.1401	3.7691		7268				27§	20.1161	10.4611	
7216				6	15.9595	3.7456		7269	19	9.8592	22.3824	27§	20.6723	10.9379	
7217	4	5.8784	15.2237	11	16.4155	3.1589		7270	17	10.4333	22.8370	7	21.3281	10.6219	
7218	15	10.6001	15.4130	25§	21.1251	3.5240		7271	4*	11.0782	22.4950	40§	23.2593	10.9973	69 967 8.8
7219	8	13.6074	14.9910	22	24.1461	3.2210		7272	24§	13.0180	22.7945	4†	14.5482	11.3455	
7220	5	13.9154	15.6159	18	24.4329	3.8596		7273				7	15.3539	11.6900	
7221				10	14.7795	4.4564		7274				8	15.7307	11.9007	
7222	22	4.8449	16.8092	31§	15.3231	4.7008	69 963 9.4	7275				14	16.9973	11.5664	
7223	4	5.0596	16.1178	12	15.5630	4.0173		7276	6	6.7826	23.6061	6	20.0350	11.7190	
7224	3*	5.2060	16.5152	9	15.6905	4.3200		7277				6	23.3498	11.0989	
7225	7	5.4698	17.0328	13	15.9402	4.9433		7278				5	14.6405	12.7385	
7226	11	5.8131	16.2717	20§	16.3119	4.1987		7279				34§	16.3404	12.4959	69 964 9.2
7227				5	18.7905	4.7555		7280	25§	6.1664	24.5613	23§	19.5094	12.4447	
7228				7	21.1629	4.6507		7281	12	9.3322	24.3862	5	20.2777	12.9500	
7229	26§	3.8708	17.9863	34§	14.3055	5.8372	69 962 9.1	7282				7	20.6387	12.7596	
7230				5	16.3318	5.1934		7283				19	15.3570	13.8766	
7231	4	6.3049	17.6073	12	16.7517	5.5487		7284	7*	5.2310	25.9790	5	18.3175	13.8419	
								7285							
									28	2.9097	21.0963				69 961 9.0
									33	5.1833	26.8113				70 971 9.4

## ZONE + 69°.

R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup>								R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 20 <sup>m</sup> —contd.									
Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2680. 1895, June 12.				Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2710. 1895, June 20.				Centre R.A. 18 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2680. 1895, June 12.				Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2710. 1895, June 20.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
B. D.								B. D.									
No.				Mag.				No.				Mag.					
7286				5	6.0884	2.6147	°	m.	7345	3*	23.7552	20.8721	12	13.1111	8.6886	°	m.
7287				6	7.1298	2.2552			7346				4	13.6933	8.8554		
7288				6	8.1734	2.1315			7347	2	14.0245	21.1479	8	3.3983	9.3758		
7289				4	9.7282	2.7263			7348	27§	14.9988	21.7187	40§	4.3961	9.9069	69 968	8.9
7290				3	11.4717	2.0048			7349				3	6.0736	9.8757		
7291				4	12.2736	2.2997			7350	4	17.9810	21.4474	11	7.3657	9.5075		
7292	10	23.5294	14.8952	20§	12.6316	2.7252			7351				4	8.9818	9.5855		
7293	6	24.3053	15.5055	14	13.4300	3.3011			7352				4	9.5536	9.7174		
7294	3†	15.8205	15.9459	7	4.9742	4.1037			7353	3	20.3417	21.1910	9	9.7135	9.1497		
7295	30§	16.2675	16.5655	38§	5.4449	4.6986	69 970	8.2	7354				4	10.5045	9.3441		
7296	29§	16.2721	16.5769	36§	5.4527	4.7117			7355	44§	22.0448	22.0629	50§	11.4481	9.9507	69 973	8.0
7297				4	5.5620	4.2642			7356				3	12.0593	9.1385		
7298				4	6.6915	4.8250			7357				2	13.1333	9.8052		
7299				6	6.7363	4.8567			7358				4	4.2011	10.8802		
7300				5	7.5521	4.8589			7359				4†	5.0617	10.3553		
7301				4	8.0453	4.6731			7360	22§	17.3660	22.1561	28§	6.7809	10.2372	69 972	9.1
7302	4	21.4187	16.4825	10	10.5899	4.4009			7361				2	7.7873	10.7077		
7303				5	10.7756	4.3469			7362				3	10.5247	10.7015		
7304				4	12.0160	4.8243			7363	3	21.3901	22.8359	8	10.8312	10.7512		
7305	4	24.5211	17.1631	12	13.7216	4.9482			7364				4	11.3031	10.1653		
7306				4	4.7594	5.4057			7365				4	13.0908	10.6943		
7307				2	4.8851	5.7399			7366	12	24.3705	23.1360	24§	13.8212	10.9237	69 975	9.4
7308				5	8.1747	5.5710			7367	28§	15.4586	23.5310	36§	4.9354	11.6937	69 969	9.0
7309	4	19.7569	17.6145	13§	8.9758	5.6053			7368				5	5.6721	11.9923		
7310				3	9.5819	5.0125			7369	3*	17.4206	23.2563	8	6.8824	11.3353		
7311	3	20.5690	17.0479	7	9.7638	5.0018			7370	2*	18.1305	23.8207	6	7.6136	11.8683		
7312	10	20.7868	17.5017	20§	10.0020	5.4453			7371				6	10.2087	11.8749		
7313	3	22.4951	18.1299	8	11.7342	5.9995			7372				4	12.0523	11.3552		
7314	4†	22.5993	18.0406	8	11.8336	5.9070			7373	4*	22.6428	23.1825	10	12.0955	11.0423		
7315	4	14.3303	18.7467	10	3.6030	6.9650			7374				2†	13.4181	11.6185		
7316				6	4.0763	6.7589			7375	3*	14.0176	23.9264	9	3.5038	12.1495		
7317	29§	17.3684	17.9553	39§	6.6050	6.0430	69 971	9.0	7376	2*	16.7911	24.7949	7	6.3158	12.9029		
7318				6	9.3421	6.2065			7377	6	17.1504	24.3251	13	6.6556	12.4176		
7319				3	11.4421	6.4441			7378				3	10.8343	12.6778		
7320				6	11.6151	6.7833			7379				7	11.6522	12.2354		
7321	10	22.5157	18.5874	16§	11.7736	6.4569			7380				3	7.4895	13.6368		
7322				8	13.9367	6.0585			7381				2	7.7550	13.3773		
7323	13	14.6242	19.2075	24§	3.9160	7.4109			7382				4	8.0665	13.2403		
7324				3	4.3434	7.0575			7383				2	8.6420	13.5545		
7325	4	15.6385	19.7223	12	4.9528	7.8803			7384				2	10.2348	13.4573		
7326				4	5.2684	7.8851			7385				2	11.1010	13.2013		
7327				6	6.1124	7.7523			7386	6	22.1020	25.7888	20§	11.6659	13.6694		
7328	2*	17.2094	19.4380	5	6.5055	7.5304			7387				7	12.6979	13.3967		
7329	2	17.7804	18.9328	5	7.0565	7.0035			7388	71§	23.2400	25.6976	67§	12.7961	13.5297	69 974	8.1
7330				2	7.1364	7.7148			7389				6	12.9193	13.3227		
7331				4	7.2734	7.0450			7390				2	13.4310	13.7925		
7332				2	7.3762	7.7762											
7333				4	10.9917	7.0873				9	25.9108	26.3695				69 976	9.1
7334	6	22.1392	19.2446	13§	11.4269	7.1301				98§	26.2451	26.4808				69 977	7.9
7335				6	11.9148	7.2445			R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup>								
7336				4	12.2265	7.2863			Centre	R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°			R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				
7337				2	13.1666	7.2382				Plate 3251. 1896, Sept. 23.			Plate 2710. 1895, June 20.				
7338	2*	24.6116	19.9272	10	13.9253	7.7056			7391	5	4.0690	14.1154	6	14.7731	1.8643	°	m.
7339				4	4.4497	8.1942			7392	9	6.6020	14.1233	9	17.3065	1.9680		
7340	3	16.0433	20.3911	8	5.3833	8.5336			7393	3*	3.8359	14.9257	5	14.5084	2.6625		
7341	3	16.1761	20.1456	8	5.5074	8.2803			7394	13	4.7329	15.1592	14	15.3965	2.9305		
7342	4	17.1074	20.5233	4	6.4535	8.6188											
7343	3	18.5054	20.0856	10	7.8330	8.1215											
7344	3*	21.9646	20.8329	7	11.3174	8.7240											

r réseau interval represents very nearly 5' = 55.8' of R.A. at Dec. + 69°, and 58.5' at Dec. + 70°.



## ZONE + 69°.

R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>								R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			
Plate 3251. 1896, Sept. 23.				Plate 2710. 1895, June 20.				Plate 3251. 1896, Sept. 23.				Plate 2710. 1895, June 20.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
7395	4	5°7480	14°4255	4*	16°4409	2°2358		7453	4	9°8200	20°8656	4*	20°2579	8°8279	
7396	5	7°3919	14°2928	5†	18°0903	2°1669		7454	6	10°4191	20°3231	9	20°8782	8°3099	
7397	34§	8°7603	14°4965	50§	19°4483	2°4231	68 995 9°3	7455	10	12°7693	20°6179	15	23°2143	8°6986	
7398	6	10°6414	14°6413	6	21°3230	2°6406		7456	5	13°6361	20°3378	5	24°0918	8°4490	
7399	10	11°3431	14°3759	8	22°0323	2°4050		7457				7	14°4224	9°6895	
7400	10	11°5796	14°8240	10	22°2489	2°8607		7458				3	14°5433	9°9384	
7401	9	13°8306	14°6151	8	24°5091	2°7401		7459				4	14°6131	9°3675	
7402	10	13°8560	14°5606	9	24°5378	2°6820		7460	4*	4°1908	21°2935	6*	14°6181	9°0375	
7403	6	5°0807	15°7678	7	15°7192	3°5505		7461	4*	5°0285	21°5427	4	15°4400	9°3196	
7404	20§	5°6322	16°1957	25§	16°2582	3°9998		7462	9	7°7623	21°1451	10	18°1909	9°0313	
7405	4†	5°8904	15°9472					7463				3	18°7049	9°8613	
7406	7	5°9765	15°7682	8	16°6168	3°5891		7464				3	19°4022	9°9047	
7407	4	8°8433	15°9763	4†	19°4733	3°9072		7465	4	10°0248	21°5972	4*	20°4349	9°5667	
7408	11	9°9713	15°4313	15	20°6198	3°4051		7466	2*	11°1316	21°9086	4*	21°5283	9°9262	
7409	6	11°8308	15°3911	8	22°4808	3°4366		7467	33§	11°3100	21°8058	40§	21°7112	9°8287	69 984 9°0
7410	4	11°8794	15°2566					7468	8	11°7694	21°0253	10	22°1976	9°0660	
7411	44§	13°0195	14°9990	65§	23°6872	3°0899	69 985 8°5	7469	6*	3°9136	23°0257	9	14°2718	10°7570	
7412	7	13°1915	15°2702	6	23°8450	3°3691		7470	9	4°0308	22°8398	10	14°3943	10°5777	
7413	15	3°6717	16°7351	15	14°2750	4°4640		7471	5	7°5098	22°9950	6	17°8641	10°8696	
7414	5	6°7834	16°2934	5	17°4002	4°1434		7472	2*	8°0396	22°9282	3*	18°4027	10°8170	
7415	4	6°9152	16°3090	4	17°5332	4°1598		7473				5	18°4542	10°9317	
7416	17§	8°0960	16°1348	19§	18°7193	4°0348		7474	4	8°0938	22°1945	5	18°4781	10°9093	
7417	5	9°0200	16°4448	5	19°6319	4°3822		7475	13	8°6081	22°4561	12	18°9838	10°3732	
7418	4*	9°8865	16°9257	4*	20°4802	4°8917		7476	5*	8°7746	22°5643	5	19°1492	10°4854	
7419	12§	10°6515	16°0568	20§	21°2753	4°0568		7477	4*	9°5081	23°0057	4	19°8615	10°9549	
7420	4	11°1997	16°8751	4	21°7903	4°8955		7478				4	20°2390	10°0987	
7421	4	12°0919	16°4046	4*	22°7004	4°4618		7479	3*	10°2937	22°5648	3	20°6665	10°5454	
7422	19§	3°7105	17°3352	18§	14°2915	5°0645		7480	5	12°2205	22°3749	6	22°5943	10°4297	
7423	4	4°9215	18°1582	4	15°4670	5°9341		7481	1	5°6225	23°8325	13	15°9470	11°6295	
7424	18	5°6739	17°9348	20	16°2297	5°7374		7482				6	17°0173	11°3137	
7425	18§	6°8795	18°1179	15	17°4263	5°9708		7483				3	17°4512	11°2843	
7426	4	6°9900	18°0638	5	17°5392	5°9190		7484				3†	18°0538	11°7055	
7427	4	9°0058	18°0130	8	19°5533	5°9458		7485	11	8°0120	23°7153	12	18°3409	11°6078	
7428	4	9°6969	17°2523	4*	20°2739	5°2106		7486	8	8°0855	23°7060	10	18°4130	11°6017	
7429	5	10°5806	18°0005	7	21°1287	5°9955		7487	4†	8°3019	24°0148	5	18°6204	11°9204	
7430	21§	11°6089	17°4116	32§	22°1780	5°4469		7488	4*	9°8806	23°5237	4	20°2158	11°4886	
7431	4	13°2707	16°9383	4*	23°8595	5°0404		7489	6	12°8620	23°3371	7	23°2020	11°4194	
7432	22	4°7182	19°1667	18§	15°2262	6°9344		7490	9	13°1826	23°4854	11	23°5158	11°5784	
7433	6	5°6724	18°3936	6	16°2103	6°1967		7491	4	13°3898	23°0145	6	23°7405	11°1146	
7434	5	10°0677	18°7791	6	20°5854	6°7543		7492				3	14°3913	12°5503	
7435	15§	12°2977	18°4345	18	22°8284	6°4959		7493	6*	5°8272	25°1667	7	16°0963	12°9800	
7436	4	12°7965	18°2699	4*	23°3319	6°3530		7494	6	9°7316	24°3132	10	20°0348	12°2718	
7437	8	13°1318	18°8491	12	23°6431	6°9450		7495	3*	9°8112	24°3160	5	20°1151	12°2789	
7438	3	13°8158	18°8447					7496	42§	10°1748	24°7255	42§	20°4630	12°7002	69 983 8°5
7439	20	4°2205	19°4433	16§	14°7191	7°1895		7497	11	11°0850	24°7560	14	21°3707	12°7697	
7440	17	5°5743	19°6079	18	16°0632	7°4095		7498	9	12°1980	24°6142	12	22°4863	12°6700	
7441	22§	8°6635	19°5880	25§	19°1538	7°5072	69 981 9°3	7499	11	12°7742	24°7896	16	23°0578	12°8665	
7442	4	9°3002	19°9146	5	19°7743	7°8591		7500				4	14°8591	13°5893	
7443	7	11°0863	19°0615	8	21°5914	7°0743		7501	4*	5°5296	25°2592	8	15°7965	13°0553	
7444	4	12°7390	19°5288	4	23°2259	7°6094		7502				6	16°1283	13°5268	
7445	3*	13°0966	19°4757	2*	23°5847	7°5688		7503	6	6°2706	25°5651	9	16°5262	13°3904	
7446	4	13°6308	19°1053	3*	24°1360	7°2188		7504	4	7°5605	25°5630	6	17°8162	13°4350	
7447	6	3°8706	20°8172	6	14°3141	8°5498		7505	43§	9°3914	25°6350	42§	19°6456	13°5799	69 982 8°6
7448	25§	5°9337	20°9815	25§	16°3699	8°7942	69 978 9°5	7506	6	10°4730	25°9175	8	20°7121	13°9046	
7449	9	6°4851	20°9275	9	16°9194	8°7626		7507	6	11°0388	25°6997	9	21°2861	13°7098	
7450	21§	7°6018	20°3233	22§	18°0642	8°2006	69 980 9°4	7508				4	21°3024	13°7500	
7451	4†	8°5911	20°1573	5	19°0586	8°0738		7509	4*	12°6996	25°6857	4	22°9499	13°7562	
7452	19§	8°8307	21°0063	19§	19°2648	8°9313		7510				4	23°2653	13°7034	

Plates 3251, 2710, B.D. 69°79', mag. 9.3. There is no star on these plates whose place corresponds to this.

1 *réseau* interval represents very nearly 5' = 55.8" at Dec. + 69°, and 58.5" at Dec. + 70°.

## ZONE + 69°.

R.A. 18 <sup>h</sup> 20 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 18 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				Centre R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 3251. 1896, Sept. 23.				Plate 2710. 1895, June 20.				Plate 3251. 1896, Sept. 23.				Plate 3171. 1896, June 16.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.
7511	25 $\frac{5}{8}$	13°2830	25°2953	31 $\frac{5}{8}$	23°5459	13°3916	69° 986 9.5	7561	9	21°8673	19°4145	9	11°2768	7°2896	
7512	3*	13°5796	25°7561	6	23°8232	13°8645		7562	9	23°4238	19°4546	8	12°8350	7°2556	
	80 $\frac{5}{8}$	2°5440	25°8530					7563	22	24°2321	20°1539	21 $\frac{5}{8}$	13°6766	7°9154	
	32 $\frac{5}{8}$	5°2610	26°3050					7564	8	24°3262	19°8861	10	13°7559	7°6457	
	67 $\frac{5}{8}$	5°6027	26°3888					7565				4	3°6931	8°8909	
								7566	4	14°6299	20°3778	7	4°0939	8°5958	
								7567	2*	15°4596	20°3568	2†	4°9185	8°5366	
								7568	4	16°9576	20°2155	6	6°4116	8°3236	
								7569	16	19°4648	20°4699	17	8°9301	8°4573	
								7570	9	20°2212	20°8366	9	9°7019	8°7880	
								7571	5	22°2017	20°8698	6	11°6826	8°7291	
								7572	2*	23°5253	20°4750	3	12°9835	8°2676	
								7573	4†	14°0795	21°6878	4	3°6077	9°9323	
								7574	5	14°3196	20°8401	9	3°8052	9°0702	
								7575	3	17°7103	21°2245	4	7°2116	9°2940	
								7576	26 $\frac{5}{8}$	17°7203	21°5444	36 $\frac{5}{8}$	7°2363	9°6121	69 989 9.4
								7577	3	18°6008	21°6650	4	8°1221	9°6934	
								7578	21 $\frac{5}{8}$	19°4710	21°9810	14	9°0063	9°9665	
								7579	3	14°9195	22°2657	4	4°4738	10°4693	
								7580	21 $\frac{5}{8}$	17°5685	22°6367	21 $\frac{5}{8}$	7°1354	10°7146	
								7581	8	19°2379	22°4472	11	8°7957	10°4452	
								7582	17	19°5380	22°5952	17	9°1023	10°5782	
								7583	6	20°6907	23°0425	7	10°2747	10°9680	
								7584	3*	21°8255	22°8993	3	11°4019	10°7758	
								7585	4	22°5897	22°9760	6	12°1693	10°8150	
								7586	2*	22°7861	22°3563	4	12°3386	10°1884	
								7587	2*	22°8810	22°7476	4	12°4504	10°5740	
								7588	10	23°7804	22°9278	14	13°3576	10°7116	
								7589	4	14°7869	23°1657	4	4°3833	11°3732	
								7590	10	16°0018	23°5880	12 $\frac{5}{8}$	5°6166	11°7382	
								7591	15	19°2584	23°6924	14	8°8753	11°6863	
								7592				3	10°1564	11°7438	
								7593	4*	20°5754	23°4353	4	10°1787	11°3695	
								7594	4	20°9890	24°0128	7	10°6180	11°9239	
								7595	3*	21°2876	23°1142	4	10°8771	11°0120	
								7596	8	22°8088	23°7682	11	12°4247	11°5957	
								7597				5	13°9170	11°1157	
								7598	6	14°6230	24°4244	8	4°2822	12°6357	
								7599	28 $\frac{5}{8}$	16°8146	23°9860	27 $\frac{5}{8}$	6°4496	12°0970	69 987 9.1
								7600	15	17°4557	24°5465	17 $\frac{5}{8}$	7°1157	12°6260	
								7601	53 $\frac{5}{8}$	17°5000	24°4614	65 $\frac{5}{8}$	7°1570	12°5358	69 988 8.2
								7602	24	20°2642	24°3832	22 $\frac{5}{8}$	9°9133	12°3266	
								7603	3*	20°2528	24°8578	4	9°9274	12°8054	
								7604	11	20°4808	24°1258	12	10°1172	12°0637	
								7605				2	11°2265	12°1123	
								7606	17	22°4275	24°5338	16	12°0815	12°3756	
								7607	5	23°4324	24°6736	8	13°0939	12°4682	
								7608				4	13°6529	12°4326	
								7609	9	15°7225	25°7559	13	5°4434	13°9156	
								7610	31 $\frac{5}{8}$	18°1591	25°0020	31 $\frac{5}{8}$	7°8400	13°0435	69 991 9.4
								7611	7	18°3383	25°5461	12	8°0469	13°5835	
								7612				4	8°2791	13°8348	
								7613	25 $\frac{5}{8}$	18°8802	25°5818	27 $\frac{5}{8}$	8°5889	13°5910	69 993 9.5
								7614	25 $\frac{5}{8}$	18°9060	25°5548	23 $\frac{5}{8}$	8°6124	13°5638	
								7615	6	19°3611	25°5457	8	9°0667	13°5346	
								7616	4	20°7458	25°2033	6	10°4311	13°1254	
								7617	6	23°1642	25°4827	12	12°8597	13°2875	
									43 $\frac{5}{8}$	26°5215	19°6869				69 997 9.0
									62 $\frac{5}{8}$	21°8431	26°5767				69 994 9.0



## ZONE + 69°.

R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup>							R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. +69°			R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. +69°			R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			
Plate 3540. 1897, June 14.			Plate 3171. 1896, June 16.				Plate 3540. 1897, June 14.			Plate 3171. 1896, June 16.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
7618	4	3°3120	14°6099	7	14°0120	2°3600	7677	13	11°0225	18°7270	208	21°5774	6°7395
7619	4*	3°5093	14°8248	6	14°2018	2°5769	7678	3*	11°3748	18°5916	7	21°9352	6°6164
7620	15	5°6801	14°9153	208	16°3686	2°7431	7679	5	11°7226	18°8035	15	22°2717	6°8402
7621	14	6°0557	14°9458	228	16°7427	2°7862	7680	7	11°8465	18°4415	17	22°4096	6°4805
7622				5	19°2898	2°7422	7681	4*	12°4918	18°2773	5	23°0614	6°3378
7623	4	9°1414	14°6835	6	19°8349	2°6338	7682	5	12°6610	18°2731	10	23°2310	6°3436
7624	3*	10°1090	14°1468	6	20°8193	2°1291	7683				5	23°3629	6°6816
7625	3*	10°3660	14°1757	4*	21°0720	2°1667	7684	228	3°5067	19°3334	268	14°0408	7°0824
7626	7	10°6736	14°3947	12	21°3786	2°3960	7685	4*	3°8860	19°3862	5	14°4199	7°1476
7627	288	10°6900	14°4068	388	21°3947	2°4083	7686	3*	4°0500	20°1165	5	14°5572	7°8792
7628	9	12°8600	14°0723	228	23°5712	2°1485	7687				3	15°0538	7°7228
7629	198	12°8801	14°0975	418	23°5918	2°1747	7688	298	5°4133	19°5261	408	15°9415	7°3424
7630	238	4°1782	16°0548	278	14°8274	3°8276	7689	358	6°0133	19°1925	468	16°5532	7°0283
7631	3*	5°5470	15°3473	4	16°2210	3°1702	7690	3†	6°3795	19°4639	5	16°9105	7°3159
7632	5	6°9003	15°9910	8	17°5502	3°8625	7691	8	6°6810	19°3833	13	17°2129	7°2441
7633	4	7°2972	15°4714	11	17°9655	3°3547	7692	14	6°7012	19°8224	188	17°2195	7°6826
7634	3†	7°8303	15°6520	6	18°4936	3°5519	7693	9	11°9528	19°9134	16	22°4654	7°9561
7635	6	8°7436	15°8016	15	19°4013	3°7347	7694	4*	12°7310	19°1117	9	23°2706	7°1828
7636	5	9°2569	15°2091	11	19°9334	3°1609	7695	6	13°8730	19°2277	14	24°4087	7°3376
7637				4	20°2981	3°2636	7696	4	6°0692	21°0765	7	16°5412	8°9148
7638	+	10°8260	15°9463	7	21°4738	3°9528	7697	7	6°0915	20°9603	16	16°5710	8°7988
7639	4*	3°8490	17°0533	6	14°4647	4°8153	7698	15	6°4018	20°8928	188	16°8832	8°7413
7640				4	14°5864	4°7106	7699	3*	7°6895	20°3605	5	18°1896	8°2550
7641	4	4°5541	16°4708	7	15°1876	4°2574	7700	4*	8°6182	20°1478	5	19°1210	8°0749
7642	4*	4°5795	17°1548	8	15°1912	4°9440	7701	4†	9°0153	20°6406	6	19°5056	8°5822
7643	5	6°0805	16°2461	10	16°7252	4°0857	7702				5	19°8979	8°5364
7644	3*	7°2902	16°6968	5	17°9165	4°5802	7703	288	10°5627	20°3243	358	21°0605	8°3175
7645	528	7°4586	17°0090	618	18°0733	4°8963	7704	3*	5°4344	21°3699	6	15°9000	9°1853
7646	5	7°6397	16°4910	10	18°2713	4°3863	7705	15	5°9923	21°5340	22	16°4508	9°3671
7647	6	8°0280	16°1196	16	18°6750	4°0258	7706				4	17°0208	9°2301
7648	4	8°2005	16°5771	9	18°8297	4°4891	7707	218	9°5035	21°3267	258	19°9683	9°2840
7649	4	8°7887	16°1440	8	19°4313	4°0776	7708	2*	11°6940	21°8478	4	22°1412	9°8793
7650				4	19°8867	4°9860	7709	188	11°9345	21°6408	258	22°3859	9°6807
7651	218	9°4404	16°8884	308	20°0600	4°8450	7710	148	13°2211	21°6636	228	23°6707	9°7474
7652	2*	9°6785	16°3473	4*	20°3159	4°3072	7711	118	13°5263	21°4544	208	23°9843	9°5497
7653	258	10°5358	16°3110	408	21°1719	4°3068	7712	7	4°8467	22°6204	12	15°2643	10°4155
7654	4*	11°0195	16°8468	6	21°6394	4°8590	7713				5	16°2313	10°6137
7655	8	11°4876	16°7914	19	22°1085	4°8177	7714	198	6°1724	22°4714	238	16°5994	10°3130
7656	4	13°2828	16°7888	8	23°9010	4°8794	7715	5	6°4318	22°6979	9	16°8480	10°5514
7657	4†	13°7824	15°8949	8	24°4320	4°0020	7716				4	21°7209	10°6975
7658				6	14°1110	5°4910	7717	208	12°5446	22°5413	258	22°9648	10°6025
7659	4†	4°1435	17°9630	6	14°7276	5°7350	7718	11	12°5987	22°5513	19	23°0168	10°6145
7660	4	4°7119	17°9603	9	15°2946	5°7528	7719	2*	13°8505	21°9588	5	24°2911	10°0670
7661				4	15°3136	5°7950	7720	10	13°9800	22°8024	19	24°3899	10°9146
7662	4*	5°2463	17°9104	6	15°8296	5°7230	7721	4*	3°8109	24°0466	5	14°1822	11°8045
7663	4	5°2611	17°8421	6	15°8494	5°6542	7722	8	3°8408	24°0548	10	14°2112	11°8156
7664				4†	16°6321	5°8637	7723				6	14°5652	11°8185
7665	4*	7°3185	17°7764	6	17°9082	5°6564	7724	4	7°3383	23°2745	5	17°7347	11°1548
7666	6	9°5524	17°7063	11	20°1403	5°6650	7725	358	7°8360	23°0830	428	18°2081	11°8787
7667	158	10°5634	17°7859	208	21°1503	5°7802	7726	7	9°1314	23°9915	13	19°5023	11°9336
7668	7	11°9196	17°9565	19	22°4980	5°9998	7727	2*	10°8665	23°4155	5	21°2576	11°4173
7669	298	12°7988	17°4245	408	23°3958	5°4973	7728				4	21°4499	11°6386
7670	8	3°8105	18°9526	12	14°3585	6°7148	7729	218	13°1500	23°1835	288	23°5498	11°2656
7671				5	14°6973	6°8762	7730				4	23°9053	11°7656
7672	4	5°5087	18°1920	5	16°0823	6°0085	7731	10	6°6459	24°3732	12	17°0058	12°2296
7673	4	9°3895	18°0972	5	19°9633	6°0530	7732	15	8°0070	24°9498	218	18°3450	12°8532
7674	13	10°1234	18°3262	218	20°6905	6°3048	7733	11	11°2848	24°1670	18	21°6490	12°1823
7675	5	10°1279	18°2673	8	20°6977	6°2475	7734	4	12°0719	24°5351	8	22°4208	12°5013
7676	10	10°3458	18°7900	19	20°8974	6°7764	7735	7	12°8099	24°3332	11	23°1661	12°4031

1 réseau interval represents very nearly 5' = 55°8 of R.A. at Dec. + 69°, and 58°5 at Dec. + 70°.

## ZONE + 69°.

							B. D.									B. D.	
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
R.A. 18 <sup>h</sup> 40 <sup>m</sup> to 18 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>									R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Plate 3540. 1897, June 14.			Plate 1246. 1893, June 28.		
7736	6	13°034	23°9441	12	23°9726	12°0390			7789	16	20°5305	18°9533	18	9°9940	6°8721		
7737	19§	6°4854	25°8192	22§	16°7925	13°6682			7790	2*	20°5818	19°0622	4	10°0453	6°9800		
7738	4*	6°7895	25°4350	8	17°1113	13°2938			7791				4†	10°8041	6°5408		
7739	11	9°1649	25°8857	15§	19°4687	13°8261			7792	2*	22°4394	18°1873	4*	11°8652	6°0291		
R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup>									7793	15	23°4523	18°3317	17	12°8858	6°1301	69 1016	9·3
7740	2*	22°2420	14°0107	5	11°4977	1°8627			7794	97§	24°0300	18°8510	122§	13°4830	6°6255	69 1018	6·3
7741	17	15°0587	14°1725	33	4°3227	2°3241			7795	27§	14°1681	19°2147	35§	3°6432	7°3990		
7742	8	15°1412	14°4242	14	4°4180	2°5736			7796	5	14°1867	18°8614	12	3°6491	7°0458		
7743	3*	16°0094	14°0722	6	5°2680	2°1857			7797	3*	16°2497	19°3927	5	5°7322	7°4909		
7744	9	16°1421	14°2351	17	5°4115	2°3430			7798	2*	19°8609	19°4295	3	9°3389	7°3789		
7745	2*	18°3171	14°8758	4†	7°6080	2°8882			7799	5	19°9815	19°7952	8	9°4763	7°7395		
7746	3	18°7801	14°5636	5†	8°0596	2°5623			7800				3	10°9162	7°9095		
7747	6	19°4275	14°5939	15	8°7067	2°5644			7801	2*	21°4391	19°9283	3	10°9343	7°8128		
7748	27§	19°8463	14°6919	34§	9°1284	2°6424			7802	3*	21°6905	20°1115	6	11°2009	7°9808		
7749	27§	19°8588	14°6954	40§	9°1398	2°6465			7803	38§	22°4774	19°6097	48§	11°9640	7°4483	69 1015	8·7
7750	14	22°9383	14°2543	22§	12°2018	2°0778			7804	3*	22°8749	19°3219	6	12°3453	7°1426		
7751	2*	23°7590	15°0177	4*	13°0522	2°8036			7805				3	13°0998	7°7779		
7752	3*	15°6386	15°7759	4	4°9708	3°9003			7806	4	15°3708	20°0758	10	4°8844	8°2103		
7753	7	15°9246	14°9353	17	5°2219	3°0508			7807	6	16°1591	20°8202	12	5°7010	8°9210		
7754	8	17°1077	15°8433	19	6°4425	3°9070			7808				3†	6°4177	8°4212		
7755	4	17°8673	15°4414	7	7°1811	3°4752			7809	11	17°0243	20°9106	11	6°5697	8°9730		
7756	20§	19°5770	15°4261	24§	8°8914	3°3888			7810	3	17°3891	20°0945	7	6°8999	8°1421		
7757	17§	19°9245	15°9968	24§	9°2640	3°9423			7811	2*	18°7385	20°8493	4†	8°2829	8°8394		
7758	3*	21°7639	15°6184	5	11°0845	3°4909			7812	9	19°6411	20°6674	13	9°1740	8°6233		
7759	3*	22°0498	15°9507	7	11°3836	3°8110			7813	4	19°6439	20°9546	6	9°1876	8°9073		
7760	4	22°2023	15°5695	9	11°5210	3°4227			7814	20§	20°1721	20°8592	27§	9°7135	8°7918		
7761	3*	23°7675	16°1548	4	13°1091	3°9422			7815	19§	21°4503	21°0635	24§	10°9998	8°9418		
7762	5	24°3529	15°8556	8	13°6825	3°6201			7816	4	21°9206	21°0218	6	11°4650	8°8827		
7763	4*	15°7871	16°6019	7	5°1529	4°7220			7817	25§	23°7804	21°1820	27§	13°3316	8°9625	69 1017	9·5
7764	4	16°5965	16°2998	10	5°9490	4°3857			7818				2	13°6077	8°5919		
7765	14	16°6371	16°7997	25§	6°0123	4°8833			7819	24§	15°0697	21°6460	33§	4°6486	9°7903	69 1005	9·3
7766	10	17°6758	16°2583	20	7°0260	4°2992			7820	2*	16°4936	21°2767	2	6°0600	9°3598		
7767	21§	18°9338	16°5690	27§	8°2973	4°5580	69 1010	9·4	7821				3†	7°5999	9°0893		
7768	3	19°9011	16°9128	7	9°2790	4°8617			7822	8	19°0761	21°4753	14	8°6435	9°4525		
7769	27§	20°7980	16°4649	36§	10°1532	4°3732	69 1012	9·4	7823	17§	19°6161	21°1856	24§	9°1706	9°1419	69 1011	9·5
7770	2	21°1847	16°6460	5	10°5482	4°5403			7824	4	20°3596	21°6555	9	9°9342	9°5790		
7771	2*	21°3169	16°5955	5	10°6778	4°4819			7825	6	15°6189	22°6277	12	5°2374	10°7484		
7772	7	21°3924	16°7890	14	10°7625	4°6740			7826	2*	15°7575	22°2371	5	5°3627	10°3525		
7773	7	21°9383	16°7348	16	11°3044	4°5992			7827	5	15°7993	22°7587	9	5°4221	10°8710		
7774	2*	24°3981	16°9173	5	13°7708	4°6773			7828	6	16°0615	22°4493	10	5°6741	10°5509		
7775				3	5°2633	5°4348			7829	22§	17°6467	22°8987	24§	7°2738	10°9357	69 1008	9·5
7776	5	15°8501	17°8672	15	5°2703	5°9825			7830	29§	17°9853	22°3358	37§	7°5915	10°3609	69 1009	8·5
7777	5	20°4985	17°9438	9	9°9155	5°8647			7831				4	8°2736	10°7861		
7778	9	20°6183	17°4156	15	10°0153	5°3330			7832	2*	19°1318	22°6391	3	8°7470	10°6128		
7779	10	20°9875	18°0020	19	10°4092	5°9022			7833	2*	21°0124	22°4782	3	10°6199	10°3712		
7780				3	12°3329	5°7269			7834	28§	21°2659	22°8921	34§	10°8904	10°7772	69 1014	9·5
7781	23§	23°7804	17°8914	26§	13°1952	5°6773			7835	2*	23°2827	22°4282	3*	12°8861	10°2318		
7782	20§	14°4951	18°5089	32§	3°9450	6°6786			7836	2*	23°3976	23°0782	4	13°0310	10°8743		
7783	2*	15°1637	18°7490	3	4°6238	6°8918			7837	2*	14°3802	22°9172	4	4°0143	11°0898		
7784	2*	15°3284	18°5907	3	4°7754	6°7257			7838	27§	15°8307	23°0997	36§	5°4717	11°2119	69 1006	9·1
7785				4	5°8263	6°4722			7839	9	17°1937	23°0574	12	6°8293	11°1126		
7786	11	17°6110	18°5314	18	7°0573	6°5712			7840	16	17°3508	23°1924	24§	6°9928	11°2393	69 1007	9·5
7787	3	19°0989	18°3879	7	8°5367	6°3673			7841	6	19°1696	24°0035	8	8°8432	11°9760		
7788	2*	19°2891	18°5489	3	8°7341	6°5240			7842	14	19°9356	23°6251	17	9°5946	11°5660		
									7843				5	10°0553	11°7745		
									7844	6	20°6310	23°4272	14	10°2777	11°3407		
									7845	9	15°0100	23°8962	16	4°6838	12°0415		
									7846				3†	7°5582	12°9085		
									7847	7	18°9556	24°3636	13	8°6455	12°3438		

No. 7817, B. D. 69° 1017. The declination given in the B. D. appears to be about 2' too large.

$\alpha$  *réseau* interval represents very nearly  $5' = 55^{\circ} \cdot 8$  of R.A. at Dec. + 69°, and  $58^{\circ} \cdot 5$  at Dec. + 70°.



## ZONE + 69°.

R.A. 18 <sup>h</sup> 50 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> —contd.								
Centre		R.A. 18 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 3540.		1897, June 14.		Plate 1246.			1893, June 28.		Plate 4050.		1898, July 8.		Plate 1246.		
1893, June 28.								1893, June 28.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .		
B. D.							B. D.								
No. Mag.							No. Mag.								
7848				3	9°20'02	12°9'863	7899	4	8°02'50	16°46'51	5	18°72'38	4°39'03		
7849	2*	20°00'59	24°25'01	5	9°69'27	12°19'33	7900	6	10°28'99	16°64'36	6	20°98'08	4°65'96		
7850	3	20°20'03	24°76'95	8	9°90'60	12°69'90	7901	24§	11°04'20	16°12'99	32§	21°75'48	4°17'84		
7851	7	22°33'98	24°90'22	9	12°04'58	12°74'00	7902	39§	11°23'87	16°62'36	42§	21°92'68	4°67'76		
7852				3	12°76'94	12°11'96	7903	5	11°56'24	16°16'88	6*	22°27'26	4°23'66		
7853				4	13°24'91	12°24'51	7904	5	13°43'91	16°63'78	4*	24°12'73	4°78'66		
7854	3	14°02'35	25°21'62	6	3°75'13	13°40'42	7905	4	5°64'31	17°61'29	6†	16°29'61	5°44'00		
7855				3	5°25'28	13°32'72	7906	3*	5°80'65	17°55'15	5	16°46'24	5°38'35		
7856				4	7°84'34	13°60'54	7907	7	5°81'93	17°66'57	9	16°47'05	5°49'80		
7857				4†	7°95'52	13°11'83	7908	47§	6°48'76	17°61'91	49§	17°13'82	5°48'04		
7858	5	20°32'40	25°67'69	1§	10°06'73	13°60'07	7909	4*	7°89'11	17°42'77	4	18°55'20	5°34'55		
7859				3	10°62'59	13°39'88	7910	14	8°79'67	17°19'55	19	19°46'49	5°14'78		
7860	10	23°76'66	25°40'34	18	13°49'23	13°18'23	7911	10	8°90'33	17°35'64	17	19°56'53	5°31'42		
R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup>							R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup>								
Centre		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 4050.		1898, July 8.		Plate 1246.			1893, June 28.		Plate 4050.		1898, July 8.		Plate 1246.		
1893, June 28.								1893, June 28.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .		
B. D.							B. D.								
No. Mag.							No. Mag.								
7861	5	9°06'50	13°97'15	10	19°86'53	1°94'10	7912	4	9°61'87	17°47'61	5	20°27'37	5°46'58		
7862	5	6°21'00	14°51'33				7913	4	9°65'16	17°56'64	4	20°30'57	5°55'63		
7863	7	7°67'68	14°08'25	7*	18°47'34	1°99'37	7914	10	9°83'65	17°26'06	15	20°50'20	5°28'84		
7864	19§	8°35'30	14°62'77	23§	19°12'75	2°56'81	7915	29§	9°85'10	17°89'03	29§	20°48'94	5°88'95		
7865	15§	8°40'47	14°07'55	20	19°20'03	2°01'58	7916	2*	9°99'02	17°11'67	5*	20°65'98	5°11'77		
7866	19§	8°73'51	14°66'15	26	19°50'93	2°61'54	7917	4	10°84'84	17°62'54	6	21°50'05	5°66'20		
7867	4	9°91'83	14°28'03	4*	20°70'22	2°28'52	7918	4	10°97'03	17°18'03	5†	21°63'54	5°22'59		
7868	9	10°50'13	14°75'52	12	21°26'51	2°78'31	7919	18§	12°03'98	17°78'24	22§	22°68'14	5°86'98		
7869	19§	11°64'48	14°65'89	22	22°41'51	2°73'04	7920	22§	12°04'80	17°78'51	28§	22°68'85	5°87'40		
7870	6	11°65'65	14°92'28	7†	22°41'39	2°99'94	7921	23§	12°73'04	17°72'64	31§	23°37'55	5°84'16		
7871	7	13°56'23	14°33'30	7*	24°33'60	2°48'32	7922	4	13°61'61	17°51'07					
7872	32§	13°61'12	14°36'20	59§	24°39'24	2°51'54	7923	4	4°68'69	18°28'82	5*	15°31'36	6°07'42		
7873	17§	13°90'17	14°40'66	13	24°67'95	2°57'33	7924	4	5°05'93	18°15'13	5	15°68'95	5°94'93		
7874	20§	3°41'46	15°94'33	20§	14°13'93	3°67'75	7925	6	5°18'57	18°08'73	9	15°82'03	5°89'07		
7875	4	3°43'99	15°14'65	5*	14°19'50	2°88'62	7926	8	5°34'15	18°08'45	10	15°97'75	5°89'59		
7876	5	3°83'59	15°53'64	4*	14°57'60	3°29'28	7927	3*	5°34'92	18°90'22	4*	15°94'67	6°71'33		
7877	19§	4°00'40	15°16'97	23§	14°76'01	2°92'90	7928	10	5°44'00	18°99'58	9	16°03'58	6°80'99		
7878	19§	5°44'94	15°31'73	21	16°19'43	3°13'76	7929	10	5°45'51	18°98'08	9	16°05'42	6°79'73		
7879	3	6°87'23	15°18'60	4*	17°62'30	3°06'36	7930	3*	5°89'91	18°82'62	3*	16°50'35	6°65'91		
7880	38§	7°12'37	15°92'95	40§	17°84'35	3°81'93	7931	5	6°62'56	18°12'82	6	17°25'70	5°99'30		
7881	9	7°37'41	15°47'43	13	18°11'42	3°37'27	7932	4	6°64'00	18°56'48	4*	17°25'51	6°42'91		
7882	4	8°00'53	15°19'41	3*	18°75'61	3°12'03	7933	5	7°63'37	18°07'35	6	18°26'73	5°97'90		
7883	4	9°04'03	15°15'87	4	19°79'08	3°12'33	7934	5	7°68'19	18°54'23	6	18°29'53	6°44'94		
7884	5	10°39'54	15°61'83	5*	21°12'57	3°64'13	7935	15§	8°17'84	18°78'25	18§	18°78'08	6°71'13		
7885	3	10°54'17	15°98'40	5*	21°26'32	4°00'86	7936	6	13°43'00	18°63'51	6	24°03'37	6°77'79		
7886	6	12°05'22	15°89'93	7*	22°77'00	3°98'97	7937				3†	14°46'45	7°27'93		
7887	7	12°44'00	15°02'05	7	23°19'07	3°12'62	7938	3*	4°95'07	19°94'82	4	15°51'13	7°74'11		
7888	9	12°45'25	15°50'59	11	23°18'54	3°61'14	7939	3	7°83'11	19°73'18	4*	18°39'62	7°64'52		
7889	4	12°79'35	15°86'44				7940	10	8°42'16	19°24'03	12	19°00'50	7°17'75		
7890	6	12°92'98	15°55'73	4*	23°65'80	3°68'25	7941	15§	9°07'35	19°07'83	20	19°66'49	7°04'55		
7891	4	13°46'10	15°97'25	6*	24°17'40	4°12'21	7942	4	13°23'64	19°56'63					
7892	6	3°91'08	16°33'01	8	14°61'64	4°08'40	7943	4	4°12'56	20°90'83	6†	14°64'38	8°66'90		
7893	26§	5°58'44	16°10'78	30	16°29'93	3°93'16	7944	12	4°33'18	20°02'53	10	14°88'73	7°79'31		
7894	6	5°63'13	16°28'07	7	16°33'99	4°10'75	7945	16	4°71'97	20°84'75	13	15°24'26	8°63'22		
7895	25§	6°18'19	16°66'50	25§	16°87'45	4°51'33	7946	6	5°51'07	20°09'61	8	16°06'55	7°91'35		
7896	3*	6°41'66	16°27'62	4*	17°12'15	4°13'37	7947	4*	5°61'82	20°43'67	5	16°15'63	8°25'82		
7897	12	6°77'03	16°76'64	14	17°45'59	4°63'85	7948	15	5°71'62	20°23'95	13	16°26'39	8°06'47		
7898	29§	7°45'38	16°20'35	30§	18°16'51	4°10'44	7949	5	6°27'76	20°22'14	6	16°82'35	8°07'10		
R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup>							R.A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup>								
Centre		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			Centre		R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 69°		R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 70°				
Plate 4050.		1898, July 8.		Plate 1246.			1893, June 28.		Plate 4050.		1898, July 8.		Plate 1246.		
1893, June 28.								1893, June 28.							
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .		
B. D.							B. D.								
No. Mag.							No. Mag.								
7899	4	8°02'50	16°46'51	5	18°72'38	4°39'03	7950	5*	6°31'27	20°03'57	6	16°86'58	7°88'67		
7900	6	10°28'99	16°64'36	6	20°98'08	4°65'96	7951	5	7°26'00	20°84'63	7	17°77'82	8°73'31		
7901	24§	11°04'20	16°12'99	32§	21°75'48	4°17'84	7952	4	7°38'63	20°06'27	4*	17°94'15	7°95'87		
7902	39§	11°23'87	16°62'36	42§	21°92'68	4°67'76	7953	6	9°92'88	20°53'99	7	20°45'85	8°53'90		
7903	5	11°56'24	16°16'88	6*	22°27'26	4°23'66	7954				4	20°53'39	8°46'46		
7904	5	13°43'91	16°63'78	4*	24°12'73	4°78'66	7955	6	10°36'65	20°35'90	9	20°90'35	8°37'46		
7905	4	5°64'31	17°61'29	6†	16°29'61	5°44'00	7956	6	11°62'11	20°48'74	8	22°15'33	8°55'43		
7906	3*	5°80'65	17°55'15	5	16°46'24	5°38'35	7957	18§	12°15'63	20°40'45	19	22°68'82	8°49'36		
7907	7	5°81'93	17°66'57	9	16°47'05	5°49'80									
7908	47§	6°48'76	17°61'91	49§	17°13'82	5°48'04									
7909	4*	7°89'11	17°42'77	4	18°55'20	5°34'55									
7910	14	8°79'67	17°19'55	19	19°46'49	5°14'78									
7911	10	8°90'33	17°35'64	17	19°56'53	5°31'42									
7912	4	9°61'87	17°47'61	5	20°27'37	5°46'58									
7913	4	9°65'16	17°56'64	4	20°30'										

1 réseau interval represents very nearly  $5' = 55''.8$  of R.A. at Dec. + 69°, and  $58''.5$  at Dec. + 70°.

## ZONE + 69°.

R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>							R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup>						
Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.							Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.						
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
7958	4	12'7494	20'3471	4*	23'2850	8'4614	8013	4	15'5753	14'4940	6†	4'8532	2'6045
7959	4*	12'7851	20'0367	4	23'3322	8'1527	8014	4	17'6591	14'6724	6	6'9422	2'6983
7960	4	13'2805	20'2266	4	23'8194	8'3649	8015	4	17'8986	14'3739	5	7'1669	2'3886
7961	31§	13'8551	20'4489	41§	24'3855	8'6105	8016	24§	18'2409	14'9568	28§	7'5339	2'9593
7962	3*	5'2502	21'7430	3*	15'7385	9'5432	8017	7	18'4614	14'2182	11	7'7265	2'2130
7963	8	5'3275	21'6584	9	15'8148	9'4673	8018	2	19'7663	14'8851	4*	9'0574	2'8274
7964	7	5'6298	21'6346	8	16'1161	9'4538	8019	2	20'2616	14'5084	4*	9'5322	2'4274
7965	4	7'2910	21'5859	4*	17'7831	9'4777	8020	16§	20'7196	14'6238	21§	9'9993	2'5239
7966	10	7'6614	21'9350	13	18'1353	9'8383	8021	2*	22'0627	14'9215	4*	11'3529	2'7672
7967	4	7'7214	21'4069	4*	18'2195	9'3164	8022	3	22'5497	14'7273	6	11'8334	2'5542
7968	5	9'2192	21'9590	6	19'6888	9'9285	8023	5	23'0800	15'1333	10	12'3746	2'9390
7969	4	9'8234	21'7573	6	20'3059	9'7526	8024	19§	14'3966	15'1527	28§	3'7018	3'3107
7970	6	11'7330	21'4055	8	22'2250	9'4789	8025	3†	16'2498	15'5672	4*	5'5726	3'6492
7971	8	11'9320	21'7060	10	22'4124	9'7843	8026	4	19'3301	15'4803	7	8'6440	3'4365
7972	44§	12'9406	21'3651	49§	23'4352	9'4861	8027	6	19'9815	15'7233	15	9'3043	3'6534
7973	6	13'0895	21'1126	6	23'5903	9'2395	8028	20§	20'5884	15'5425	21§	9'9025	3'4472
7974	12§	13'5986	21'8546	18	24'0681	10'0025	8029	2*	20'7902	15'6632	3	10'1128	3'5567
7975	9	5'4472	22'7438	10	15'8883	10'5555	8030	4	21'0165	15'9863	8	10'3509	3'8755
7976	36§	5'8460	22'7941	40§	16'2862	10'6215	8031	8	21'7401	15'8147	11	11'0650	3'6714
7977	18	5'8497	22'9520	21§	16'2848	10'7807	8032	5	23'1417	16'1093	8	12'4789	3'9098
7978	17	6'5283	22'8350	14	16'9655	10'6923	8033	7	23'8881	16'0343	19	13'2216	3'8080
7979	3*	7'4002	22'5178	3*	17'8485	10'4152	8034	3	24'0357	16'1667	6	13'3747	3'9353
7980	4	11'2200	22'4945	4*	21'6660	10'5437	8035	13	14'6311	16'7386	15	4'0028	4'8878
7981	12	11'5955	22'9838	15	22'0215	11'0485	8036				5	5'3261	4'1142
7982	6	13'3742	22'0680	9	23'8365	10'2078	8037	5	16'4407	16'3498	10	5'7963	4'4236
7983	6	6'4828	23'5317	5	16'8935	11'3855	8038	21§	16'5544	16'1137	29§	5'8969	4'1816
7984	17§	6'7888	23'3324	18	17'2081	11'1989	8039	3	16'8182	15'9538	5	6'1542	4'0123
7985	4	7'7313	23'3085	4	18'1475	11'2164	8040	6	17'0863	16'9053	13	6'4619	4'9513
7986	7	7'7532	23'7871	7	18'1533	11'6956	8041	3	17'4374	16'8101	4	6'8055	4'8415
7987	3*	10'3295	23'2393	4*	20'7470	11'2509	8042	2	19'4764	16'2334	5	8'8224	4'1830
7988	5	10'4946	23'9558	5	20'8844	11'9715	8043	33§	20'6491	16'5637	40§	10'0053	4'4670
7989	4	11'1015	23'1340	4	21'5244	11'1741	8044	8	21'3780	16'7143	13	10'7411	4'5884
7990	7	11'5124	23'0140	9	21'9401	11'0759	8045	6	21'6715	16'8060	9	11'0360	4'6688
7991	4*	6'8696	24'6042	5	17'2343	12'4738	8046	5	22'6210	16'5156	8	11'9750	4'3385
7992	18	7'7994	24'8481	16	18'1525	12'7560	8047				4	12'3958	4'0013
7993	4	8'7101	24'6308	4*	19'0710	12'5784	8048	4	23'1605	17'0090	9	12'5349	4'8092
7994	24§	8'8942	24'7268	25§	19'2524	12'6799	8049				2	13'2151	4'1802
7995	24§	9'1317	24'5717	23§	19'4955	12'5350	8050				3	13'3444	4'1296
7996	6	10'3310	24'4726	6	20'6975	12'4829	8051				3	13'4277	4'7135
7997	17§	10'6130	24'6681	15	20'9745	12'6914	8052	4*	24'0717	17'1265	9	13'4511	4'8900
7998	4	11'3804	24'8690	4*	21'7301	12'9247	8053				4	13'9643	4'2086
7999	5	11'9123	24'7263	6	22'2693	12'8007	8054	3	14'0834	17'1624	5	3'4721	5'3307
8000				6	14'2238	13'6703	8055	2	14'9298	17'5514	6	4'3331	5'6876
8001	5	5'7856	25'7199	6	16'1065	13'5434	8056	9	15'4417	17'1450	22	4'8257	5'2593
8002	7	6'1738	25'1770	10	16'5161	13'0190	8057	54§	15'7938	16'9800	63§	5'1719	5'0788
8003	9	8'0842	25'1538	11	18'4268	13'0713	8058	30§	16'9578	17'2744	38§	6'3460	5'3274
8004	20	9'3614	25'4745	20§	19'6886	13'4452	8059	5	16'9625	17'5979	11	6'3659	5'6498
8005	4	9'8718	25'3885	5	20'2034	13'3809	8060	9	17'6666	17'9538	15	7'0845	5'9758
8006	3	10'7106	25'1535	3*	21'0494	13'1862	8061	6	17'8364	17'7161	11	7'2443	5'7332
8007	10	11'2074	25'1151	12	21'5483	13'1614	8062	19§	18'5005	17'5576	25§	7'9013	5'5473
8008	8	11'2649	25'1213	8	21'6054	13'1704	8063	6	19'3174	17'2281	13	8'7021	5'1849
8009	4†	11'7182	25'2561	6	22'0523	13'3222	8064	5	19'3014	17'8467	8	8'7115	5'8030
8010	5	12'1696	25'5613	10	22'4906	13'6490	8065				3	10'0453	5'7200
8011	37§	12'9413	25'7915	38§	23'2532	13'9093	8066	4	21'1265	17'2354	6	10'5098	5'1192
8012	12	13'2600	25'4014	18	23'5876	13'5342	8067	7	23'0440	18'1419	10	12'4644	5'9472
	104§	2'8794	18'9158				8068	29§	23'0802	17'7356	39§	12'4844	5'5398
	50§	1'3959	19'7979				8069	6	24'5654	17'6728	11	13'9655	5'4168
							8070	8	14'0500	17'8465	15	3'4651	6'0115
							8071	38§	14'1361	18'3989	46§	3'5736	6'5632



## ZONE + 69°.

R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 10 <sup>m</sup> to 19 <sup>h</sup> 20 <sup>m</sup> —contd.									
Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.				R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1280. 1893, July 9.				Centre R.A. 19 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 4050. 1898, July 8.				R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1280. 1893, July 9.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.		
8072	2*	14.1696	18.5369	4	3.6131	6.7051	69 1042	9.5	8131	3†	17.5598	23.3569	5	7.1941	11.3803	69 1043	9.0
8073	5	16.0597	18.7539	12	5.5098	6.8397		8132	4	18.0589	23.7545	8	7.7085	11.7547			
8074	2	17.7685	18.1357	3	7.1919	6.1537		8133	29§	18.9590	23.6325	27§	8.6045	11.5951			
8075				3	9.2228	6.0565		8134	12	19.3809	23.2021	14	9.0095	11.1498			
8076	8	20.2536	18.9958	9	9.7109	6.9123		8135	4†	21.3807	23.8490	5	11.0298	11.7165			
8077	4	20.6332	18.4152	9	10.0672	6.3182		8136				4	13.3255	11.8635			
8078	2	21.1511	18.5492	4	10.5885	6.4309		8137	21§	14.1531	24.4703	25§	3.8379	12.6291			
8079				4	10.8028	6.2869		8138	24§	14.2415	24.5947	26§	3.9333	12.7488			
8080	10	21.9416	18.4761	16	11.3751	6.3263		8139	5	14.9138	24.0469	7	4.5836	12.1784			
8081	2	21.9493	18.7150	5	11.3910	6.5632		8140	3*	15.5892	24.6898	5	5.2806	12.7889			
8082				5	13.7067	6.0533	8141	2*	15.7182	24.6626	4	5.4068	12.7562				
8083				3	13.7562	6.0617	8142	15	16.1724	24.5215	20	5.5554	12.5989				
8084	22§	24.4212	18.7791	22§	13.8654	6.5271	8143	2*	16.8402	24.0504	4	6.5042	12.1006				
8085	35§	24.5171	18.8743	34§	13.9673	6.6191	8144	2*	17.4918	24.7568	4	7.1848	12.7819				
8086	2	14.5709	19.7624	6	4.0645	7.9075	8145	3*	17.9403	24.3475	5	7.6143	12.3535				
8087	9	14.8135	19.2363	16	4.2852	7.3738	8146				3†	8.2047	12.5612				
8088				4	6.5360	7.5722	8147	11	18.6595	24.1287	15	8.3240	12.1058				
8089	4	17.7098	19.9743	7	7.2076	7.9843	8148	3*	18.8778	24.1702	4	8.5457	12.1396				
8090	15	22.6470	19.8925	20§	12.1366	7.7113	8149	25	23.2103	24.6060	23§	12.8908	12.4005				
8091				3	12.3833	7.5385	8150	4	15.0889	25.0308	8	4.7970	13.1536				
8092	2	14.1143	20.3698	4	3.6348	8.5378	8151	4*	15.9652	25.4372	9	5.6846	13.5212				
8093	4	14.6608	20.0630	14	4.1669	8.2059	8152	8	17.3690	25.3408	12	7.0843	13.3700				
8094	46§	16.7690	20.4308	57§	6.2854	8.4886	8153	18§	18.5193	25.3588	23§	8.2358	13.3415				
8095	2	17.3925	20.9448	4	6.9291	8.9705	8154	24§	18.8616	25.1372	27§	8.5682	13.1042				
8096	4	17.8506	20.2765	8	7.3620	8.2884	8155	7	20.5525	25.2383	12	10.2643	13.1395				
8097				4	8.1365	8.3290	8156	10	21.1083	25.2257	18	10.8160	13.1023				
8098	4	18.6113	20.9073	6	8.1472	8.8882	8157	23§	21.6817	25.4292	27§	11.3999	13.2844				
8099	2	19.0984	20.2546	4†	8.6049	8.2147	8158	8	22.6848	25.3404	15	12.3964	13.1532				
8100	28§	19.4109	20.1077	37§	8.9147	8.0591	8159	32§	23.1110	25.4127	30§	12.8242	13.2075				
8101	2*	21.7022	21.0284	3	11.2391	8.8886	8160	4†	23.8331	25.3036	13	13.5422	13.0688				
8102	2*	23.3114	20.7561	5	12.8375	8.5483									69 1044	9.0	
8103	15	23.4023	20.5378	19§	12.9185	8.3285			49§	25.2867	22.8650						
8104	28§	14.0812	21.4240	31§	3.6412	9.5900			76§	26.3036	26.4551						
8105	4	14.6801	21.1033	6	4.2273	9.2418											
8106	5	15.6811	21.5524	9	5.2485	9.6513											
8107	18§	15.8519	21.5551	25§	5.4196	9.6468											
8108	6	19.7107	21.6435	8	9.2753	9.5795											
8109	3*	20.9087	21.4969	4	10.4653	9.3857	69 1040	9.0									
8110	39§	21.6853	21.6096	52§	11.2459	9.4674											
8111	2*	21.8310	21.5882	4	11.3935	9.4373											
8112	21§	14.5817	21.9336	26§	4.1637	10.0797											
8113	4	14.6186	22.0158	9	4.2021	10.1588			8161	6	8.6071	13.9663	12	19.4163	1.9908	68 1070	9.3
8114	4	14.8552	22.4782	8	4.4583	10.6109			8162	8	3.2763	14.6458	13	14.0642	2.4436		
8115				3†	4.9628	10.5139			8163	4	4.1651	14.6792	6	14.9496	2.5150		
8116	52§	15.8691	22.3567	63§	5.4655	10.4499	69 1035	8.5	8164	3	4.4619	14.9513	6	15.2347	2.8006		
8117	14	16.5801	22.0935	20§	6.1664	10.1558			8165	12	5.2485	14.9848	17	16.0173	2.8660		
8118				3	6.5719	10.1385			8166	8	5.3525	14.8050	13	16.1312	2.6939		
8119	4	17.2293	22.1574	3	6.8164	10.1958			8167	4	7.3425	14.5540	7	18.1313	2.5260		
8120	6	17.4768	22.6433	9	7.0838	10.6689			8168	9	8.3395	14.2434	17	19.1361	2.2546		
8121	2*	17.7404	22.9665	6	7.3623	10.9795			8169	5	9.9735	14.4236	10	20.7638	2.5038		
8122	10	19.1254	22.5316	15	8.7257	10.4893			8170	26§	10.3654	14.8856	43§	21.1373	2.9838		
8123	6	19.6187	23.0490	9	9.2380	10.9873			8171	26§	13.0472	14.4397	54§	23.8345	2.6505		
8124	3*	20.1497	22.1735	5	9.7358	10.0903			8172				5	14.0742	3.8237		
8125	6	20.7316	22.4515	8	10.3285	10.3474			8173	4*	3.6655	15.6195	6	14.4124	3.4357		
8126	3*	21.4663	22.7752	8	11.0747	10.6395			8174				4	14.4447	3.5565		
8127	3†	23.3409	22.2345	7	12.9270	10.0218			8175				6	15.0895	3.8136		
8128	2*	14.4735	23.2698	6*	4.1079	11.4200			8176				4	16.5087	3.3429		
8129	4	15.2047	23.8111	6	4.8617	11.9285			8177	10	7.5904	15.5360	17	18.3354	3.5178		
8130	12	15.5810	23.0914	17	5.2054	11.1938											

## ZONE + 69°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
No.							No.						
Mag.							Mag.						

R.A. 19 <sup>h</sup> 20 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.													
Centre R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3271. 1896, Oct. 9.							Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1280. 1893, July 9.						
8178	5	9°2842	15°0108	9	20°0498	3°0577	8236	7	4°3834	21°9658	12	14°8631	9°8048
8179	7	9°3797	15°1647	15	20°1389	3°2192	8237	6*	4°8175	21°7248	7	15°3037	9°5809
8180	5	9°7745	15°1700	8	20°5352	3°2431	8238	6	6°2882	21°7197	9	16°7744	9°6407
8181	4	5°3317	16°8322	8	16°0250	4°7175	8239	4†	6°5497	21°6354	6	17°0368	9°5649
8182	18§	5°7050	16°9838	24§	16°3925	4°8819	8240	17	6°5912	21°1641	22§	17°1031	9°0964
8183	10	5°9418	16°7190	15§	16°6397	4°6295	8241	19§	6°7741	21°5673	22§	17°2655	9°5083
8184	18§	6°3312	16°6579	24§	17°0318	4°5834	8242	13	7°6523	21°8677	18	18°1334	9°8477
8185	4*	6°8905	16°6683	8	17°5885	4°6200	8243	7	7°8203	21°3363	12	18°3215	9°3212
8186	2*	7°0295	16°4694	6	17°7345	4°4261	8244	29§	8°5918	21°1452	40§	19°1023	9°1631
8187	7	7°4026	16°5849	10	18°1054	4°5574	8245	3*	9°1750	21°1901	5	19°6822	9°2312
8188	10	9°8399	16°4319	16	20°5446	4°5066	8246	19§	9°7423	21°1160	24§	20°2518	9°1813
8189	5	11°1295	16°3855	17	21°8346	4°5141	8247				4	20°3554	9°0775
8190	5	11°2389	16°1393	8	21°9569	4°2707	8248	3*	11°7625	21°3852	5	22°2603	9°5367
8191	3	12°0303	15°8859	6	22°7582	4°0564	8249				4†	14°6854	10°5326
8192	3*	12°0868	16°0326	7*	22°8072	4°1998	8250	39§	4°4502	22°7332	40§	14°8948	10°5717
8193	18§	12°3076	16°0575	29§	23°0255	4°2381	8251	6	5°9171	22°3148	12	16°3766	10°2191
8194	10	12°5315	16°2252	22	23°2424	4°4128	8252	3	6°8873	22°5455	5	17°3392	10°4892
8195				4	14°4257	5°1500	8253	38§	7°0917	23°0470	47§	17°5231	10°9995
8196	21§	3°8890	17°3223	24§	14°5624	5°1457	8254				4	19°1245	10°5810
8197	6	4°9408	17°8954	8	15°5896	5°7602	8255	3*	8°9875	22°3692	6	19°4422	10°4048
8198	12	6°8651	17°8151	17§	17°5159	5°7619	8256				6	19°8231	10°2816
8199	6	7°1759	17°5452	9	17°8367	5°5065	8257	10	9°6570	22°3322	11	20°1139	10°3925
8200	5	8°7106	17°4252	9	19°3758	5°4502	8258	27§	10°3676	22°8753	35§	20°8011	10°9650
8201	4	9°2393	17°7867	6	19°8886	5°8364	8259				8	23°4396	10°8477
8202	5	10°0732	17°7211	10	20°7243	5°8014	8260				5	14°0689	11°6402
8203	4	11°7297	17°1501	9†	22°4041	5°3020	8261	3*	6°7375	23°0856	6*	17°1647	11°0215
8204	16	12°0933	17°0338	27§	22°7738	5°1997	8262				5	17°4232	11°1620
8205	3*	13°1145	17°6448	6*	23°7672	5°8515	8263	17	7°1856	23°9575	22§	17°5770	11°9130
8206	8	13°6459	17°3849	18	24°3082	5°6195	8264	6	8°2405	23°6934	10	18°6393	11°6920
8207	4	5°6387	19°0645	5	16°2394	6°9603	8265	19§	8°9200	23°6550	24§	19°3208	11°6832
8208	9	6°1706	18°6472	14	16°7853	6°5655	8266	3*	9°0105	23°7259	6	19°4102	11°7599
8209	2*	6°5280	18°4407	4	17°1520	6°3724	8267	6	10°9940	23°5770	10	21°3942	11°6949
8210	11	8°4807	18°8341	17§	19°0864	6°8497	8268	4	12°4266	23°4301	7	22°8366	11°6102
8211	7	11°0364	17°9053	13	21°6790	6°0315	8269				3	22°8435	11°4329
8212	10	11°8109	18°3490	17	22°4347	6°5053	8270	19	13°4199	23°0055	23§	23°8435	11°2257
8213	2†	11°9247	18°2334	5†	22°5527	6°3914	8271	4	5°5513	24°5204	8	15°9181	12°4055
8214	11	6°1913	19°3192	16	16°7797	7°2371	8272	4†	6°8919	24°6869	8	17°2531	12°6286
8215	6	7°0598	19°6872	9	17°6324	7°6421	8273	4*	9°7955	24°5807	8	20°1575	12°6424
8216	3*	7°4430	19°6637	4	18°0183	7°6338	8274	36§	9°8118	24°1732	43§	20°1898	12°2369
8217	6	8°1087	19°1546	11	18°7030	7°1512	8275	7	10°0497	24°2252	9	20°4256	12°3000
8218	15	8°1706	19°3224	19	18°7583	7°3215	8276	3*	11°1949	24°0657	5†	21°5768	12°1907
8219	3	9°7609	18°9555	9	20°3634	7°0255	8277	9	13°8817	23°9853	13	24°2650	12°2228
8220	21	4°3539	20°2582	25§	14°9039	8°0990	8278				11	14°9903	13°3870
8221				4	15°3646	8°2594	8279	12	6°1838	25°7567	18§	16°4969	13°6690
8222				4	16°5224	8°8608	8280	4*	7°7500	25°1272	8	18°0860	13°1077
8223	7	6°6799	20°4470	9	17°2224	8°3867	8281	10	9°4593	25°5794	17	19°7781	13°6300
8224	11	6°7783	20°2460	14	17°3268	8°1892	8282	19	11°0735	25°8250	20	21°3819	13°9430
8225	26§	7°9628	20°0253	35§	18°5189	8°0183	8283	5	11°1896	25°3760	10	21°5149	13°5009
8226	3	8°2710	20°2660	7	18°8156	8°2699	8284				6	21°6203	13°7054
8227	4	9°4014	20°7276	9	19°9267	8°7800	8285				4	22°9550	13°2364
8228	19§	10°4138	20°6662	23§	20°9418	8°7597	8286	7	13°4609	25°4369	10	23°7836	13°6591
8229	7	10°5051	20°1368	14	21°0525	8°2368							
8230	21§	10°7701	20°4853	28§	21°3030	8°5958		52§	5°7601	26°2264			
8231	4†	10°8997	20°2771	6	21°4404	8°3928							
8232	6	11°4902	19°9830	18§	22°0425	8°1228							
8233	33§	12°6103	20°0068	48§	23°1646	8°1969							
8234	4*	3°5758	21°9192	9	14°0565	9°7237							
8235	7	3°6761	21°4548	11	14°1736	9°2623							

69 1046	9°5												
69 1048	9°0												
69 1044	9°0												



## ZONE + 69°.

R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 40 <sup>m</sup>							R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 40 <sup>m</sup> —contd.										
Centre		R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3271. 1896, Oct. 9.			R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.		Centre		R.A. 19 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 3271. 1896, Oct. 9.			R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.					
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .				
							B. D.										
							No.	Mag.									
							B. D.										
							No.	Mag.									
8287	5	14°0043	14°2435	3*	3°2726	2°5140	68 1073	9.4	8346	5	16°8043	21°9333	4	6°3753	10°0847	69 1055	9.1
8288	20§	16°2721	14°5759	18	5°5540	2°7574			8347	5	16°9103	22°3333	5	6°4985	10°4816		
8289	8	16°4388	14°8159	7	5°7281	2°9920			8348	10	17°7995	22°6129	7	7°3960	10°7260		
8290	6	16°5025	13°9943	5*	5°7611	2°1667			8349	19	18°8735	22°8450	14	8°4785	10°9144		
8291	5	17°7200	14°5348	3*	6°9995	2°6615			8350	30§	19°8882	22°4848	25§	9°4795	10°5179		
8292	5	20°1184	14°5618	4*	9°3941	2°5904			8351	8	20°4512	22°3552	6	10°0353	10°3631		
8293	22§	23°7892	14°1577	22§	13°0470	2°0421			8352	6	21°3967	22°3394	3	10°9813	10°3127		
8294	6	23°8232	14°6293	5	13°0996	2°5121			8353	4	21°7000	22°2256	3	11°2800	10°1869		
8295	5	24°4265	15°0817	4	13°7212	2°9405			8354	8	16°0740	22°8256	6	5°6827	11°0088		
8296	8	18°8166	15°4347	7	8°1263	3°5139			8355	24§	17°0505	23°1340	19§	6°6713	11°2753		
8297	3	20°9076	15°5459	3*	10°2244	3°5446	8356	4	17°4000	23°4550	7	7°0308	11°5826				
8298	8	21°4118	15°2643	7	10°7154	3°2423	8357	5	23°7743	23°3252	5	13°3948	11°2031				
8299	20§	23°5863	15°7759	17§	12°9083	3°6677	8358	6	14°1741	23°9645	5	3°8281	12°2202				
8300	15§	14°7280	15°8909	15	4°0624	4°1324	8359	10	14°4100	24°0450	10	4°0675	12°2922				
8301	18	20°8148	16°7392	17	10°1760	4°7377	8360	6	16°8645	24°6476	5	6°5431	12°7963				
8302	6	21°0375	16°8109	5	10°4029	4°8028	8361	36§	17°7100	24°6217	26§	7°3869	12°7369				
8303	37§	22°6993	16°8057	26§	12°0630	4°7329	69 1061	9.0	8362	8	15°5595	25°7326	8	5°2823	13°9313		
8304	3†	23°2513	16°6224	3	12°6081	4°5264			8363	20	18°8235	25°7542	13	8°5478	13°8252		
8305	14	23°9833	16°6736	11	13°3396	4°5475			8364	4	20°1215	25°0955	5†	9°8189	13°1156		
8306	4	15°1469	17°1342	4†	4°5291	5°3572			8365	20	21°1105	25°9640	13	10°8388	13°9444		
8307	60§	15°4765	17°6433	43§	4°8800	5°8532			8366	23	22°1511	25°3654	17§	11°8551	13°3060		
8308	4	16°2908	17°1807	3*	5°6750	5°3615				63§	25°7318	22°5248					
8309	11	20°2790	17°0450	9	9°6553	5°0652				55§	24°8855	25°2132					
8310	3	21°4198	17°6187	3	10°8161	5°5947				70§	18°9049	26°3968					
8311	5	24°2983	18°0250	3	13°7088	5°8864				47§	20°8523	26°6809					
8312	7	14°0605	17°9366	5	3°4783	6°2032			R.A. 19 <sup>h</sup> 40 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup>								
8313	7	14°3252	17°9240	5†	3°7404	6°1769	Centre	R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2291. 1894, Oct. 16.			R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.						
8314	12	14°7428	18°4279	10	4°1782	6°6659	8367	4†	6°3256	14°0899	4	17°0178	1°9678	68 1078	8.5		
8315	5	16°2785	18°0563	4	5°6964	6°2349	8368	5	5°5549	14°7195	8	16°2203	2°5668				
8316	4	17°0552	18°6339	3†	6°4983	6°7795	8369	29§	7°0168	15°3447	36§	17°6602	3°2512				
8317	14	18°5100	18°2055	12§	7°9331	6°2952	8370	19§*	7°9255	16°0316	20§	18°5392	3°9713				
8318	4	18°5446	18°0535	4†	7°9617	6°1406	8371				7	18°6059	3°8835				
8319	4*	20°2602	18°8439	3	9°7037	6°8632	8372	99§	8°0662	15°1641	94§	18°7166	3°1070				
8320	3	20°4322	18°5597	3	9°8703	6°5740	8373	19	9°7072	15°1968	25	20°3534	3°2045	69 1067	8.3		
8321	13	22°8500	18°4229	10	12°2784	6°3403	8374	24§	7°1274	17°0470	23§	17°7061	4°9538				
8322	10	17°8715	19°2355	8	7°3372	7°3486	8375	46§	7°1336	17°0198	42§	17°7088	4°9256				
8323	7	19°4261	19°4743	7	8°8974	7°5261	8376	6	9°7741	16°0501	7	20°3845	4°0597				
8324	7	15°7278	20°9173	6	5°2593	9°1135	8377	3	13°8738	16°2797	3*	24°4687	4°4529				
8325	14	16°2740	20°7862	11	5°8011	8°9638	8378	3†	4°8476	17°8532	5	15°3920	5°6709				
8326	110§	16°6249	19°8323	100§	6°1116	8°0135	69 1053	5.0	8379	21	5°0875	17°2675	21§	15°6585	5°0950	69 1064	9.5
8327	13	18°3694	20°1052	12	7°8663	8°1959			8380	7	5°7196	17°2522	10	16°2883	5°1044		
8328	24§	18°5391	20°2362	23§	8°0412	8°3247			8381	18	5°9256	18°1257	18§	16°4590	5°9828		
8329	42§	18°7306	20°8187	38§	8°2573	8°8992			8382	4	8°3520	17°4061	4	18°9131	5°3609		
8330	44§	20°0043	20°9240	43§	9°5330	8°9533			8383	5	9°0722	17°7969	6	19°6172	5°7777		
8331	11	21°1003	20°3065	7	10°6045	8°2934			8384	6	13°4149	17°3173	7	23°9741	5°4668		
8332	5	21°2903	20°6296	4	10°8065	8°6062			8385	7	5°8910	18°9943	9	16°3903	6°8517		
8333	40§	21°7006	20°0847	39§	11°1967	8°0452			8386	2*	9°4920	18°2528	4	20°0190	6°2493		
8334	6	21°7600	20°8658	5	11°2846	8°8227			8387	9	11°0949	18°1072	15	21°6282	6°1668		
8335	15	22°4495	20°1686	8	11°9478	8°1006			8388	3	13°5607	18°1663	4*	24°0875	6°3216		
8336	10	16°3499	21°1748	9	5°8915	9°3457	69 1054	9.5	8389	25§	4°7281	19°8808	23§	15°1962	7°6928		
8337	8	16°4922	21°7774	7	6°0594	9°9426			8390	5	6°5218	19°9803	7	16°9845	7°8591		
8338	9	17°0664	21°5169	7	6°6210	9°6605											
8339	29§	17°3698	21°6252	26§	6°9295	9°7561											
8340	2†	19°8592	21°1961	3	9°3987	9°2271											
8341	23§	21°8843	21°7971	16§	11°4450	9°7513											
8342	28§	22°4619	21°2440	20§	12°0023	9°1749											
8343	4	22°5593	21°2505	3	12°1029	9°1821											
8344				3	13°5205	9°0250											
8345	23	24°0155	21°4476	16§	13°5634	9°3171											

No. 8326.  $\sigma$  Draconis.1 réseau interval represents very nearly  $5' = 55^{\circ}8$  of R.A. at Dec. + 69°, and  $58^{\circ}5$  at Dec. + 70°.

## ZONE + 69°.

R.A. 19 <sup>h</sup> 40 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup>									
Centre R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2291. 1894, Oct. 16.				R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.				Centre R.A. 19 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2291. 1894, Oct. 16.				R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No. Mag.								No. Mag.		
8391	23§	9°16'14	19°6'546	22§	19°6'344	7°6'374	69°1068	m.	8445	5	14°8'505	14°3'149					
8392	4	13°6'505	19°5'289	5	24°12'38	7°6'862			8446	4	14°8'880	14°2'284					
8393	25	4°3'144	20°4'961	22§	14°7'585	8°2'902			8447	9	23°1'144	15°2'722	10*	12°3'931	3°0'336		
8394	4*	4°8'451	20°5'653	5	15°2'862	8°3'793			8448	86§	24°3'557	15°7'965	68§	13°6'555	3°5'026	69°1086	
8395	3*	6°1'917	20°14'23	4	16°6'453	8°0'080			8449	17	16°8'141	16°0'931	17	6°1'343	4°1'174		
8396	4	6°7'527	20°6'944	6	17°1'864	8°5'843			8450	10	18°5'653	16°2'281	9	7°8'897	4°1'754		
8397	10	9°9'748	20°2'055	12	20°4'256	8°2'195			8451	5	20°2'078	16°6'446	5	9°5'490	4°5'250		
8398	4	11°12'46	20°8'201	4	21°5'510	8°8'773			8452	4	20°6'714	16°2'784					
8399	3	12°12'53	19°9'334						8453	4*	21°3'631	16°5'281	4	10°6'963	4°3'584		
8400	3	12°2'386	20°3'931	3*	22°6'833	8°4'951			8454	4	22°7'875	16°5'483	5	12°12'30	4°3'178		
8401	23§	12°9'850	20°5'793	24§	23°4'181	8°7'093	69°1071	9·1	8455	7	23°3'502	16°7'138	9	12°6'925	4°4'635		
8402	5	13°3'428	20°0'888	6	23°7'966	8°2'349			8456	22§	15°6'028	17°9'247	25§	4°9'993	5°9'950	69°1073	
8403	5*	3°8'232	21°8'580	7	14°2'133	9°6'336			8457	4	15°8'640	17°7'059	4*	5°2'511	5°7'650	9·4	
8404	9	3°9'373	22°12'46	13	14°3'167	9°9'027			8458	4	16°1'959	17°5'790					
8405				5	14°4'002	9°5'166			8459	6	16°5'150	17°8'395	5*	5°9'081	5°8'729		
8406	4*	5°9'740	21°9'520	7	16°3'608	9°8'036			8460	10	19°4'274	17°6'912	11	8°8'120	5°6'028	69°1078	
8407	17	6°5'097	22°0'428	17§	16°8'927	9°9'216			8461	18	20°7'891	17°5'945	18	10°1'699	5°4'477	69°1080	
8408	7	6°6'455	21°12'52	8	17°0'642	9°0'118			8462	5	22°6'934	17°1'753	6	12°0'538	4°9'490	9·5	
8409	3*	12°4'250	21°5'634	3*	22°8'195	9°6'713			8463	9	14°1'448	18°4'457	9	3°5'693	6°5'782		
8410	3*	12°5'552	21°6'514	3*	22°9'472	9°7'637			8464	18	14°3'644	18°2'790	21	3°7'757	6°4'042	69°1072	
8411	5	13°0'445	21°3'216	5	23°4'504	9°4'543			8465	4	17°2'690	18°8'132	5	6°7'023	6°8'142	9·5	
8412	3*	13°2'311	21°4'846	4*	23°6'320	9°6'260			8466	20§	19°5'350	18°1'598	21§	8°9'377	6°0'682	69°1079	
8413	5	13°6'390	21°5'123	5	24°0'380	9°6'660			8467	18	22°9'169	18°3'869	13	12°3'290	6°1'505	9·5	
8414	7	13°8'133	20°9'175	8	24°2'325	9°0'784			8468	4	14°8'851	19°3'188	4*	4°3'418	7°4'201		
8415	46§	4°9'540	22°5'049	40§	15°3'188	10°3'255	69°1065	8·0	8469	4*	17°12'54	19°4'590	4*	6°5'834	7°4'653		
8416	54§	10°17'42	22°0'576	50§	20°5'532	10°0'784	69°1069	8·0	8470	6	22°2'081	19°7'041	6	11°6'736	7°4'980		
8417	25§	10°7'982	22°4'120	20§	21°16'24	10°4'573			8471	5	15°3'148	20°18'58	4*	4°8'109	8°2'665		
8418	4*	12°1'663	22°11'04	5	22°5'408	10°2'077			8472	4	16°6'242	20°4'265	4*	6°12'31	8°4'540		
8419	15	12°4'265	22°3'142	15	22°7'962	10°4'234			8473	22§	16°6'685	20°8'724	25§	6°18'97	8°9'957	69°1074	
8420	3†	12°4'565	22°2'610	4	22°8'251	10°3'712			8474	4	15°3'902	21°7'305	4*	4°9'486	9°8'070	9·5	
8421	9	13°0'150	22°3'479	13	23°3'827	10°4'776			8475	7	19°4'018	21°3'566	6	8°9'405	9°2'669		
8422	4	13°7'908	22°4'507	5	24°1'527	10°6'122			8476	8	19°5'075	21°5'876	9	9°0'543	9°4'918		
8423	4*	3°7'748	23°5'146	4	14°1'001	11°2'891			8477	34§	22°9'701	21°1'535	26§	12°4'977	8°9'148	69°1083	
8424	4*	3°8'239	23°8'902	8	14°1'349	11°6'664			8478	6*	24°3'334	21°12'19	7	13°8'571	8°8'260	9·3	
8425	40§	4°3'006	24°1'502	27§	14°6'044	11°9'428	69°1063	9·5	8479	12	14°6'052	22°11'17	10	4°17'95	10°2'209		
8426	5	5°12'31	23°8'555	7	15°4'354	11°6'798			8480	5*	16°8'859	22°7'992	4	6°4'862	10°8'120		
8427	4*	6°02'04	23°5'901	5	16°3'430	11°4'483			8481	26§	14°5'098	23°8'306	24§	4°15'69	11°9'441		
8428				3	17°16'03	11°15'53			8482	33§	20°7'916	23°9'863	26§	10°4'387	11°8'343	69°1081	
8429	3*	9°22'52	23°7'832	4	19°5'385	11°7'671			8483	13	21°9'250	23°1'998	16	11°5'376	11°0'025	69°1082	
8430	3*	9°22'45	23°6'006	4	19°5'436	11°5'871			8484	3*	15°8'949	24°2'068	4*	5°5'591	12°2'585	9·5	
8431				4	20°3'491	11°3'177			8485	28§	17°1'663	24°6'120	25§	6°8'433	12°6'140	69°1075	
8432	3*	11°06'29	23°8'665	5	21°3'679	11°9'233			8486	8*	20°2'354	24°6'781	6	9°9'123	12°5'531		
8433	3	11°7'359	23°6'845	5	22°0'500	11°7'648			8487	5*	17°7'162	25°2'233	7†	7°42'07	13°2'021		
8434	15	13°10'96	23°5'108	17§	23°4'308	11°6'428			8488	10	17°7'756	25°7'736	13	7°5'003	13°7'471		
8435	6	6°7'732	24°2'932	8	17°0'679	12°18'10			8489	8	18°2'680	25°3'315	10	7°9'755	13°2'845		
8436	4*	7°08'54	24°8'301	5	17°3'584	12°7'282			8490	32	18°3'749	25°6'470	27§	8°09'49	13°5'949	69°1076	
8437	3*	13°02'39	24°19'51	5	23°3'154	12°3'262			8491	13	18°4'552	25°3'137	15	8°16'15	13°2'624	69°1077	
8438	3*	13°62'52	24°34'11	5	23°9'133	12°4'955			8492	5*	18°7'954	25°2'602	4	8°49'96	13°19'65	9·4	
8439	36§	4°3'191	25°2'529	26§	14°5'801	13°0'440	69°1062	9·0									
8440	10	5°29'36	25°9'347	13	15°5'240	13°7'650	69°1066	9·4									
8441				4	15°9'698	13°0'975				61§	26°3'699	21°47'46				69°1090	
8442				4	21°6'727	13°4'837				67§	25°5'747	22°24'58				69°1088	
8443	2*	12°54'90	25°41'41	4†	22°7'935	13°5'284			R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup>								
8444	5*	13°44'49	25°64'26	7	23°68'31	13°7'883			Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2768. 1895, July 22.			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.		
	37§	1°48'43	17°04'35				69°1061	9·0	8493	29§	9°41'52	14°27'85	40§	20°25'09	2°27'82	68°1106	m.
	135§	12°47'20	26°16'67				69°1070	3·8	8494	14	5°23'93	15°21'28	16	16°03'95	3°03'85	68°1100	9·4

Plate 2291, B. D. 69° 1070. ε Draconis.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2768. 1895, July 22.				Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.				Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2768. 1895, July 22.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2307. 1894, Oct. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
8495	3	5.2525	15.2103	3*	16.0530	3.0378	°	8546	12	16.7800	20.3172	18	6.4256	8.3602	°
8496	15	6.8349	15.6026	16	17.6205	3.4945	"	8547	6	19.7885	21.5483	9	9.4840	9.4657	"
8497	26§	8.3602	15.6902	31§	19.1396	3.6453	69 1092 9.2	8548	6	15.3007	22.5225	8	5.0385	10.6258	
8498	5	5.4119	16.5965	5	16.1585	4.4340		8549	33§	19.5635	22.9988	43§	9.3190	10.9223	69 1096 8.8
8499	17§	7.4565	16.8757	19	18.1905	4.7948		8550				4	12.2081	10.2238	
8500	5	10.6172	16.5664	5*	21.3585	4.6138		8551	3	14.5882	23.6211	4	4.3771	11.7540	
8501	18	7.3085	17.3641	22§	18.0223	5.2753		8552	6	19.5069	23.8818	13	9.2987	11.8086	
8502	4	13.9583	17.9383	3*	24.6412	6.1183		8553	18	20.1651	24.7909	22	9.9973	12.6868	
8503	10	6.7629	18.9695	13	17.4135	6.8584		8554				4	12.4821	12.5267	
8504	3	13.4845	18.5249	3*	24.1484	6.6868		8555	6	14.1819	25.4446	9	4.0452	13.5951	
8505	3	12.2811	19.7260	4*	22.8959	7.8393		8556	3*	14.5820	25.0532	4	4.4316	13.1879	
8506	26§	7.5681	20.1781	27§	18.1676	8.0975		8557	3*	15.3984	25.4766	8	5.2626	13.5782	
8507	4	8.6437	20.0634	4	19.2465	8.0270		8558	21§	16.7598	25.3745	22§	6.6193	13.4158	69 1094 9.5
8508	40§	4.6181	22.0950	41§	15.1420	9.8957	69 1088 8.5	8559				5	9.7516	13.4481	
8509	4	4.9933	21.5140	5	15.5385	9.3283		8560				5	11.4218	13.0628	
8510	34§	5.3501	21.2634	38§	15.9073	9.0920	69 1090 8.2								
8511	10	6.1922	21.0345	8	16.7585	8.8963	69 1091 9.5								
8512	5	10.0140	23.9591	5	20.4559	11.9763		82§	26.6173	16.5598				69 1099 7.7	
8513	8	10.7647	23.2911	7*	21.2349	11.3378		78§	26.3455	24.1550				69 1100 8.6	
8514	3	13.5320	23.0120	3*	24.0099	11.1682									
8515	3	13.9061	23.2312	3	24.3760	11.4047									
8516				2	21.6260	12.1423									
8517	10	5.5921	25.8585	10	15.9633	13.6953									
8518	3	6.4026	25.2266	6	16.7973	13.0985									
8519	4	7.3825	25.8847	6	17.7505	13.7946									
	72§	2.8720	15.7687				69 1086 7.8								

R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 20 <sup>m</sup>								R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 20 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2768. 1895, July 22.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2307. 1894, Oct. 25.				Centre R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2328. 1894, Nov. 6.				Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2307. 1894, Oct. 25.			
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
8520	23§	15.9256	14.5864	38	5.3250	2.6733	68 IIII m.	8561	10	3.7529	14.9748	6	14.5486	2.7385	"
8521	13	22.0410	14.2291	19	11.4234	2.0560		8562	23§	4.0692	14.1063	20	14.8956	1.8856	
8522	21§	22.4635	14.6896	28§	11.8636	2.4980	68 IIII7 9.3	8563	15	4.1618	14.4339	7	14.9743	2.2160	
8523	4*	14.9362	15.3287	4*	4.3692	3.4629		8564	27§	7.7005	14.9058	29§	18.4948	2.8233	
8524	11	16.5191	15.6068	17	5.9653	3.6642		8565	2	13.9678	14.7139				
8525	4	20.6165	15.4859	5*	10.0548	3.3719		8566	20§	8.3225	15.0203	19	19.1107	2.9595	
8526	4	21.6376	15.9928	6	11.0975	3.8346		8567	4	13.9543	15.9085				
8527	9	14.3047	16.3054	11	3.7818	4.4590		8568	19	3.5790	16.6320	14	14.3069	4.3878	
8528	12	17.9241	16.4673	21	7.4066	4.4653		8569	83§	5.3524	16.3628	86§	16.0922	4.1868	69 1099 7.7
8529	4	19.9374	16.0964	6	9.3994	4.0090		8570	15	9.4380	16.3440	7	20.1736	4.3269	
8530	3	24.0742	16.3013	6	13.5429	4.0412		8571	7	12.2004	16.3395	3*	22.9326	4.4290	
8531	6	15.5342	17.5090	8	5.0598	5.6084		8572	22§	13.0915	16.0328	16	23.8351	4.1552	
8532	4	16.8403	17.8196	6	6.3782	5.8650		8573	8	5.4956	17.1158	6	16.2060	4.9465	
8533	5	17.8477	17.9180	8	7.3885	5.9201		8574	17	7.1350	17.2976	16	17.8356	5.1906	
8534				5†	10.7626	5.7823		8575	19	7.8178	17.2272	18	18.5222	5.1492	
8535	4	14.6228	18.3367	5*	4.1877	6.4756		8576	3	11.5291	17.3628				
8536	4	15.6241	18.3350	7	5.1841	6.4324		8577	3	13.6146	17.6118				
8537	7	17.3958	18.7952	10	6.9780	6.8149		8578	32§	4.1130	18.3660	33§	14.7732	6.1451	69 1097 9.2
8538	9	20.0492	18.1369	14	9.5994	6.0448		8579	16	4.5897	18.2888	12	15.2518	6.0850	
8539	26§	18.7926	19.9288	28§	8.4180	7.8860	69 1095 9.5	8580	26§	4.9313	18.0793	28§	15.6026	5.8855	
8540				5	9.7524	7.4895		8581	21§	7.8010	18.6831	20	18.4483	6.5988	
8541	10	20.3321	19.5420	14	9.9410	7.4334		8582	22§	11.3871	18.7008	27	22.0310	6.7577	
8542	3*	22.6830	20.1882	6	12.3163	7.9850		8583	40§	13.3215	18.2669	52§	23.9830	6.3982	69 1109 9.4
8543				5	13.2253	7.1290		8584	5	11.3243	19.9633	3*	21.9189	8.0170	
8544	4*	15.1462	20.0387	4*	4.7802	8.1526		8585	8	11.4055	19.8469	7*	22.0051	7.9044	
8545	10	15.2150	20.6072	16	4.8729	8.7200	69 1093 9.5	8586	6	11.7202	19.6307	3*	22.3299	7.6987	
								8587	20§	12.0779	19.1361	21	22.7043	7.2190	
								8588	3	12.4625	19.1212				
								8589	13	6.4389	20.4812	11	17.0173	8.3462	
								8590	2	8.6248	20.1181				
								8591	10	10.4212	20.5158	7	20.9983	8.5355	
								8592	4	12.2346	20.8443				
								8593	11	13.7701	20.4064	8	24.3494	8.5553	
								8594	2*	5.1871	21.4444	4*	15.7297	9.2595	
								8595	17	7.9873	21.6620	15	18.5170	9.5858	69 1103 9.5

Plates 2768, 2743. There is no star on the plates whose position corresponds to B.D. 69° 1089. Mag. 9.5.

1 réseau interval represents very nearly 5' = 55.8° of R.A. at Dec. + 69°, and 58.5° at Dec. + 70°.

ZONE + 69°.

R.A. 20 <sup>h</sup> 20 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 40 <sup>m</sup> —contd.							
Centre		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°		Plate 2328. 1894, Nov. 6.		Centre		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Plate 2294. 1894, Oct. 16.	
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
8596	11	9.6517	21.7183	11	20.1820	9.7100	°	8649	7	18.0937	20.9360	7	7.6108	8.9265	°
8597	7	10.3351	21.6072	5	20.8683	9.6223		8650	3	18.1442	20.3727	4	7.6352	8.3633	
8598	30§	10.6100	21.0988	33§	21.1639	9.1202	69 1105	8651	4	19.1038	20.4061	5	8.5951	8.3591	
8599	4	4.1174	22.6343	6	14.6124	10.4086		8652	5	20.7378	20.5850	5	10.2332	8.4673	
8600	44§	5.9450	22.9440	45§	16.4278	10.7865	69 1101	8653	7*	24.4819	20.4009	8	13.9667	8.1304	
8601	8	6.7755	22.7961	5	17.2647	10.6747		8654	13	17.0742	21.7256	11	6.6227	9.7625	
8602	8	11.1515	22.8183	7	21.6353	10.8667		8655	4*	19.1934	21.6112	5	8.7326	9.5601	
8603	61§	5.6991	23.9538	56§	16.1455	11.7868	69 1100	8656	28§	20.0143	21.5466	26§	9.5530	9.4612	
8604	2*	6.7380	23.8446	4†	17.1872	11.7222		8657				4	9.7719	9.5726	
8605	4	11.3188	23.5881	3*	21.7722	11.6410		8658	4*	20.4208	21.2222	4	9.9494	9.1171	
8606	9	12.4383	23.9133	8	22.8786	12.0093	69 1106	8659	4	20.5620	21.7618	5	10.1092	9.6506	
8607	2*	3.7462	25.3880	4	14.1319	13.1484		8660	21	22.4021	21.9950	13§	11.9573	9.8087	
8608	42§	5.2764	25.4244	31§	15.6649	13.2420	69 1098	8661	20	23.3975	21.6721	14§	12.9377	9.4478	
8609	45§	12.4578	25.1506	48§	22.8525	13.2439	69 1107	8662				3	13.8619	9.2404	
R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 40 <sup>m</sup>								R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup>							
Centre		R.A. 20 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Plate 2328. 1894, Nov. 6.		Centre		R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Plate 2294. 1894, Oct. 16.	
8610	22§	15.7963	14.3502	22	5.0413	2.4453	68 1136	8649	7	18.0937	20.9360	7	7.6108	8.9265	°
8611	7	21.0023	14.6568	7	10.2594	2.5365		8650	3	18.1442	20.3727	4	7.6352	8.3633	
8612	10	21.4898	14.7462	8	10.7467	2.6052		8651	4	19.1038	20.4061	5	8.5951	8.3591	
8613	12	22.7574	14.4675					8652	5	20.7378	20.5850	5	10.2332	8.4673	
8614	9	23.7205	14.5488	5	12.9680	2.3169		8653	7*	24.4819	20.4009	8	13.9667	8.1304	
8615	11	23.7273	14.5691	6	12.9758	2.3360		8654	13	17.0742	21.7256	11	6.6227	9.7625	
8616	6	18.1563	15.5333	6	7.4487	3.5290		8655	4*	19.1934	21.6112	5	8.7326	9.5601	
8617	15	19.5841	15.3328	11	8.8653	3.2694		8656	28§	20.0143	21.5466	26§	9.5530	9.4612	
8618	28§	20.2825	15.4358	31§	9.5680	3.3441	68 1139	8657				4	9.7719	9.5726	
8619	9	21.5604	16.0313	8	10.8693	3.8843		8658	4*	20.4208	21.2222	4	9.9494	9.1171	
8620	11	21.7190	15.9060	9	11.0218	3.7535		8659	4	20.5620	21.7618	5	10.1092	9.6506	
8621	5	21.9888	15.2290	5	11.2629	3.0672		8660	21	22.4021	21.9950	13§	11.9573	9.8087	
8622	26§	16.5134	16.8126	33§	5.8599	4.8737	69 1111	8661	20	23.3975	21.6721	14§	12.9377	9.4478	
8623	5	18.2180	16.5298	4†	7.5491	4.5216		8662				3	13.8619	9.2404	
8624	21§	21.6112	16.9445	22§	10.9578	4.7945		8663	13	17.2493	22.2729	11§	6.8197	10.3016	
8625	3*	22.5747	16.3099	4*	11.8903	4.1203		8664	28§	21.9543	22.6420	22§	11.5358	10.4737	
8626	16	22.8936	16.3203	13	12.2139	4.1202		8665	3*	16.0632	23.5379	4	5.6886	11.6134	
8627	8	16.8823	17.7673	8	6.2663	5.8131		8666				4	10.6311	11.8862	
8628	44§	17.1265	17.9038	42§	6.5184	5.9403	69 1112	8667	20	21.0584	24.0308	16§	10.6956	11.8993	
8629	3	17.4774	17.0838					8668	4*	21.5229	24.0402	4	11.1637	11.8900	
8630	5*	17.9997	17.2972	6	7.3640	5.2970		8669	30§	22.8380	23.8516	20§	12.4718	11.6479	69 1118
8631	11	18.4491	17.5502	8	7.8244	5.5337		8670				4	12.7962	11.2226	9.4
8632	73§	19.2646	18.0205	60§	8.6578	5.9660	69 1114	8671	11	16.4603	24.3511	11	6.1214	12.4093	
8633	22§	20.3297	17.3498	22§	9.6926	5.2545		8672	8	16.6907	24.8251	9	6.3711	12.8736	
8634	8	22.9528	18.0769	7	12.3407	5.8727		8673	18	17.5564	24.2855	16§	7.2105	12.2972	
8635	8	14.5103	18.2698	5	3.9188	6.4135		8674				4	7.6429	12.8091	
8636	5*	20.2382	19.0347	4	9.6734	6.9424		8675				4	9.2164	12.5568	
8637	23§	20.9465	19.0260	23§	10.3785	6.9020	69 1117	8676				4†	10.1765	12.8128	
8638	3*	23.6817	18.2601	4*	13.0812	6.0222		8677				3	11.2123	12.3998	
8639	6	23.9255	18.6764	7	13.3408	6.4282		8678				4	13.9835	12.1548	
8640	8	15.9540	19.4084	9	5.4085	7.4930		8679	4*	15.5585	25.7416	5	5.2760	13.8327	
8641	10	19.1889	19.2997	10	8.6359	7.2507		8680	19	19.1228	25.6077	16§	8.8300	13.5539	69 1115
8642	4	19.8550	19.8484					8681				7	10.9486	13.9418	9.5
8643				4	9.3235	7.7701		8682				9	13.6428	13.1557	
8644	25§	20.9126	19.9351	3†	9.7686	7.1386		R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup>							
8645	8	21.6953	19.5643	22§	10.3834	7.8117		Centre		R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°		R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		Plate 2294. 1894, Oct. 16.	
8646	15	22.4805	19.2124	8	11.1514	7.4062		8683	3	8.3439	13.9695				
8647	8	14.7595	20.7575	11	11.9203	7.0283		8684	12	4.0698	14.2832	6	14.8613	2.0807	°
8648	38§	18.0670	20.9399	28§	7.5823	8.9312	69 1113	8685	31§	5.7940	14.2038	38§	16.5870	2.0787	68 1146
								8686	4	5.8560	14.9953	3*	16.6144	2.8701	9.2
								8687	3†	7.7391	14.9985				
								8688	4	8.8687	14.2039				
								8689	10	9.1826	14.6457	7	19.9553	2.6724	
								8690	6	9.1906	14.1657				
								8691	8	9.5812	14.9490	6	20.3392	2.9933	
								8692	14§	11.0863	14.8440	7	21.8467	2.9503	
								8693	20§	13.6599	14.9858	21	24.4134	3.2091	68 1158
								8694	7	4.7515	15.6769	6*	15.4819	3.5094	9.5
								8695	4	5.4407	15.6962	2*	16.1691	3.5562	
								8696	19§	6.3914	15.0170	22§	17.1512	2.9206	
								8697	20§	6.5747	15.8256	24§	17.2950	3.7359	

No. 8600. B. D.  $69^{\circ} 1101$ . The declination given in the B. D. appears to be about  $2'$  too large.

No. 8669. B. D.  $69^{\circ} 1118$ . The R. A. given in the B. D. appears to be about  $20^s$  too small and the declination about  $2'$  too large.

1 *réseau* interval represents very nearly  $5' = 55^{\text{s}}.8$  of R.A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{s}}.5$  at Dec.  $+ 70^{\circ}$ .



## ZONE + 69°.

R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 20 <sup>h</sup> 40 <sup>m</sup> to 20 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
Plate 3253. 1896, Sept. 23.			Plate 2294. 1894, Oct. 16.				Plate 3253. 1896, Sept. 23.			Plate 2294. 1894, Oct. 16.				
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	
							B. D.							
							No. Mag.							
							No. Mag.							
8698	3	6.6518	15.5332	2*	17.3862	3.4460	8757	5	6.0315	21.7338	5	16.4946	9.6123	
8699	6	8.2972	15.7980	5*	19.0207	3.7880	8758	9	6.2102	21.1241	6	16.6676	9.0133	
8700	5	10.8419	15.8247				8759	6	6.3272	21.5454	4	16.7945	9.4394	
8701	3	13.0103	15.9868				8760	4	6.7095	21.4751	2*	17.1822	9.3859	
8702	3	13.4110	15.8655				8761	6	8.1813	21.7181	4	18.6430	9.6921	
8703	2	3.7891	16.2176	2*	14.4954	4.0025	8762	31§	8.5376	21.6642	28*§	18.9992	9.6520	
8704	13	5.4804	16.8694	11	16.1567	4.7310	8763	3	11.4802	21.4130	3*	21.9522	9.5320	
8705	3	6.2376	16.9350	2*	16.9120	4.8283	8764	3†	13.3626	21.5167				
8706	15	6.7299	16.0550	9	17.4401	3.9713	8765	2	13.8832	21.2355				
8707	4	7.7786	16.3441	3†	18.4743	4.3052	8766				2†	14.1051	10.5663	
8708	16§	8.2246	16.2393	17	18.9241	4.2183	8767	19§	3.8318	22.2783	13§	14.2712	10.0608	
8709	8	11.1466	16.6840	5	21.8222	4.7943	8768	3	6.7343	22.1746	2*	17.1747	10.0845	
8710	4	13.0618	16.2558				8769	3*	8.2176	22.3270	2*	18.6512	10.3001	
8711	3*	4.0886	17.6268	2*	14.7295	5.4282	8770	6	12.1131	22.9160	4	22.5184	11.0631	
8712	41§	6.1690	17.5560	46§	16.8137	5.4480	8771	21	5.6647	23.9233	12	16.0315	11.7818	
8713	20§	6.8579	17.0819	21§	17.5233	4.9998	8772	26§	6.7900	23.2810	23§	17.1840	11.1913	
8714	15§	7.0210	17.7802	12	17.6544	5.7078	8773	3*	8.1982	23.9251	2*	18.5606	11.8980	
8715	4	7.8885	17.1353	3*	18.5472	5.0988	8774	4	8.3805	23.8847	4	18.7450	11.8667	
8716	3	9.0498	17.1667				8775	4*	8.4208	23.0176	4	18.8240	11.0010	
8717	3	9.8496	17.6335	2*	20.4892	5.6806	8776	21§	10.0900	23.9443	17§	20.4475	12.0000	
8718	72§	11.5808	17.3453	79§	22.2328	5.4720	8777	6	13.0018	23.6864	4*	23.3732	11.8729	
8719	9	12.7225	17.4403	5*	23.3656	5.6185	8778				3	14.2129	12.3015	
8720	4	4.9905	18.8755	4	15.5782	6.7120	8779	33§	6.5698	24.6950	25§	16.8981	12.5966	
8721	4	5.0898	18.9453	2*	15.6737	6.7850	8780	2*	7.5294	24.3046	2*	17.8817	12.2468	
8722	73§	7.5408	18.6538	65§	18.1360	6.6027	8781	2*	7.7906	24.5481	2†	18.1254	12.5000	
8723	4	9.3256	18.4869	2*	19.9247	6.5140	8782	2*	7.8579	24.8171	2*	18.1751	12.7800	
8724	4	9.5287	18.9668	2*	20.1051	7.0069	8783	7	9.4658	24.1038	6	19.8168	12.1333	
8725	3	11.6599	18.9132				8784	5	11.9408	24.1821	4	22.2902	12.3183	
8726	6	11.9808	18.4211	3*	22.5829	6.5682	8785	25§	12.3790	24.5238	26§	22.7122	12.6788	
8727	3	12.0596	18.9945				8786	13	12.7211	24.7648	13	23.0418	12.9365	
8728	21§	3.8618	19.9145	19§	14.4054	7.6998	8787				3	16.2923	13.6960	
8729	10	5.2485	19.4368	8	15.8091	7.2838	8788	26§	6.8835	25.0553	13	17.1978	12.9695	
8730	16§	6.9805	19.0370	9	17.5600	6.9598	8789				4	17.7580	13.9128	
8731	16§	7.2323	19.1312	16	17.8072	7.0640	8790	4	8.8492	25.6622	5	19.1351	13.6599	
8732	6	9.1617	19.6102	6	19.7138	7.6290	8791	14	9.3370	25.4738	13§	19.6280	13.4952	
8733	9	9.6492	19.6312	6	20.1993	7.6713	8792	14	9.5439	25.5393	12	19.8340	13.5705	
8734	3	10.0925	19.8123	3*	20.6335	7.8705	8793	20§	10.5694	25.5544	17§	20.8577	13.6286	
8735	5	10.4476	19.2547	4*	21.0122	7.3303	8794	13	11.4114	25.4661	9	21.7028	13.5848	
8736	10	11.0003	19.3897	11	21.5627	7.4909	8795	5	11.8190	25.3885	6	22.1136	13.5228	
8737	6	11.0483	19.4052	4	21.6062	7.5091	R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup>							
8738	18§	11.2826	19.4544	22§	21.8415	7.5675	Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
8739	4	11.5305	19.0803	2*	22.1027	7.2032	Plate 3253. 1896, Sept. 23.			Plate 2853. 1895, Sept. 18.				
8740	4	11.6927	19.9009	2*	22.2313	8.0304								
8741	4	12.1126	19.0490	3*	22.6859	7.1990								
8742	3	12.6304	19.3160											
8743	4*	3.9025	20.6931	3	14.4130	8.4813								
8744	44§	4.1865	20.6753	44§	14.6969	8.4751	69 1120	8.7						
8745	4	5.3533	20.2868	3	15.8814	8.1389			8796	4	14.0050	14.8805		
8746	8	5.7703	20.9599	7	16.2647	8.8287			8797	5	15.5777	14.2609		
8747	8	6.5810	20.1753	5	17.1127	8.0787			8798	16§	15.6900	14.4325	19	5.0795
8748	3*	7.6696	20.8076	2*	18.1726	8.7620			8799	6	16.0317	14.4009	4	5.4170
8749	3*	8.2696	20.5979	3*	18.7748	8.5793			8800	7	16.6475	14.2210	8	6.0253
8750	4	9.5712	20.4871	3*	20.0856	8.5265			8801	21§	16.6800	14.8002	24§	6.0795
8751	60§	9.7690	20.7560	62§	20.2721	8.8017	69 1129	7.5	8802	8	17.1852	14.2665	6	6.5643
8752	7	10.0125	20.9588	5	20.5043	9.0153			8803	4†	17.7661	14.3268		
8753	8	10.1825	20.3261	8	20.7028	8.3921			8804	21§	18.4656	14.8890	24§	7.8688
8754	4	10.8469	20.8338	4	21.3433	8.9243			8805	35§	19.5855	14.0670	42§	8.9565
8755	7	12.0198	20.4846	3*	22.5312	8.6295			8806	5	21.3233	14.7743	6	10.7186
8756	6	5.4346	21.5248	6	15.9045	9.3778			8807	5	14.9463	15.0925	5*	4.3587

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 3253. 1896, Sept. 23.			Plate 2853. 1895, Sept. 18.				Plate 3253. 1896, Sept. 23.			Plate 2853. 1895, Sept. 18.			
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.
R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 20 <sup>h</sup> 50 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							Centre R.A. 20 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°						
Plate 3253. 1896, Sept. 23.							Plate 3253. 1896, Sept. 23.						
8808	25§	15°13'19	15°48'47	31§	4°55'73	3°65'90	8867	4	16°59'05	21°94'71	4†	6°25'98	10°06'31
8809	21§	15°9'763	15°69'03	22§	5°40'91	3°83'08	8868	10	17°84'30	21°74'36	6	7°50'88	9°81'02
8810	4	18°46'54	15°05'72				8869	6	18°59'98	21°93'42	4	8°27'13	9°97'50
8811	14§	19°08'98	15°36'77	16	8°51'05	3°39'40	8870	30§	18°88'11	21°64'19	33§	8°54'00	9°66'86
8812	6	19°43'31	15°96'80	6	8°87'57	3°98'30	8871	6	21°12'80	21°34'34	4	10°77'14	9°28'58
8813	20§	19°87'86	15°92'38	23§	9°31'71	3°91'66	8872	9	21°13'92	21°53'63	6	10°78'99	9°47'89
8814	13	20°37'71	15°72'91	12	9°81'06	3°70'49	8873	5	15°31'03	22°34'83	4†	4°99'97	10°51'46
8815	4	22°77'03	15°10'42	4	12°17'50	2°98'90	8874	4	16°03'90	22°63'58	4*	5°73'71	10°77'24
8816	4	24°14'04	15°37'07	3*	13°55'78	3°20'19	8875	10	18°16'98	22°50'79	10	7°86'12	10°56'23
8817	33§	14°27'47	16°60'09	42§	3°74'27	4°80'51	8876	6	18°61'89	22°54'64	5	8°31'03	10°58'43
8818	17§	14°72'95	16°09'80	20	4°17'90	4°28'71	8877	4†	19°19'02	22°16'71	3*	8°87'26	10°18'46
8819	6	14°78'90	16°95'56	7	4°27'13	5°14'63	8878	12	21°68'34	22°04'50	9	11°35'60	9°96'45
8820	4	17°52'21	16°06'27				8879	9	15°34'50	23°63'53	7	5°08'32	11°79'42
8821	4	20°09'08	16°50'50	3*	9°55'33	4°48'98	8880	9	16°04'62	23°74'51	6	5°78'56	11°87'73
8822	16§	21°31'68	16°63'37	14	10°78'29	4°57'17	8881	6	16°41'14	23°75'08	6	6°15'20	11°87'17
8823	7	22°36'81	16°39'46	6	11°82'38	4°29'34	8882	15	18°73'01	23°12'39	13	8°44'52	11°15'73
8824	6	22°55'99	16°69'22	4	12°02'75	4°58'54	8883	5*	23°83'02	23°46'37	4	13°55'49	11°30'26
8825	8	22°55'90	16°83'11	8	12°03'02	4°72'29	8884	13	16°62'45	24°21'49	11	6°38'31	12°32'64
8826	6	22°99'35	16°01'50	6	12°43'47	3°88'98	8885	6	16°74'99	24°03'70	6	6°50'17	12°14'53
8827	4	14°56'90	17°38'18	4	4°06'69	5°57'55	8886	5*	16°88'10	24°51'55	5	6°64'94	12°61'69
8828	17§	14°70'87	17°59'62	18	4°21'55	5°78'54	8887	12	19°68'11	24°15'17	9	9°43'47	12°14'84
8829	3†	15°92'90	17°75'55	3*	5°43'78	5°89'95	8888	5*	21°84'08	24°81'60	4	11°62'14	12°73'15
8830	5	16°03'58	17°19'52	4	5°52'70	5°33'60	8889	4*	22°42'10	24°21'62	3	12°17'68	12°10'88
8831	6	16°13'51	17°13'34	6	5°62'40	5°26'81	8890	6	22°78'44	24°99'30	6	12°56'97	12°87'13
8832	6	17°95'20	17°15'65	4	7°44'03	5°22'42	8891	10	14°15'49	25°25'66	10§	3°95'88	13°46'24
8833	6	17°97'15	17°33'52	7	7°46'68	5°40'07	8892	28§	16°32'09	25°50'59	22§	6°12'92	13°62'80
8834	25§	18°22'10	17°57'39	28§	7°72'56	5°62'78	8893	4*	16°67'19	25°71'51	3	6°48'90	13°82'22
8835	7	18°40'69	17°15'62	7	7°89'23	5°20'48	8894	9	17°86'68	25°39'95	6	7°66'95	13°46'54
8836	7	19°12'02	17°39'50	7	8°61'90	5°41'66	8895	9	18°42'38	25°33'12	8	8°22'30	13°37'43
8837	5	19°44'09	17°45'96	4	8°94'02	5°47'10	8896				4	12°54'46	13°69'61
8838	6	20°31'77	17°32'89	6	9°81'16	5°30'48	8897	10*	23°79'72	25°96'35	7	13°61'39	13°79'57
8839	7	20°58'18	17°76'68	6	10°09'27	5°73'46							
8840	13	22°16'51	17°06'65	12	11°64'72	4°97'33		56§	20°89'24	26°60'48			
8841	6	22°86'16	17°39'36	4	12°35'83	5°27'43							
8842	14§	14°56'91	18°51'38	19	4°11'02	6°70'59							
8843	15§	14°75'62	18°05'45	19	4°27'99	6°24'36							
8844	15§	15°88'03	18°85'39	16	5°43'57	6°99'83							
8845	3	17°72'01	18°85'48										
8846	4	18°43'34	18°66'16	5	7°97'75	6°70'88							
8847	6	18°81'60	18°38'11	4	8°35'02	6°41'41							
8848	7	20°85'90	18°52'86	7	10°39'77	6°48'52							
8849	5	23°34'51	18°26'55	6*	12°87'19	6°12'56							
8850	22	23°38'70	18°81'50	18§	12°93'53	6°67'48							
8851	5*	23°59'97	18°39'40	4	13°13'42	6°24'44							
8852	12	24°00'18	18°49'48	8	13°53'89	6°32'99							
8853	4	24°34'36	18°69'56	3*	13°88'64	6°51'58							
8854	7	15°40'76	19°75'50	7	4°99'58	7°91'66							
8855	10	19°48'78	19°02'63	9	9°04'43	7°03'50							
8856	9	19°62'41	19°84'57	8	9°21'43	7°84'72							
8857	4	15°45'90	20°11'50	5†	5°06'10	8°27'31							
8858	21§	17°73'07	20°83'97	22§	7°36'02	8°91'03							
8859	42§	17°75'20	20°70'31	46§	7°37'69	8°77'34							
8860	18	18°57'00	20°23'57	19	8°17'58	8°27'63							
8861	5	20°70'08	20°85'14	5	10°32'87	8°80'91							
8862	5	22°24'73	20°28'96	4	11°84'80	8°19'06							
8863	20§	22°25'14	20°17'21	15§	11°85'18	8°07'27							
8864	17	22°27'83	20°15'53	15§	11°87'66	8°05'53							
8865	8	23°23'82	20°01'13	6	12°83'23	7°87'41							
8866	4	14°70'10	21°06'92										
R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup>							R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup>						
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 2771. 1895, Aug. 2.			Plate 2853. 1895, Sept. 18.				Plate 2771. 1895, Aug. 2.			Plate 2853. 1895, Sept. 18.			
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.
R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup>							R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup>						
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°							Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						
Plate 2771. 1895, Aug. 2.							Plate 2771. 1895, Aug. 2.						
8898	13	5°44'81	14°74'13	13	16°21'52	2°63'46	8898	13	5°44'81	14°74'13	13	16°21'52	2°63'46
8899	3	8°72'63	14°73'45	2*	19°48'85	2°74'72	8899	3	8°72'63	14°73'45	2*	19°48'85	2°74'72
8900	8	10°16'58	14°14'06	9	20°95'10	2°20'91	8900	8	10°16'58	14°14'06	9	20°95'10	2°20'91
8901	6	13°73'41	14°20'65	3*	24°51'62	2°40'59	8901	6	13°73'41	14°20'65	3*	24°51'62	2°40'59
8902	4*	4°86'56	16°04'20	4*	15°58'53	3°91'12	8902	4*	4°86'56	16°04'20	4*	15°58'53	3°91'12
8903	17	7°51'43	15°32'15	17	18°25'90	3°28'89	8903	17	7°51'43	15°32'15	17	18°25'90	3°28'89
8904	3†	8°15'17	15°59'57	3*	18°88'32	3°58'93	8904	3†	8°15'17	15°59'57	3*	18°88'32	3°58'93
8905	3	8°36'73	15°19'12	2*	19°11'28	3°19'08	8905	3	8°36'73	15°19'12	2*	19°11'28	3°19'08
8906	2*	9°68'30	15°27'71	3*	20°42'64	3°32'51	8906	2*	9°68'30	15°27'71	3*	20°42'64	3°32'51
8907	2*	9°78'55	15°21'61	2*	20°53'22	3°26'64	8907	2*	9°78'55	15°21'61	2*	20°53'22	3°26'64
8908	6	12°22'89	15°03'50	5	22°98'05	3°17'54	8908	6	12°22'89	15°03'50	5	22°98'05	3°17'54
8909	12	12°24'09	15°04'40	11	22°99'35	3°18'60	8909	12	12°24'09	15°04'40	11	22°99'35	3°18'60
8910	7	9°61'40	16°84'56	8	20°30								



## ZONE + 69°.

R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>								R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2771. 1895, Aug. 2.				Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2853. 1895, Sept. 18.				Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2771. 1895, Aug. 2.				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2314. 1894, Oct. 28.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
8918	11	7.9120	17.6838	14	18.5683	5.6649	° m.	8971	36§	22.7777	14.6842	36§	12.0355	2.4418	68° 1203 m.
8919	54§	9.6146	17.1727	44§	20.2878	5.2162	69 1148 8.0	8972	5	22.7882	14.6943				
8920	3*	10.3945	17.8169	3*	21.0462	5.8902		8973	17	23.2182	14.1976	9†	12.4554	1.9389	
8921	6	6.9485	18.6642	8	17.5665	6.6092		8974	52§	23.5370	14.3770	50§	12.7789	2.1029	68 1207 8.8
8922	17	7.8622	18.2498	16	18.4994	6.2269		8975	5	24.2680	14.7493	3*	13.5229	2.4434	
8923	3	7.9728	18.6140	4	18.5944	6.5950		8976	6	16.5875	15.0994				
8924	3†	8.4619	18.8080	4	19.0777	6.8093		8977	10	17.6102	15.7645	8*	6.9220	3.7487	
8925	6	8.5524	18.4846	7	19.1805	6.4879		8978	5	19.4194	15.4238	2*	8.7161	3.3263	
8926	3	13.5085	18.7671					8979	17	19.9378	15.8468	12	9.2497	3.7272	
8927	5	6.2423	19.4534	6	16.8328	7.3711		8980	10	20.1132	15.3019	6*	9.3967	3.1753	
8928	19	6.6773	19.1189	16	17.2787	7.0558		8981	20§	21.3133	15.2221	16	10.5961	3.0469	68 1200 9.2
8929	4†	6.8998	19.9912	4	17.4691	7.9355		8982	4*	21.5785	15.9194	2*	10.8892	3.7304	
8930	2*	8.9002	18.9879	3	19.5048	7.0010		8983	45§	23.1603	15.2556	45	12.4422	2.9983	68 1204 9.0
8931	4	10.2922	19.1970	5	20.8895	7.2671		8984	73§	23.4279	15.8581	65§	12.7378	3.5861	68 1206 8.0
8932	8	10.6351	19.2458	10	21.2335	7.3278		8985	4*	23.6373	15.5185	2*	12.9290	3.2401	
8933	2†	12.1987	19.3742	2†	22.7848	7.5146		8986	8	15.1983	16.4161				
8934	7	12.4669	18.9261	9	23.0711	7.0768		8987	21	19.1695	16.6588	22	8.5162	4.5736	
8935	3	13.5243	19.6026					8988	4	21.4766	16.8151				
8936	4	3.8791	20.7392	5	14.4243	8.5721		8989	11	22.2242	16.8505	11	11.5775	4.6300	
8937	6	4.8852	21.1281	6	15.4138	8.9953		8990	4	16.4477	17.8205				
8938	6	5.5520	20.8622	6	16.0924	8.7535		8991	11	17.3301	17.7166	10	6.7263	5.7107	
8939	26§	9.3897	20.7402	24§	19.9325	8.7754	69 1147 9.5	8992	12	19.6632	17.5373	11	9.0471	5.4277	
8940	+	9.9019	20.8242	5	20.4405	8.8760		8993	26§	22.4602	17.0160	26§	11.8192	4.7841	
8941	36§	3.7762	21.3031	24§	14.3019	9.1291	69 1140 9.5	8994	3*	22.7515	17.4266	2	12.1328	5.1826	
8942	2*	4.6981	21.9454	+	15.2008	9.7905		8995	6	23.7133	17.2142	5*	13.0822	4.9284	
8943	4*	5.6527	21.8575	+	16.1545	9.7515		8996	5	24.1461	17.0867	5*	13.5107	4.7806	
8944	4	5.8221	21.3175	6	16.3437	9.2197		8997	26	24.1646	17.7810	20	13.5565	5.4747	69 1161 9.4
8945	3*	6.3225	21.2229	4	16.8460	9.1431		8998	6*	24.1769	17.7909	7	13.5672	5.4856	
8946	31§	6.6006	21.8313	25§	17.1028	9.7628	69 1145 9.5	8999	6	17.9848	18.3621	6*	7.4098	6.3281	
8947	7	7.4486	21.5587	8	17.9599	9.5226		9000	4†	20.7247	18.8360	4*	10.1654	6.6802	
8948	30§	10.9071	21.1690	25§	21.4314	9.2607	69 1149 9.2	9001	20	23.5782	18.3684	17	12.9970	6.0866	
8949	4	13.9152	21.7104	5*	24.4172	9.9131		9002	13	14.5755	19.1708	15	4.0390	7.2858	
8950	39§	4.7464	22.2923	26§	15.2343	10.1555	69 1141 9.4	9003	6	17.2871	19.5341	5*	6.7607	7.5271	
8951	34§	5.4476	22.2383	26§	15.9374	10.1280	69 1142 9.3	9004	20§	18.1888	19.2582	19	7.6497	7.2107	69 1156 9.5
8952	16	8.8025	22.1483	16	19.2916	10.1598		9005	24§	19.1616	19.4185	23§	8.6296	7.3345	69 1158 9.5
8953				3	14.7244	11.1661		9006	51§	22.7260	19.4928	42§	12.1914	7.2497	69 1160 8.3
8954	2	9.8480	23.1101	3	20.2980	11.1605		9007	9	18.2001	20.2950	8	7.7083	8.2471	
8955	4	10.6323	23.2688	5	21.0803	11.3478		9008	19§	18.2459	20.5442	15	7.7665	8.4930	
8956	4	10.8096	23.8846	7	21.2324	11.9715		9009	4	20.7977	20.0728	4*	10.2937	7.9134	
8957	3*	12.0545	23.6946	4	22.4850	11.8279		9010	69§	16.8069	21.3135	66§	6.3612	9.3284	69 1152 6.5
8958	18§	12.6652	23.7024	16	23.0953	11.8553		9011	10	17.8933	21.5339	8	7.4568	9.5004	
8959	2*	7.6214	24.2649	4	18.0318	12.2318		9012	19	18.0350	21.0263	18	7.5768	8.9865	
8960				3	19.2895	12.0869		9013	18	19.0385	21.5377	17	8.6012	9.4560	
8961	3*	8.8962	24.3004	4	19.3027	12.3149		9014	5*	21.9685	21.6620	4	11.5341	9.4500	
8962	2*	11.4018	24.3301	3	21.8080	12.4378		9015	29	23.2834	21.5448	20§	12.8399	9.2728	
8963	3*	4.2998	25.3094	6	14.6737	13.1553		9016	26	23.5041	21.3494	19§	13.0530	9.0698	
8964				4	18.6708	13.3221		9017	5*	23.8089	21.2400	5	13.3537	8.9470	
8965	3*	8.5981	25.4849	4	18.9620	13.4885		9018	3	14.2926	22.1554				
8966	10	8.8703	25.6295	9	19.2298	13.6435	69 1146 9.5	9019	6	21.0408	22.8121	4†	10.6602	10.6353	
8967	3*	10.4521	25.7874	6	20.8030	13.8588		9020	22	21.9365	22.5871	16	11.5408	10.3749	
8968	3*	11.4037	25.5007	5	21.7635	13.6073		9021	26	22.9654	22.4396	18§	12.5619	10.1829	
R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup>								9022	9	16.5371	23.5604	8	6.1897	11.5845	
Centre R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 2771. 1895, Aug. 2.				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2314. 1894, Oct. 28.				9023	40§	17.8800	23.5358	38§	7.5222	11.3171	69 1155 9.0
8969	4	17.2890	14.2315	5*	11.5515	2.2355	° m.	9024	21	19.6987	23.6570	16	9.3499	11.5401	
8970	9	22.3039	14.4542					9025	16	20.2103	23.2781	10	9.8435	11.1420	
								9026	8	15.0520	24.8076	7	4.7631	12.8962	
								9027	6	15.6606	24.2313	4	5.3437	12.2928	
								9028	38§	18.9352	24.4992	28§	8.6274	12.4165	69 1157 9.4
								9029	28§	19.4830	24.0185	22§	9.1521	11.9134	69 1159 9.5

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.

ZONE + 69°.

R.A. 21 <sup>h</sup> 10 <sup>m</sup> to 21 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> —contd.															
Centre		R.A. 21 <sup>h</sup> 10 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°		R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°		Centre		R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°									
Plate 2771. 1895, Aug. 2.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.									
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.						
9030	28§	22°06'38	24°37'63	20§	11°74'65	12°15'78	°	m.	9079	24§	12°86'80	18°33'86	28	23°45'15	6°48'82	69°11'74	9°5						
9031	40§	22°89'09	24°11'46	24§	12°56'12	11°85'62			9080	5	13°46'35	18°10'80											
9032	20	17°54'13	25°00'10	16	7°25'90	12°97'80	69 1153	9°5	9081	10	6°69'00	19°09'91	9	17°24'62	6°99'95								
9033	3*	18°42'66	25°94'08	4	8°18'14	13°87'72			9082	27§	6°76'80	19°52'13	24§	17°30'71	7°42'39	69 1167	9°1						
9034	7*	23°12'14	26°14'71	11	12°87'92	13°88'20			9083	23§	6°89'01	19°60'08	23§	17°42'56	7°50'82								
									9084	14	10°04'57	19°95'03	15	20°56'59	7°98'38								
	51§	26°10'80	15°16'38				68 1212	9°0	9085	5	10°69'30	19°44'28	3*	21°23'24	7°50'25								
	50§	24°77'63	17°58'99				69 1162	8°3	9086	27	4°72'57	20°62'23	23§	15°22'29	8°44'25	69 1164	9°1						
	66§	14°69'32	26°27'86				69 1151	6°8	9087	11	6°49'95	20°27'95	8	17°00'68	8°17'28								
R.A. 21 <sup>h</sup> 20 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup>																							
Centre		R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°		R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°		Centre		R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. +69°		R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. +70°									
Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.		Plate 2395. 1894, Nov. 25.		Plate 2314. 1894, Oct. 28.									
9035	3	13°76'28	13°98'05				°	m.	9097	17	10°57'46	21°18'25	17	21°04'60	9°23'47								
9036	40§	4°65'98	14°95'25	46§	15°38'35	2°77'47	68 1212	9°0	9098	4†	4°15'59	22°00'49	7	14°59'98	9°79'90								
9037	34§	4°92'36	14°27'55	36§	15°67'46	2°10'98	68 1213	9°3	9099	36§	4°71'27	22°68'72	24§	15°12'88	10°50'52	69 1163	9°1						
9038	5	5°27'94	14°00'30						9100	16	5°57'98	22°41'14	10	16°00'38	10°26'43								
9039	15	6°77'25	14°57'97	10	17°51'17	2°48'45			9101	4	6°15'40	22°72'60	4	16°56'33	10°60'27								
9040	4	8°55'93	14°25'26						9102	11	8°48'47	22°14'67	9	18°9'188	10°11'82								
9041	17	10°44'41	14°36'36	11*	21°18'94	2°41'80			9103	4	8°81'23	22°05'73	3*	19°24'99	10°04'02								
9042	4	11°01'30	14°93'48				68 1211	9°4	9104	21§	9°03'97	22°67'37	16	19°45'12	10°66'36								
9043	4	11°66'92	14°75'08						9105	16	9°10'18	22°77'98	15	19°51'06	10°77'27								
9044	16	3°36'37	15°53'61	13	14°06'43	3°30'83			9106	19	9°25'58	22°08'67	18	19°69'20	10°08'69								
9045	17	3°45'80	15°69'64	15	14°15'13	3°47'23			9107	4†	7°36'94	23°77'92	6	17°74'02	11°70'27								
9046	5	3°70'44	15°49'90	4*	14°40'78	3°28'14			9108	13	8°43'20	23°14'77	8	18°82'45	11°11'53								
9047	18	4°79'16	15°30'55	17	15°50'14	3°13'30			9109	2*	8°47'43	23°64'23	3*	18°84'94	11°60'92								
9048	20	4°97'68	15°08'26	16	15°69'40	2°91'85			9110	4	10°24'50	23°37'63	4*	20°62'87	11°41'72								
9049	3	5°41'44	15°60'19				68 1214	7°0	9111	7	10°38'46	23°41'02	7	20°76'62	11°45'55								
9050	88§	5°82'60	15°26'01	87§	16°53'74	3°12'50			9112				5	14°37'32	12°04'73								
9051	7	8°54'99	15°14'63	4*	19°26'34	3°12'60			9113	8	5°02'90	24°67'58	13	15°36'32	12°50'63								
9052	3	9°04'25	15°25'41						9114	2*	5°87'82	24°83'66	4*	16°20'34	12°70'12								
9053	4	12°48'23	15°06'82						9115	7†	6°25'99	25°06'89	7	16°57'78	12°94'84								
9054	3	12°71'80	15°25'40						9116	4*	8°96'82	24°40'58	3*	19°31'17	12°38'80								
9055	5	13°92'07	15°57'39						9117	14	9°35'27	24°60'88	15	19°68'89	12°61'21								
9056	4*	3°45'40	16°74'48	3*	14°10'34	4°51'82			9118	33§	12°82'77	24°80'38	35§	23°15'10	12°94'73	69 1175	9°3						
9057	9	3°53'66	16°82'54	10	14°18'48	4°60'04			9119	29	13°46'15	24°66'77	27§	23°79'05	12°83'78	69 1176	9°5						
9058	16	6°16'05	16°81'03	15	16°80'85	4°69'13			9120	21	13°49'97	24°68'21	18	23°82'89	12°85'28								
9059	19	6°16'86	16°17'77	18	16°84'38	4°06'05			9121	2*	5°87'19	25°32'93	4*	16°18'09	13°19'22								
9060	17	8°75'08	16°67'56	17	19°40'23	4°66'03			9122	46§	6°16'95	25°61'58	32§	16°46'52	13°49'14	69 1165	9°4						
9061	21	9°18'35	16°30'10	21	19°85'06	4°30'38	69 1171	9°5	9123	32	7°73'43	25°71'92	20§	18°02'45	13°65'63								
9062	6	9°79'83	16°45'26	4*	20°45'94	4°48'07			9124	2*	7°74'25	25°34'61	5	18°04'85	13°28'26								
9063	8	12°35'27	16°15'16	4*	23°02'24	4°27'97			9125	2*	8°71'61	25°20'67	2*	19°02'49	13°18'62								
9064	38§	13°71'79	16°85'38	56§	24°36'08	5°03'65	69 1177	9°1	9126	45§	9°69'34	25°13'70	37§	20°00'48	13°15'34	69 1172	8°8						
9065	(2*)	3°47'74	17°48'67	6*	14°09'99	5°26'02			9127	6	10°03'90	25°25'99	9	20°34'67	13°28'91								
9066	48§	3°53'79	17°48'08	41§	14°15'96	5°25'76	69 1162	8°3	9128	4	11°80'80	25°41'07	4*	22°10'44	13°47'17								
9067	13	5°03'12	17°93'35	11	15°63'43	5°76'65			9129	3*	4°51'80	26°14'76	7	14°79'05	13°95'72								
9068	28§	5°96'51	17°67'39	25§	16°57'93	5°54'62																	
9069	3	9°37'28	17°85'77	2*	19°97'74	5°86'74																	
9070	2†	9°64'34	17°66'11																				
9071	4	10°58'86	17°50'43																				
9072	26§	12°76'59	17°30'30	33	23°39'15	5°44'93																	
9073	10	5°31'56	18°64'74	10	15°89'18	6°49'22																	
9074	6	6°06'15	18°06'07	6*	16°66'09	5°93'72																	
9075	45§	7°10'86	18°30'75	46§	17°69'75	6°22'28	69 1168	7°7															
9076	7	9°40'77	18°64'69	5†	19°98'16	6°65'70																	
9077	3	9°43'45	18°77'38																				
9078	9	9°94'28	18°50'32	11	20°52'11	6°53'57																	

No. 9032. B. D.  $69^{\circ} 1153$ . The declination given in the B. D. appears to be about  $3'$  too large:  
No. 9065. Plate 2395. The  $6^{\text{min.}}$  image coincides with the  $20^{\text{sec.}}$  image of No. 9066. The diameter given is that of the  $3^{\text{min.}}$  image.

1 réseau interval represents very nearly  $\zeta' = 55^{\text{h}}.8$  of R. A. at Dec.  $+ 69^{\circ}$ , and  $58^{\text{h}}.5$  at Dec.  $+ 70^{\circ}$ .



## ZONE + 69°.

R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup>							R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 40 <sup>m</sup> —contd.										
Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre R.A. 21 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°						
Plate 2395. 1894, Nov. 25.				Plate 2315. 1894, Oct. 28.			Plate 2395. 1894, Nov. 25.				Plate 2315. 1894, Oct. 28.						
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		No.	Diam.	z.	y.	Diam.	z.	y.	B. D.	
							No.	Mag.								No.	Mag.
9130	8	14°6921	14°4783						9189	28§	14°5813	22°8983	27§	4°2041	11°1021	69°1181	m.
9131	17	16°3808	14°4256	12	5°6489	2°5635			9190	5	14°7870	22°7450	4	4°4046	10°9420		9°0
9132	8	16°7138	14°8474						9191	3*	15°1255	22°3722	2*	4°7238	10°5518		
9133	6	18°4917	14°3431						9192	9	15°2152	22°2439	9	4°8079	10°4221		
9134	8	19°0489	14°0020	5*	8°2982	2°0260			9193	8	15°2188	22°2363	8	4°8121	10°4171		
9135	40§	20°7967	14°1024	40§	10°0483	2°0565	68 1233	9°2	9194	2*	15°2894	22°1132	3*	4°8793	10°2897		
9136	13	20°9299	14°4192	11	10°1931	2°3691			9195	8	15°4181	22°5840	12	5°0230	10°7521		
9137	21§	21°0173	14°5204	21	10°2852	2°4679			9196	22§	16°2638	22°4336	21	5°8637	10°5706	69 1184	9°4
9138	28§	22°2093	14°0648	29	11°4580	1°9630	68 1237	9°2	9197	5*	21°8479	22°1762	5	11°4320	10°0813		
9139	44§	23°4228	14°7845	47§	12°7000	2°6282	68 1239	8·8	9198	4*	24°4202	22°0547	7	13°9928	9°8507		
9140	28	24°3652	14°1011	23	13°6142	1°9066			9199	11	15°3698	23°3917	8	5°0105	11°5607		
9141	5*	24°4392	14°2632	4*	13°6970	2°0644			9200	7	18°8582	23°2542	6	8°4881	11°2808		
9142	19	14°5437	15°5171	16	3°8593	3°7289			9201	7	21°0983	23°3954	9	10°7331	11°3305		
9143	6	14°6491	15°0940						9202	3*	18°6185	24°6254	4	8°3064	12°6627		
9144	27§	14°9261	15°2742	36§	4°2317	3°4707	68 1224	9°5	9203	25§	18°7749	24°2285	18	8°4456	12°2588		
9145	22§	20°8974	15°8671	22§	10°2214	3°8160			9204	16	15°5797	25°4758	18	5°3060	13°6374		
9146	20§	21°2755	15°5290	23	10°5846	3°4632			9205	18	18°1719	25°4679	18§	7°8944	13°5215		
9147	3*	22°9450	15°7642	3*	12°2635	3°6304			9206	26	18°3658	25°3242	22§	8°0850	13°3692	69 1186	9°5
9148	59§	14°4208	16°4721	66§	3°7744	4°6864	69 1178	8·7	9207	5	18°7955	25°7918	6	8°5345	13°8197		
9149	6	18°6998	16°3141	5*	8°0433	4°3544			9208				5	9°3888	13°3795		
9150	4†	19°1812	16°0790						9209	13	19°6957	25°7124	15	9°4331	13°7033	69 1187	9°4
9151	7	21°0205	16°3730	5	10°3642	4°3154				75§	21°6092	26°1725				69 1189	7°7
9152	5	21°0527	16°7880	4	10°4166	4°7325			R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup>								
9153	9	23°1189	16°2959	7	12°4570	4°1523			Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
9154	4	23°3202	16°7345	3*	12°6780	4°5819			Plate 4061. 1898, July 14.				Plate 2315. 1894, Oct. 28.				
9155	71§	24°2487	16°9576	62§	13°6131	4°7679	69 1191	8·1	9210	16	10°1624	13°9935	10	20°9456	2°0014		
9156	16	15°2268	17°3443	14	4°6171	5°5270			9211	4	3°7313	14°7662					
9157	10	15°6788	17°3141	10	5°0670	5°4768			9212	17§	5°2305	14°8825	11	15°9805	2°6797		
9158	5	16°2104	17°9005	3*	5°6219	6°0424			9213	4	5°4972	14°9269					
9159	22§	18°9558	17°0953	20§	8°3317	5°1237			9214	22§	5°6545	14°2734	13	16°4295	2°0910		
9160	24§	21°5449	17°8520	26§	10°9497	5°7715	69 1188	9°4	9215	12	6°0394	14°5634	3*	16°8006	2°3939		
9161	4	15°2786	18°5836	3*	4°7225	6°7609			9216	24§	7°3905	14°3954	13	18°1591	2°2868		
9162	6	16°5523	18°9188	5*	6°0038	7°0445			9217	20§	9°1275	14°6035	12*	19°8837	2°5686		
9163	4	17°1619	18°5044	3*	6°5972	6°6036			9218	22	10°0915	14°5368	10	20°8518	2°5448		
9164	7	17°2798	18°6212	7†	6°7226	6°7186			9219	2	10°7510	14°4497					
9165	17	17°9120	18°9943	15	7°3682	7°0607			9220	7	10°8925	14°1236					
9166	10	21°2777	18°9246	8	10°7254	6°8550			9221	14	11°1818	14°6622					
9167	15	21°3207	18°6539	15	10°7594	6°5812			9222	16	13°5070	14°3024					
9168	11	22°1317	18°1222	9	11°5465	6°0195			9223	20§	3°9308	15°8648	12	14°6381	3°6055	68 1255	9°5
9169	6	22°7101	18°9022	5	12°1570	6°7730			9224	14	3°9493	15°9350	6	14°6519	3°6778		
9170	18	24°0200	18°3401	15	13°4440	6°1570			9225	11	5°2725	15°5991					
9171	9	17°4184	19°7462	7	6°9055	7°8339			9226	19	6°0008	15°7920	8	16°7092	3°6202		
9172	8	17°6414	19°0857	6	7°1037	7°1680			9227	3	6°9653	15°2559					
9173	10	18°7867	19°1991	10	8°2504	7°2324			9228	43§	6°9753	15°4490	39§	17°6983	3°3229	68 1247	8°5
9174	6	20°5705	19°8408	6	10°0573	7°8002			9229	4	7°0987	15°5236					
9175	17	22°7335	19°2827	15	12°1972	7°1541			9230	3	7°2574	15°5315					
9176	33§	14°7492	20°0453	32§	4°2522	8°2444	69 1182	9°5	9231	45§	8°1057	15°9913	43§	18°8046	3°9111		
9177	18	16°1431	20°3840	17	5°6584	8°5274	69 1183	9°5	9232	4	10°1455	15°5174					
9178	4	17°9177	20°3466						9233	36§	10°5038	15°4986	35§	21°2228	3°5238	68 1253	9°5
9179	19	18°1437	20°5350	16	7°6646	8°5938	69 1185	9°5	9234	5	10°8816	15°4266					
9180	6	20°4652	20°3061	6	9°9730	8°2684			9235	4	5°4491	16°8474					
9181	18	20°6340	20°2192	18§	10°1372	8°1763			9236	47§	6°7726	16°7993	39§	17°4391	4°6629	69 1194	9°2
9182	4	22°1219	20°2359	3	11°6283	8°1292			9237	5	7°3835	16°5647					
9183	(9*)	23°7826	20°9660	14	13°3146	8°7928			9238	3	7°4503	16°6241					
9184	22§	15°9483	21°2663	22§	5°5019	9°4157			9239	3	8°2259	16°8301					
9185	15	16°1627	21°1821	15	5°7127	9°3215											
9186	9	19°6746	21°8673	6	9°2471	9°8616											
9187				3	9°5562	9°8411											
9188	4*	22°5692	21°8507	4	12°1378	9°7246											

No. 9183. Plate 2395. The 6<sup>min.</sup> image is on the *résseau* line. The diameter given is that of the 3<sup>min.</sup> image.

1 *résseau* interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>							R.A. 21 <sup>h</sup> 40 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>								
Centre		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			Centre		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		
Plate 4061. 1898, July 14.					Plate 2315. 1894, Oct. 28.			Plate 4061. 1898, July 14.					Plate 2315. 1894, Oct. 28.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
9240	22§	8.4198	16.4257	13	19.0983	4.3601	° m.	9299	5	5.5694	22.4160				° m.
9241	7	13.4802	16.4119					9300	29§	6.6709	22.3952	21	17.0940	10.2505	
9242	18	13.9540	16.3489	5*	24.6291	4.5234		9301	3	7.5200	22.2053	2*	17.9526	10.0979	
9243	2†	4.5986	17.9548					9302	106§	9.0513	22.2988	89§	19.4788	10.2554	69 1198 6.7
9244	3	5.2059	17.1670					9303	3†	9.6990	22.1373				
9245	3	5.2840	17.0243					9304	29§	10.5705	22.4195	23	20.9908	10.4444	69 1200 9.2
9246	27§	5.4963	17.5811	22	16.1271	5.3880		9305	6	10.8661	22.9034	2*	21.2677	10.9355	
9247	3	9.5970	17.5963					9306	6	12.1169	22.7550				
9248	3	9.8457	17.9953					9307	18	12.4294	22.8159	8	22.8290	10.9185	
9249	32§	10.7502	17.8064	24	21.3688	5.8421		9308	14	13.5726	22.2881				
9250	17	12.3503	17.8873	5*	22.9631	5.9919		9309	16	4.6596	23.9250	6	15.0195	11.6923	
9251	9	12.4497	17.9284					9310	19	5.2316	23.7382	8	15.5992	11.5304	
9252	2	13.5142	17.7309					9311	4*	5.8748	23.7035	2	16.2436	11.5212	
9253	7	13.8764	17.7229					9312	6	6.5684	23.1456				
9254	7	8.9295	18.8160	2*	19.5041	6.7731		9313	10	7.3494	23.5984	5	17.7221	11.4808	
9255	6	9.0075	18.6470	2*	19.5868	6.6056		9314	4	7.7700	23.0325				
9256	3	12.4655	18.1978					9315	4	8.1848	23.6381				
9257	2	12.5129	18.6453					9316	16	10.1341	23.9253	7	20.4882	11.9263	
9258	14	12.8631	18.4130	4*	23.4536	6.5365		9317	15	10.1678	23.4146	7	20.5451	11.4182	
9259	5	12.9557	18.5272					9318	44§	12.4608	23.0430	37§	22.8531	11.1464	69 1202 9.0
9260	5	4.5992	19.9643	2†	15.1268	7.7309		9319	31§	5.5294	24.0068	19§	15.8854	11.8110	
9261	8	5.2899	19.0685	4†	15.8584	6.8652		9320	13	7.8081	24.7219	6	18.1328	12.6215	
9262	27§	6.2097	19.5093	21§	16.7581	7.3465		9321	8	7.8118	24.9740	4	18.1241	12.8747	
9263	18§	7.6750	19.5043	12	18.2227	7.4025		9322	63§	7.9438	24.6749	49§	18.2696	12.5809	69 1195 8.3
9264	5	9.0395	19.5067					9323	22	8.2393	24.9586	10	18.5524	12.8768	
9265	18	9.8797	19.5442	10	20.4240	7.5396		9324	13	8.6090	24.1061	6*	18.9557	12.0378	
9266	16	13.0663	19.5098	7	23.6084	7.6430		9325	10	10.8474	24.5244	4	21.1741	12.5580	
9267	15	13.6189	19.6195	5*	24.1555	7.7764		9326	3	11.7293	24.1949				
9268	3	13.7801	19.0138					9327	44§	12.4848	24.6042	37§	22.8066	12.7051	69 1201 9.0
9269	7	4.6302	20.2313	3*	15.1502	7.9989		9328	3	12.5801	24.4452				
9270	6	5.7448	20.1837	3	16.2640	7.9985		9329	8	8.3303	25.8371	2†	18.6039	13.7631	
9271	8	6.1209	20.7959	2	16.6148	8.6287		9330	5	9.9322	25.1586	2*	20.2329	13.1503	
9272	2	6.3152	20.0467					9331	7	10.9202	25.9153	4*	21.1906	13.9504	
9273	4	6.4823	20.3473					9332	22§	11.2417	25.6845	11	21.5198	13.7339	
9274	62§	6.7809	20.3495	49§	17.2928	8.2108	69 1193 8.3	9333	13	12.8390	25.7150	4	23.1138	13.8302	
9275	25§	8.2883	20.6171	19	18.7869	8.5437			50§	1.9513	14.9730				68 1239 8.8
9276	8	8.7703	20.2180	4	19.2883	8.1657			82§	2.9585	17.0696				69 1191 8.1
9277	43§	8.9028	20.4439	31§	19.4096	8.3979	69 1197 9.0	R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup>							
9278	6	9.5328	20.4350	2*	20.0396	8.4134		Centre		R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°		
9279	6	11.0826	20.8290					Plate 4061. 1898, July 14.					Plate 4569. 1899, July 19.		
9280	9	11.3694	20.6491	3†	21.8634	8.7067		9334	17	14.0358	14.6656	18	3.2791	2.8044	° m.
9281	4	12.3973	20.9713					9335	18	14.2056	14.4921	19	3.4408	2.6208	
9282	3*	3.6287	21.6869	2*	14.0826	9.4101		9336	6	15.1956	14.1150	5	4.4149	2.2046	
9283	23§	5.5431	21.6551	14	16.0010	9.4601	69 1192 9.5	9337	12	16.3926	14.7140	12	5.6380	2.7546	
9284	4	5.6396	21.3803					9338	4	16.6089	14.5816	4	5.8438	2.6153	
9285	4	6.5979	21.7429	2*	17.0486	9.5944		9339	10	17.9893	14.3559	10	7.2182	2.3303	
9286	3	7.2396	21.8650					9340	15	19.5745	14.4103	18	8.8024	2.3198	
9287	5	7.8997	21.4153					9341	4	19.6496	14.3844				
9288	27§	8.7620	21.3755	20§	19.2288	9.3214	69 1196 9.4	9342	31§	19.8123	14.2252	37§	9.0320	2.1266	68 1262 9.5
9289	5	8.8449	21.1233					9343	20	20.8230	14.2087	20	10.0418	2.0683	
9290	4	9.1340	21.1328					9344	9	20.8492	14.1052	6	10.0640	1.9637	
9291	18§	9.4887	21.7044	9	19.9404	9.6815		9345	10	20.8675	14.1063	8	10.0830	1.9630	
9292	9	10.0645	21.7058	5	20.5165	9.7070		9346	42§	22.0470	14.5799	44§	11.2798	2.3899	68 1264 9.0
9293	7	10.7805	21.0722	2*	21.2587	9.1004		9347	4	23.2488	14.0978	4*	12.4629	1.8580	
9294	6	10.9403	21.2264	2*	21.4116	9.2657		9348	4	14.5128	15.4493				
9295	3	13.1483	21.2046												
9296	16	4.4698	22.9144	6	14.8733	10.6714									
9297	11	4.8024	22.5861	6	15.2198	10.3609									
9298	5	5.3215	22.6400	2*	15.7349	10.4369									



## ZONE + 69°.

R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. +69° Plate 4061. 1898, July 14.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 4569. 1899, July 19.				Centre R.A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. +69° Plate 4061. 1898, July 14.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 4569. 1899, July 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.</	

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.

## ZONE + 69°.

R. A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.								R. A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R. A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R. A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R. A. 21 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R. A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 4061. 1898, July 14.				Plate 4569. 1899, July 19.				Plate 4061. 1898, July 14.				Plate 4569. 1899, July 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
R. A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup>															
Centre R. A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°								R. A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°							
Plate 3263. 1896, Sept. 30.								Plate 4569. 1899, July 19.							

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.



## ZONE + 69°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.										R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3263. 1896, Sept. 30.					Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4569. 1899, July 19.					Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3263. 1896, Sept. 30.					Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4569. 1899, July 19.				
No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	B. D.
				No. Mag.					No. Mag.					No. Mag.					No. Mag.
9578	5	10°6703	17°9155	10	21°2998	5°9850				9637	3*	12°7005	21°2769	5	23°1909	9°4308			
9579	6	10°8712	17°6311	16	21°5127	5°7093				9638				6	14°1774	10°4539			
9580	6	11°3124	17°0983	16	21°9778	5°1953				9639				4†	14°3832	10°4696			
9581	2*	11°9023	17°4599	5	22°5498	5°5817				9640				6	14°4227	10°4005			
9582	3*	13°1982	17°5190	7	23°8413	5°6968				9641	16	4°5748	22°9553	26§	14°9983	10°7659			
9583	14	4°8010	19°0040	22§	15°3896	6°8248				9642	6	5°3595	22°3198	12	15°8083	10°1643			
9584	3*	6°0828	18°3572	6	16°6949	6°2334				9643	15§*	5°8101	22°6968	25§*	16°2409	10°5616			
9585	18§	6°1160	18°4771	28§	16°7233	6°3555				9644	36§*	5°8193	22°7664	62§*	16°2482	10°6277	69 1216	8.3	
9586	12§	7°9878	18°9060	23§	18°5772	6°8612				9645				6	16°9578	10°6563			
9587	6	8°0423	18°7189	12	18°6407	6°6784				9646	4*	6°9333	23°0339	9	17°3521	10°9436			
9588	6	9°4929	18°7137	16	20°0905	6°7346				9647	5*	7°9194	22°7885	11	18°3466	10°7411			
9589	4†	10°5340	18°4076	5	21°1435	6°4701				9648	39§	8°4875	22°9158	68§	18°9080	10°8896	69 1219	8.0	
9590	5	10°7003	18°6943	11	21°2986	6°7646				9649	6	9°3479	22°4875	12	19°7873	10°4988			
9591	5	11°2650	18°1670	10	21°8847	6°2610				9650	42§	10°4714	22°9355	76§	20°8906	10°9930	69 1226	8.2	
9592	12	11°4303	18°8565	24§	22°0213	6°9583				9651	19§	10°5799	22°1952	34§	21°0303	10°2587	69 1227	9.2	
9593	3*	11°4886	18°2249	4*	22°1035	6°3293				9652	6	11°0220	22°9160	12	21°4406	10°9965			
9594	5	11°5242	18°5084	11	22°1285	6°6123				9653	3*	11°0994	22°4504	6	21°5385	10°5331			
9595	6	11°9735	17°9913	11	22°6007	6°1152				9654	6	12°3099	22°3934	15	22°7514	10°5270			
9596	2*	12°4573	18°2119	4*	23°0711	6°2558				9655	6	12°8535	21°9075	13	23°3159	10°0678			
9597	5	12°4996	17°9520	12	23°1262	6°0972				9656				4	23°7230	10°7770			
9598	8	12°7238	18°7048	17	23°3193	6°8592				9657	5†	13°5245	22°5016	9	23°9605	10°6869			
9599	30§	13°9975	18°6761	62§	24°5933	6°8849	69 1230	8.7		9658				5	14°1721	11°8900			
9600				4	14°6790	7°6944				9659	6*	4°7813	23°6339	11	15°1739	11°4538			
9601	3*	4°4054	19°6154	6	14°9680	7°4205				9660	23§	5°1933	23°3378	43§	15°5995	11°1738	69 1215	9.0	
9602				4	15°6303	7°1417				9661				5	19°2508	11°6879			
9603	3	8°0715	19°5799	6	18°6326	7°5372				9662	9	8°8759	23°6723	17	19°2652	11°6631			
9604	6	9°1101	19°1948	12	19°6880	7°1999				9663	12	9°5779	23°3455	20§	19°9823	11°3668			
9605	42§	9°6389	19°6554	72§	20°1967	7°6809	69 1224	8.2		9664	8	10°9505	23°2580	17§	21°3565	11°3343			
9606	45§	9°7456	19°8498	81§	20°2940	7°8803	69 1225	8.2		9665	3*	11°1958	23°6996	7	21°5796	11°7901			
9607	2*	9°7733	19°6759	6	20°3297	7°7076				9666	22§	7°0338	25°0248	26§	17°3675	12°9350	69 1217	9.3	
9608	3	10°2067	19°2235	8	20°7800	7°2702				9667	16	7°1832	25°0360	22§	17°5159	12°9553			
9609	3	10°4028	19°5713	7	20°9631	7°6296				9668				7	17°4291	12°8821			
9610	10	10°4275	19°4398	21	20°9920	7°4982				9669	12	8°0913	24°2848	24§	18°4544	12°2420	69 1218	9.5	
9611	2*	10°6673	19°3354	4	21°2400	7°4043				9670	3*	10°6653	24°0134	6	21°0415	12°0798			
9612	4*	10°7808	18°9614	7*	21°3670	7°0361				9671				4	21°3837	12°7071			
9613	3†	12°6733	19°1071	5	23°2520	7°2577				9672	8	11°8559	23°9420	16	22°2317	12°0558			
9614	4*	13°2813	19°1249	7	23°8610	7°3026				9673	9	13°0155	24°8148	20§	23°3519	12°9813			
9615	10	4°3955	20°5178	21§	14°9198	8°3219				9674	39§	13°0955	24°5552	67§	23°4435	12°7220	69 1229	7.9	
9616				5	16°5243	8°3975				9675				4	16°7631	13°1738			
9617	3*	6°7812	20°2744	7	17°3159	8°1789				9676	12	6°6853	25°2883	22	17°0098	13°1880			
9618	8	7°0490	20°2302	12	17°5838	8°1440				9677				5	18°2494	13°2148			
9619				4	17°7096	8°0737				9678				4	19°1666	13°2330			
9620	4†	7°2598	20°9386	7	17°7617	8°8645				9679	17	9°7361	25°5155	25§	20°0468	13°5411			
9621	12	9°0160	20°2231	22§	19°5504	8°2213				9680				8	20°6627	13°0205			
9622	9	9°2025	20°1673	18§	19°7400	8°1742				9681	18	11°6757	25°7739	28§	21°9738	13°8790			
9623	15§	11°1590	20°8243	26§	21°6675	8°9129				9682				4	22°2102	13°3008			
9624	9	11°3736	20°4950	14	21°8974	8°5930				9683				8	22°4215	13°9269			
9625	2*	12°5481	19°9074	5*	23°0955	8°0547				9684				5	22°9274	13°6322			
9626	7	13°8232	20°0466	16	24°3636	8°2471													
9627	5	5°2409	21°4003	10	15°7263	9°2420													
9628	11	6°1085	21°8273	18§	16°5760	9°7057				17	1°8559	21°8216							
9629				5	16°7571	9°6138				53§	1°6428	24°6081							
9630	6	7°1155	21°7651	11	17°5873	9°6823													
9631	3†	8°4394	21°1656	5	18°9314	9°1386													
9632	4	8°6361	21°1063	9	19°1331	9°0888													
9633	3*	9°2492	21°6834	4	19°7225	9°6927													
9634	20§	9°5192	21°2248	33§	20°0110	9°2436				9685	6	14°3045	14°1855						
9635	22§	12°1880	21°5682	45§	22°6629	9°6989				9686	4	14°7091	14°5228						
9636	81§	12°2346	21°5822	117§	22°7095	9°7151	69 1228	5.9		9687	6	14°9705	14°7576						

No. 9643. The 6<sup>min.</sup> image of this star cannot be separated from the 3<sup>min.</sup> image of 9644. The diameter given is that of the 3<sup>min.</sup> image.

No. 9644. The 3<sup>min.</sup> image of this star cannot be separated from the 6<sup>min.</sup> image of 9643.

1 *réseau* interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.

## ZONE + 69°.

R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 20 <sup>m</sup> —contd.										
Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3263. 1896, Sept. 30.				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.				Centre R.A. 22 <sup>h</sup> 10 <sup>m</sup> Dec. + 69° Plate 3263. 1896, Sept. 30.				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.			
9688	7	15°45'06	14°72'07	5†	4°84'49	2°83'39	°	m.	9747	12	21°67'06	21°94'58	10	11°33'08	9°82'35	°	m.	
9689	4	15°49'55	14°36'82						9748	4	22°64'21	21°56'46	4	12°28'76	9°40'61			
9690	6	21°17'80	14°58'38	3*	10°56'32	2°48'48			9749	11	23°87'84	21°69'23	9	13°52'47	9°48'70			
9691	6	24°35'64	14°40'67	3	13°73'17	2°18'84			9750	4	14°86'56	22°54'66	4†	4°55'34	10°67'78			
9692	6	16°95'15	15°03'90	4*	6°35'86	3°09'45			9751	27§	15°04'30	22°97'33	34§	4°74'70	11°09'40	69 1231	8.8	
9693	16§	17°04'72	15°23'35	25	6°46'04	3°28'48			9752	4	17°18'28	22°08'41	4	6°85'12	10°12'78			
9694	6	17°35'97	15°72'53	5	6°79'06	3°76'87			9753	4	17°43'66	22°13'17	6†	7°10'58	10°16'52			
9695	7	17°94'21	15°22'76	6	7°35'70	3°24'86			9754	8	17°09'06	22°24'61	6	7°58'46	10°26'45			
9696	4	19°44'02	15°47'53						9755	5	19°59'36	22°16'57	4	9°26'75	10°12'36			
9697	4	19°69'93	15°18'25						9756	4	21°82'40	22°81'11	5	11°51'39	10°68'10			
9698	4	20°47'42	15°76'46						9757	22§	23°75'08	22°56'62	21§	13°43'24	10°36'75	69 1246	9.5	
9699	6	22°49'90	15°02'35	5*	11°90'16	2°87'37			9758	6	19°93'16	23°32'74	6	9°64'21	11°26'96			
9700	12	22°85'04	15°18'73	8	12°25'99	3°02'38			9759	15	19°99'05	23°14'52	15	9°69'60	11°08'40			
9701	47§	24°15'65	15°81'28	52 §	13°58'50	3°60'19	68 1298	8.7	9760	59§	23°47'02	23°11'13	58§	13°17'09	10°92'01	69 1245	7.8	
9702	4	16°13'15	16°51'43						9761	17	20°98'18	24°81'65	17§	10°74'99	12°71'75			
9703	8	18°43'23	16°82'41	12	7°90'55	4°82'53			9762	6	22°02'05	24°79'54	6	11°78'48	12°65'77			
9704	15	21°60'55	16°17'97	17	11°05'10	4°06'18			9763				4	13°04'00	12°87'14			
9705	12	22°03'38	16°52'15	11	11°49'13	4°38'69			9764	17	24°15'97	24°76'41	18	13°92'20	12°54'66			
9706	5	22°27'31	16°69'53	3	11°73'85	4°55'42			9765	6	16°08'83	25°53'36	8	5°88'44	13°61'75			
9707	17	24°22'83	16°60'55	17	13°68'70	4°39'24			9766	18	16°79'01	25°75'07	18§	6°59'45	13°80'56			
9708	4	14°00'95	17°70'25						9767	4*	18°79'96	25°72'94	5	8°59'86	13°70'92			
9709	15§	14°56'17	17°79'11	21	4°07'30	5°93'42			9768	38§	20°54'03	25°09'57	31§	10°31'67	13°01'43	69 1240	9.1	
9710	4	15°12'92	17°35'63						9769	6	20°71'03	25°15'49	7	10°49'08	13°06'77			
9711	4	15°50'69	17°50'27						R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup>									
9712	4	16°64'15	17°80'13						Centre	R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°	R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°	Centre	R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°	R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				
9713	8	18°68'18	17°48'20	8	8°17'80	5°47'30			Plate 2358. 1894, Nov. 19.								Plate 2309. 1894, Oct. 27.	
9714	22§	22°95'00	17°96'95	21§	12°45'96	5°80'22			9770	3	3°79'62	14°24'52				°	m.	
9715	2*	14°29'94	18°34'15	2*	3°83'05	6°49'80			9771	3	4°49'69	14°26'06						
9716	7	14°32'00	18°33'40	7	3°85'19	6°48'64			9772	21	6°42'34	14°17'88	21	17°19'04	2°07'69			
9717	4	15°54'57	18°22'61						9773	24§	8°59'74	14°85'16	19	19°33'11	2°84'02	68 1304	9.3	
9718	32§	15°58'35	18°71'94	42§	5°12'81	6°82'46	69 1234	8.0	9774	21	3°32'18	15°05'67	17	14°05'30	2°82'74	68 1299	9.5	
9719	36§	18°55'56	18°98'98	40§	8°10'85	6°98'50	69 1237	8.0	9775	7	7°04'90	15°58'10	3*	17°76'01	3°50'14			
9720	22§	20°06'03	18°02'40	22	9°57'72	5°96'25	69 1239	9.2	9776	7	7°18'23	15°85'84						
9721	15	20°17'17	18°27'76	16	9°69'49	6°21'45			9777	12	8°98'38	15°00'50	5	19°71'30	3°01'05			
9722	18§	21°78'09	18°10'74	20	11°29'63	5°98'43			9778	7	9°46'17	15°28'96	4*	20°17'99	3°31'04			
9723	10	14°09'87	19°24'81	10	3°66'24	7°40'74			9779	10	9°87'81	15°05'91	4	20°60'31	3°09'75			
9724	30§	16°51'67	19°95'08	41§	6°10'87	8°02'15	69 1236	7.8	9780	46§	5°50'88	16°18'88	44§	16°19'40	4°04'83	68 1301	8.8	
9725	5	17°31'03	19°92'51						9781	6	5°93'63	16°87'90	3	16°59'27	4°75'69			
9726	9	17°88'25	19°61'32	9	7°45'95	7°63'04			9782	21	6°58'32	16°03'80	18	17°27'40	3°94'07			
9727	3	20°06'31	19°41'43						9783	8	9°67'60	16°44'39	4	20°34'63	4°47'22			
9728	8	20°65'59	19°19'09	4	10°21'39	7°10'82			9784	3	9°84'59	16°88'00						
9729	25§	20°88'61	19°20'18	31§	10°44'37	7°10'87	69 1241	9.0	9785	14	13°66'79	16°43'84	4*	24°33'32	4°63'52			
9730	3	21°93'30	19°09'76	4	11°48'52	6°96'70			9786	5	3°48'79	17°64'22	4	14°11'37	5°41'82			
9731	4	22°64'04	19°71'06						9787	6	4°10'75	17°32'57	5	14°74'56	5°12'63			
9732	14	22°83'03	19°26'87	11	12°38'88	7°10'57	69 1243	9.5	9788	27§	10°30'69	17°19'64	24§	20°94'78	5°25'05	69 1255	9.4	
9733	7	23°65'64	19°30'50	6	13°21'53	7°11'05			9789	5	10°87'77	17°58'56						
9734	26§	15°42'82	20°49'09	36§	5°03'83	8°60'12	69 1233	8.5	9790	31§	11°56'58	17°57'45	34§	22°19'28	5°67'93	69 1258	9.5	
9735	6	15°73'13	20°96'15	5	5°36'09	9°06'00			9791	6	13°52'33	17°99'33	6	24°24'62	5°41'32			
9736	10	18°20'48	20°47'25	10	7°81'27	8°47'72			9792	9	13°61'11	17°22'55	19§	14°50'28	6°12'47	69 1248	9.4	
9737	6	18°22'02	20°47'07	6	7°82'55	8°47'48			9793	27	3°90'45	18°33'53	15	14°57'89	6°26'71			
9738	9	18°59'60	20°69'20	9	8°21'26	8°68'42			9794	22	3°98'58	18°47'07	24§	16°52'09	6°40'27			
9739	6	19°09'99	20°65'37	6	8°71'29	8°62'67			9795	32§	5°93'20	18°52'93	4	16°70'82	6°75'90			
9740	40§	19°24'99	20°65'97	44§	8°86'43	8°62'83	69 1238	7.3	9796	10	6°13'48	18°87'44	42§	17°36'04	6°52'88	69 1250	8.0	
9741	13	21°55'69	20°07'40	11	11°14'53	7°95'55			9797	51§	6°77'45	18°61'82	7	18°11'65	6°18'19			
9742	18	24°18'72	20°96'48	18§	13°81'00	8°75'11			9798	9	7°51'74	18°24'27	3*	23°73'25	7°01'60			
9743	4	15°06'50	21°35'47						9799	4	13°16'19	18°84'67	14	16°00'10	7°37'05			
9744	40§	15°20'99	21°64'51	52§	4°86'29	9°76'11	69 1232	8.0	9800	18	5°45'16	19°51'72						
9745	8	17°68'28	21°96'60	9	7°34'74	9°99'50												
9746	5	17°73'86	21°16'20	4	7°37'02	9°18'51												

Plates 2358, 2309. There is no star on these plates which corresponds to B.D. 69° 1251. Mag. 9.5.

No. 9795. This star is not in the B. D., but is No. 3588 in the A. G. (Christiana) Catalogue. Mag. 9.4.

1 réseau interval represents very nearly 5' = 55.8" of R.A. at Dec. + 69°, and 58.5" at Dec. + 70°.



## ZONE + 69°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
R.A. 22 <sup>h</sup> 20 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.										R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°					Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
Plate 2358. 1894, Nov. 19.					Plate 2309. 1894, Oct. 27.					Plate 2358. 1894, Nov. 19.					Plate 3264. 1896, Sept. 30.				
9801	8	7.9375	19.2168	6	18.4984	7.1708	°	m.	9851	15	17.3473	15.8546	14	6.5456	3.9428	°	m.		
9802	16	8.4518	19.1838	13	19.0143	7.1611			9852	18	23.1091	16.0250	16§	12.3096	3.8543				
9803	40§	9.7602	19.6306	42§	20.3027	7.6605	69 1252	9.0	9853	5	14.0727	16.4365	4†	3.3013	4.6745				
9804	18	12.2470	19.7464	13	22.7819	7.8801	69 1259	9.5	9854	5	14.5228	16.4558	4	3.7542	4.6742				
9805	4	12.7666	19.2545						9855	3	16.8579	16.8243	4	6.1015	4.9337				
9806	9	6.8037	20.2128	7	17.3256	8.1194			9856	9	19.6342	16.1872	9	8.8463	4.1722				
9807	19	8.4899	20.2493	10	19.0063	8.2264			9857	21	22.0834	16.2426	18	11.2915	4.1150				
9808	3	10.9515	20.4505						9858	24§	15.9378	17.5122	22§	5.2115	5.6627	69 1266	9.5		
9809	3	11.4518	20.4052						9859	15	19.8461	17.2033	13	9.1027	5.1755				
9810	4*	4.1312	21.9740	4	14.5770	9.7759			9860	4	20.3768	17.6683	4	9.6518	5.6166				
9811	4	4.3867	21.4551	3	14.8561	9.2643			9861	3	22.4502	17.9220	4	11.7344	5.7752				
9812	21	5.3244	21.6123	10	15.7897	9.4602			9862	4	23.2733	17.7878	5	12.5519	5.6046				
9813	36§	6.7873	21.2796	25§	17.2644	9.1872	69 1249	9.3	9863	102§	14.1824	18.6560	75§	3.5099	6.8848	69 1262	6.0		
9814	8	9.2357	21.3276	5	19.7095	9.3359			9864	3*	15.1735	17.9165	4	4.4677	6.0992				
9815	7	10.0233	21.6989	4	20.4826	9.7390			9865	19	15.4739	18.3714	17	4.7868	6.5421				
9816	84§	11.1458	21.8228	80§	21.5994	9.9054	69 1257	7.3	9866	9	19.2770	18.7848	8	8.6054	6.7832				
9817	10	3.6157	22.8293	10	14.0335	10.6072			9867	8	20.9070	18.9958	7	10.2395	6.9172				
9818	20§	9.6614	22.6008	14	20.0824	10.6269			9868	3*	21.9295	18.2500	3*	11.2304	6.1320				
9819	17	10.7648	22.3845	17	21.1949	10.4530			9869	18	22.7499	19.1460	13	12.0900	6.9863	69 1274	9.5		
9820	8	11.9167	22.2805	4	22.3488	10.3988			9870	3†	22.9646	18.6681	4	12.2807	6.5020				
9821	2	12.9030	22.8840						9871	5	23.2634	18.7083	5	12.5852	6.5265				
9822	11	5.0075	23.1338	8	15.4134	10.9658			9872	5	16.4196	19.2218	5	5.7705	7.3492				
9823	37§	6.1205	23.7006	22§	16.4970	11.5772			9873	4	17.8372	19.3467	5	7.1918	7.4071				
9824	23	7.4536	23.6109	13	17.8373	11.5410			9874	37§	18.2808	19.7199	28§	7.6513	7.7605	69 1271	9.2		
9825	4	11.5827	23.9945	3	21.9445	12.0945			9875	3*	24.2201	19.3110	5	13.5634	7.0855				
9826	8	13.9179	23.2990	3	24.3091	11.4933			9876	53§	14.5384	20.7285	42§	3.9593	8.9388	69 1264	8.2		
9827	45§	3.8312	24.1290	28§	14.1948	11.9141	69 1247	9.5	9877	†	17.0104	19.9202	4*	6.3919	8.0161				
9828	25	4.4620	24.1833	17	14.8232	11.9900			9878	23§	17.0902	20.6397	21§	6.5039	8.7345	69 1270	9.4		
9829	15	5.4337	24.1703	15	15.7940	12.0240			9879	4†	19.0641	20.3796	4	8.4619	8.3850				
9830	11	7.4016	24.3022	8	17.7569	12.2312			9880	20§	20.6528	20.4619	11	10.0523	8.3953				
9831	3	9.1426	24.5129	4	19.4854	12.5131			9881	3*	22.6469	20.1812	4	12.0335	8.0248				
9832	20	9.6655	24.5082	12	20.0088	12.5302			9882				4	12.8601	8.1763				
9833	30§	10.3543	24.3266	23§	20.7045	12.3763	69 1254	9.2	9883	5	23.5912	21.0160	5	13.0108	8.8169				
9834	4	11.2951	24.7849	4	21.6262	12.8707			9884	8	23.7206	20.3693	8	13.1122	8.1647				
9835	37§	12.6049	24.9154	30§	22.9250	13.0561	69 1260	9.5	9885	12	23.9980	20.8370	9	13.4127	8.6199				
9836	32	7.6791	25.8906	20§	17.9700	13.8291			9886	8	16.2849	21.4973	7	5.7387	9.6266				
9837	19	8.3597	25.0493	11	18.6827	13.0185			9887	14	16.6987	21.8455	9	6.1680	9.9556				
9838	11	8.8216	25.5657	9	19.1215	13.5505			9888	2*	16.9639	21.6082	4	6.4214	9.7064				
9839	85§	10.6957	25.0013	66§	21.0205	13.0630	69 1256	7.0	9889	7	17.0474	21.3858	8	6.4940	9.4828				
9840	4	10.9915	25.3788	4	21.2972	13.4518			9890	25§	17.1187	21.3032	19§	6.5620	9.3978				
	65§	2.8840	15.8481				68 1298	8.7	9891	7	17.8436	21.7433	5	7.3076	9.8035				
	81§	2.7643	23.1790				69 1245	7.8	9892	2*	18.6134	21.2124	4*	8.0494	9.2350				
R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup>										9893	10	18.7743	21.1710	8	8.2098	9.1889			
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°					Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°					R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
Plate 2358. 1894, Nov. 19.					Plate 3264. 1896, Sept. 30.					Plate 2358. 1894, Nov. 19.					Plate 3264. 1896, Sept. 30.				
9841	19§	21.4248	13.9880	16§	10.5330	1.8942	°	m.	9901	4	17.7908	22.4228	4	7.2819	10.4830				
9842	4	16.7571	14.6765	5†	5.9029	2.7955			9902	14	18.3672	22.0115	9	7.8408	10.0455				
9843	10	17.4779	14.1066	7	6.5968	2.1942			9903	18	21.2704	22.8321	9	10.7776	10.7363				
9844	5	17.4900	14.2114	4*	6.6155	2.2951			9904	6	21.6114	22.7385	5	11.1122	10.6292				
9845	5	19.4385	14.5960	5*	8.5791	2.5932			9905	6	14.6775	23.4746	6	4.2207	11.6747				
9846	4	22.4659	14.9723	3*	11.6194	2.8307			9906	4*	15.9460	22.9292	5	5.4638	11.0719				
9847	15	23.3072	14.9870	10	12.4602	2.8063			9907	27§	16.6304	23.1636	22§	6.1584	11.2755	69 1268	9.5		
9848	5	23.8598	14.9074	5	13.0080	2.7020			9908	30§	21.5326	23.3275	19§	11.0603	11.2205	69 1273	9.5		
9849	10	15.8117	14.9570	7	4.9705	3.1149			9909	4*	21.9300	23.3277	3	11.4579	11.1994				
9850	4	15.4225	15.7787																

1 réseau interval represents very nearly 5' = 55.8" of R.A. at Dec. + 69°, and 58.5" at Dec. + 70°.

## ZONE + 69°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 40 <sup>m</sup> — <i>contd.</i>							B. D.		R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup> — <i>contd.</i>							B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
Centre R.A. 22 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 2358. 1894, Nov. 19.									Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3264. 1896, Sept. 30.								
9910				3	12.1194	11.3265		m.	9964	3	10.8055	18.7928					m.
9911	12	22.7687	23.3743	10	12.2996	11.2079			9965	10	11.4628	18.0070	5†	21.9485	6.0460		
9912				3	13.6667	11.2866			9966	7	3.6137	19.9733	3*	14.0285	7.7279		
9913	101§	14.4871	24.2014	78§	4.0635	12.4066	69 1263	6.2	9967	7	5.5838	19.3447	3	16.0235	7.1697		
9914	26§	14.5110	24.2223	20§	4.0897	12.4289			9968	12	8.1025	19.8937	6	18.5205	7.8111		
9915	22§	15.0474	24.8052	18§	4.6523	12.9915	69 1265	9.5	9969	8	8.8513	19.0382	3	19.3000	6.9820		
9916	15	20.2651	24.1496	8	9.8324	12.0970			9970	18§	11.6875	19.1762	13	22.1300	7.2249		
9917				4†	10.4792	12.5726			9971	17§	11.6924	19.1845	13	22.1347	7.2342		
9918	10	21.5863	24.1159	8	11.1502	12.0043			9972	20§	12.4839	19.2875	16	22.9211	7.3650		
9919	26	22.8224	24.2015	13	12.3901	12.0335	69 1275	9.5	9973	3	12.7066	19.2492					
9920				4	13.7315	12.5751			9974	5	12.7705	19.2743	3*	23.2085	7.3637		
9921				6	13.8094	12.2082			9975	7	13.6179	19.3728	3*	24.0509	7.4933		
9922	8	14.0640	24.9680	9	3.6775	13.1943			9976	24§	4.4437	20.6418	12	14.8395	8.4247	69 1277	9.5
9923	3*	14.7124	25.7050	7	4.3585	13.9036			9977	23§	4.5046	20.8394	8	14.8913	8.6248		
9924				3	5.4687	13.6489			9978	3	4.7272	20.4844					
9925	49§	16.3441	25.2437	36§	5.9678	13.3652	69 1267	9.2	9979	4	10.1709	20.0335					
9926	4	16.5496	25.6752	6	6.1902	13.7861			9980	8	13.1105	20.9176	4	23.4878	9.0193		
9927				4	6.5093	13.7754			9981	29§	13.1573	20.2663	20	23.5608	8.3681	69 1285	9.5
9928	8	17.4138	25.8597	8	7.0605	13.9364			9982	4	13.7406	20.3357					
9929	24	18.0150	25.0971	14§	7.6290	13.1464			9983	8	5.0995	21.1257	3	15.4746	8.9323		
R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup>									9984	6	6.2720	21.0258	2*	16.6500	8.8743		
Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2887. 1895, Sept. 25.									9985	28§	6.9898	21.9174	14	17.3341	9.7938		
									9986	4	9.2101	21.8130	2*	19.5582	9.7709		
9930	4	4.0392	14.7475	2*	14.6480	2.5213		m.	9987	22§	11.8851	21.8293	15	22.2297	9.8835		
9931	5	4.0895	14.0935						9988	31§	11.9421	21.8954	24§	22.2830	9.9525	69 1283	9.3
9932	27§	5.1171	14.0160	22	15.7535	1.8276			9989	5	12.7308	21.0735	3*	23.1000	9.1637		
9933	5	5.2218	14.9515						9990	15	12.7370	21.6503	6	23.0850	9.7358		
9934	17	7.2199	14.6747	10	17.8301	2.5629			9991	6	13.0168	21.2304	3*	23.3823	9.3276		
9935	3	7.9333	14.1240						9992	3†	13.8171	21.6847					
9936	25§	8.6100	14.5342	21	19.2225	2.4740			9993	3	4.3967	22.6372	2*	14.7168	10.4150		
9937	2	10.5468	14.9755						9994	6	4.4548	22.2572	2*	14.7870	10.0403		
9938	11	11.1069	14.5869	4*	21.7190	2.6179			9995	30§	4.5605	22.7495	16	14.8753	10.5349		
9939	7	5.1507	15.2330	3*	15.7411	3.0422			9996	29§	7.2205	22.6322	20§	17.5403	10.5145	69 1279	9.5
9940	18	5.2837	15.1106	9	15.8809	2.9274			9997	11	8.7183	22.8289	4	19.0280	10.7658		
9941	2†	6.7175	15.5178						9998	5	11.1648	22.7165	2*	21.4745	10.7448		
9942	3	8.5782	15.6848						9999	3	12.5115	22.0817					
9943	11	9.5920	15.3761	5	20.1753	3.3522			10000	9	12.5510	22.4464	3*	22.8715	10.5253		
9944	6	13.6090	15.9069						10001	9	13.0420	22.1222	3†	23.3745	10.2202		
9945	9	5.1290	16.5678	3	15.6710	4.3766			10002	5	4.0712	23.4355	3*	14.3580	11.2042		
9946	5	6.5454	16.2040	3*	17.0999	4.0642			10003	3	4.5338	23.5219	2*	14.8194	11.3054		
9947	4	7.0705	16.3846	2*	17.6200	4.2645			10004	13	4.9762	23.8056	4	15.2507	11.6051		
9948	5	7.6004	16.9993						10005	4	7.4373	23.4388	2*	17.7245	11.3268		
9949	20	9.4182	16.0547	13	19.9778	4.0240			10006	25§	7.5882	23.9541	9	17.8587	11.8483		
9950	11	13.0687	16.2610	4*	23.6195	4.3637			10007	17§	9.3369	23.6514	7	19.6159	11.6100		
9951	21§	13.2249	16.5245	11	23.7631	4.6329			10008	6	10.3971	23.8476	2*	20.6691	11.8448		
9952	10	3.7556	17.1740	4	14.2791	4.9345			10009	3	10.5752	23.2215					
9953	4	3.8520	17.4815						10010	21§	11.0811	23.7312	13	21.3584	11.7545		
9954	3	6.4378	17.3924						10011	29§	11.1797	23.6004	18	21.4604	11.6258	69 1282	9.5
9955	6	7.1662	17.7486	3*	17.6650	5.6343			10012	5	11.4880	23.5394	2*	21.7700	11.5788		
9956	5	12.2720	17.3975						10013	13	12.1790	23.3768	6	22.4654	11.4399		
9957	5	13.9980	17.5748	2*	24.4980	5.7133			10014	6	12.5605	23.4955	2*	22.8397	11.5733		
9958	8	5.9576	18.6095	4	16.4219	6.4477			10015	26§	12.8049	23.0165	18§	23.1074	11.1041		
9959	3	7.0205	18.3465	2*	17.4985	6.2266			10016	11	13.1159	23.7883	3	23.3867	11.8853		
9960	7	7.6891	18.2072	4*	18.1695	6.1123			10017	6	5.5032	24.5246	3†	15.7510	12.3429		
9961	3	10.0639	18.8488						10018	5	6.8578	24.5976	2*	17.1019	12.4653		
9962	22§	10.1359	18.4655	14	20.6073	6.4584			10019	3	8.1558	24.3199	2*	18.4085	12.2383		
9963	46§	10.7543	18.6536	33§	21.2177	6.6677	69 1281	8.5	10020	27§	8.3824	24.1999	19	18.6417	12.1247	69 1280	9.5
									10021	4	12.1291	24.5264	2*	22.3698	12.5843		
									10022	32§	4.9820	25.5543	12	15.1918	13.3542		

1 réseau interval represents very nearly 5' = 55.8 of R.A. at Dec. + 69°, and 58.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 22 <sup>h</sup> 40 <sup>m</sup> to 22 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				
Plate 2887. 1895, Sept. 25.				Plate 3264. 1896, Sept. 30.				Plate 2887. 1895, Sept. 25.				Plate 2372. 1894, Nov. 21.				
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
10023	25§	6.2678	25.1453	9	16.4929	12.9910	°	10075	6	15.4277	18.7678				°	
10024	17	7.5987	25.7632	4	17.8005	13.6569	m.	10076	19§	16.7769	18.2759	17	6.4590	6.2901		
10025	7	9.0680	25.9251	2*	19.2639	13.8753		10077	6	20.2466	18.2189	3*	9.9258	6.0945		
10026	15	11.5567	25.2207	6	21.7753	13.2625		10078	5	20.4546	18.1795					
10027	30§	12.1802	25.1022	19§	22.4026	13.1655	69 1284	9.5	10079	5	21.9588	18.0063				
10028	19§	13.1825	25.1735	8	23.4017	13.2743		10080	20§	22.8550	18.5322	17	12.5412	6.3035		
10029	29§	7.5451	26.0557	15§	17.7376	13.9485		10081	8	24.0620	18.3962	3*	13.7398	6.1165		
								10082	29§	14.3515	19.2691	32	4.0760	7.3777	69 1286	9.4
								10083	16	15.1722	19.3954	10	4.9015	7.4702		
								10084	9	16.5997	19.1876	4	6.3180	7.2066		
								10085	4	17.1113	19.5874					
								10086	21§	18.2142	19.7093	15	7.9530	7.6638		
								10087	4	18.5099	19.8988					
								10088	6	19.0295	19.2973	3*	8.7523	7.2207		
								10089	11	19.1196	19.4938	4	8.8473	7.4145		
								10090	4	20.3310	19.8163					
								10091	20§	22.2673	19.9768	14	12.0128	7.7699		
								10092	7	23.1710	19.4493	4†	12.8931	7.2051		
								10093	15	23.7882	19.6227	5	13.5189	7.3563		
								10094	17	23.8955	19.5459	8	13.6214	7.2731		
								10095	4	15.4413	20.7263					
								10096	22§	15.5159	20.7220	20	5.2960	8.7832		
								10097	7	15.6721	20.9423	4*	5.4613	8.9950		
								10098	7	15.8558	20.4015					
								10099	5	16.1935	20.2848					
								10100	9	17.0128	20.9990	6	6.8049	8.9998		
								10101	4	17.8967	20.4037					
								10102	4	18.1518	20.4141					
								10103	4†	18.4975	20.7285					
								10104	4	19.1327	20.2725					
								10105	19§	19.9396	20.1335	17	9.6930	8.0183		
								10106	6	20.5718	20.4581	3*	10.3371	8.3176		
								10107	9	20.6474	20.7804	4*	10.4233	8.6375		
								10108	4	20.7970	20.0273					
								10109	11	15.7278	21.4531	7	5.5369	9.5068		
								10110	6	18.3646	21.4304					
								10111	6	18.8084	21.2494					
								10112	29§	19.0720	21.7030	27§	8.8872	9.6248	69 1290	9.5
								10113	10	19.5686	21.2201	5	9.3668	9.1188		
								10114	4	19.8034	21.5254					
								10115	27§	20.2382	21.3733	25§	10.0410	9.2467		
								10116	5	20.6564	21.0303					
								10117	13	20.7565	21.1103	9	10.5478	8.9606		
								10118	19	22.9233	21.4684	10	12.7272	9.2357		
								10119	18	23.7160	21.8968	9	13.5367	9.6286		
								10120	24	24.1223	21.1535	14	13.9150	8.8714		
								10121	21	14.1415	22.8054	15	4.0078	10.9213		
								10122	5	15.2938	22.1850					
								10123	13	16.0178	22.6549	4	5.8751	10.6968		
								10124	4	17.0796	22.7754					
								10125	19§	17.4867	22.8598	12	7.3496	10.8395		
								10126	27§	18.4455	22.8053	23§	8.3068	10.7473	69 1289	9.5
								10127	19§	18.7740	22.4296	14	8.6196	10.3632		
								10128	5	20.1777	22.1455	3*	10.0108	10.0210		
								10129	15	20.2419	22.8725	7	10.1053	10.7442		
								10130	20§	20.6792	22.7756	13	10.5389	10.6289		
								10131	29§	20.6820	22.8247	25§	10.5420	10.6781	69 1293	9.3
								10132	8	20.8440	22.6871	4	10.6995	10.5346		
								10133	11	20.9683	22.4009	4	10.8122	10.2427		

## ZONE + 69°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
No.							No.						
Mag.							Mag.						
R.A. 22 <sup>h</sup> 50 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 10 <sup>m</sup> —contd.						
Centre R.A. 22 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°							Centre R.A. 23 <sup>h</sup> 10 <sup>m</sup> Dec. + 69°						
Plate 2887. 1895, Sept. 25.							Plate 3260. 1896, Sept. 28.						
R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°							R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°						
Plate 2372. 1894, Nov. 21.							Plate 2372. 1894, Nov. 21.						
o m.							o m.						
10134	6	21°1136	22°7442	3	10°9671	10°5785	10187	5	5°4898	18°5685	3*	16°4147	6°4161
10135	20§	22°1959	22°4806	13	12°0410	10°2765	10188	7	8°0305	18°6952	5	18°9490	6°6590
10136	5	22°8652	22°2696				10189	21§	9°0808	18°5569	24	20°0058	6°5682
10137	45§	23°0060	22°2349	43§	12°8391	9°9980	10190	5	10°9818	18°4660			
10138	6	15°2573	23°2994				10191	5	4°8855	19°3469	4	15°7767	7°1667
10139	69§	16°1199	23°1328	61§	5°9978	11°1735	10192	12	9°2302	19°2283	7	20°1238	7°2468
10140	24§	16°2897	23°4940	22	6°1809	11°5254	10193	4	9°5000	19°1093	2*	20°3956	7°1421
10141	7	17°1238	23°9573	3	7°0330	11°9533	10194	3	11°5723	19°8302			
10142	5	17°9948	23°7536				10195	10	11°9085	19°0138	7	22°8114	7°1535
10143	6	18°3123	23°0185	3*	8°1798	10°9650	10196	12	11°9511	19°0810	8	22°8494	7°2235
10144	8	19°0233	23°4951	3*	8°9098	11°4170	10197	5	13°1113	19°8299			
10145	11	19°2624	23°0436	5	9°1345	10°9530	10198	3	13°7902	19°5349			
10146	10	20°5599	23°0405	3*	10°4278	10°8999	10199	4†	4°3173	20°7139	3	15°1431	8°5046
10147	5	20°7920	23°6879				10200	4†	6°7336	20°0069	2*	17°5920	7°9131
10148	12	22°1657	23°0974	5†	12°0347	10°8921	10201	25§	7°8956	20°6649	27§	18°7245	8°6219
10149	15	22°7586	23°6801	6	12°6501	11°4519	10202	7	8°2094	20°8750	4	19°0270	8°8471
10150	14	23°4434	23°3596	5	13°3245	11°1019	10203	20§	8°7384	20°6828			
10151	7	23°5183	23°1556	3*	13°3870	10°8950	10204	30§	8°7417	20°6720	43§	19°5702	8°6695
10152	8*	23°6369	23°3765	2*	13°5165	11°1134	10205	3	9°1607	20°8303	2*	19°9807	8°8436
10153	5	15°1291	24°1994				10206	22	11°9715	20°7843	23	22°7917	8°9263
10154	14	15°5564	24°6792	6	5°4937	12°7385	10207	30§	3°6136	21°7961	25	14°3963	9°5570
10155	21§	15°8729	24°4461	15	5°8023	12°4909	10208	29§	3°7617	21°2440	20§	14°5675	9°0083
10156	9	16°2670	24°7478	4*	6°2089	12°7758	10209	27§	6°1425	21°1426	28§	16°9508	9°0173
10157	9	16°8689	24°0891	3	6°7828	12°0936	10210	9	7°8591	21°5887	7	18°6461	9°5444
10158	13	17°2164	24°7570	5	7°1578	12°7486	10211	5	8°6788	21°6674	3	19°4606	9°6599
10159	7	17°2575	24°1232				10212	38§	9°3836	21°8958	39§	20°1550	9°9203
10160	18	20°8219	24°5891	8	10°7518	12°4373	10213	4	10°8409	21°1679			
10161	5	21°3345	24°2835	3*	11°2499	12°1112	10214	4	11°6228	21°6649			
10162	10	23°5711	24°0655	5	13°4787	11°8032	10215	10	12°1688	21°9332	5	22°9343	10°0816
10163	51§	23°7351	24°4998	28§	13°6599	12°2269	10216	21§	3°5123	22°2058	15§	14°2749	9°9613
10164	4	14°7168	25°6436				10217	4	7°6000	22°0627			
10165	7	17°0255	25°7890	3*	7°0093	13°7890	10218	31§	9°4113	22°4945	31§	20°1568	10°5179
10166	16	18°5291	25°2363	7	8°4880	13°1741	10219	12	9°4907	22°4818	9	20°2355	10°5088
10167	6*	18°7760	25°0416	3*	8°7367	12°9670	10220	17	9°5756	22°3851	17	20°3258	10°4169
10168	5	19°2259	25°2075				10221	4	10°1801	22°1271	2*	20°9397	10°1865
10169	16	23°7392	25°8446	8	13°7167	13°5747	10222	6	10°8211	22°0288	3	21°5857	10°1173
10170	29§	19°2868	26°0446	20§	9°2774	13°9509	10223	7	10°9148	22°6554	3	21°6509	10°7454
10171	8†	22°3441	26°1402	4	12°3350	13°9225	10224	7	12°0730	22°7541	3*	22°8020	10°8975
							10225	19§	12°4750	22°0945	12	23°2341	10°2577
							10226	3	13°0768	22°6585			
							10227	5	13°5215	22°3974			
							10228	6	3°8684	23°5142	6	14°5698	11°2848
							10229	6*	6°0947	23°3460	4	16°8031	11°2170
							10230	4†	8°0688	23°5245	3*	18°7666	11°4846
10172	13	3°3594	14°9440	7	14°4500	2°6990	10231	20§	12°2557	23°7264	16	22°9420	11°8788
10173	4	8°9708	14°9855				10232	14	13°2799	23°0118	13	23°9993	11°2076
10174	4	8°8920	15°5151				10233	5*	3°6541	24°3587	5	14°3184	12°1182
10175	4	12°4503	15°4679				10234	9	3°6713	24°0090	8	14°3517	11°7683
10176	3	13°0395	15°2755				10235	6*	3°8313	24°6534	5	14°4830	12°4205
10177	21§	5°5689	16°3651	21	16°5970	4°2183	10236	15	10°2194	24°3240	11	20°8790	12°3805
10178	9	3°1060	17°9693	7	14°0628	5°7133	10237	6	10°2289	24°3145	6	20°8873	12°3718
10179	5	5°5180	17°0607	3*	16°5134	4°9158	10238	12	11°1815	24°0661	6	21°8528	12°1692
10180	17	6°2964	17°9958	12	17°2465	5°8805	10239	6	11°7357	24°4710	4	22°3902	12°5987
10181	14	7°8197	17°1758	10	18°8044	5°1351	10240	17	4°5813	25°5387	14	15°1927	13°3405
10182	5	8°3115	17°8456	2*	19°2684	5°8241	10241	5*	4°8734	25°4175	6	15°4916	13°2338
10183	20	8°4437	17°2952	17	19°4238	5°2823	10242	14	5°9514	25°0432	12	16°5850	12°9060
10184	13	9°0015	17°6654	8	19°9680	5°6746	10243	20	6°3703	25°6979	16	16°9725	13°5799
10185	8	9°4788	17°4044	4*	20°4512	5°4359	10244	17	7°7522	25°2046	14	18°3758	13°1501
10186	14	13°9407	17°1912	3*	24°9212	5°4239	10245	6	11°1356	25°2070	3	21°7538	13°3079

Nos. 10203, 10204, Plate 2372. The images are not separable, and have been measured as one mass.

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.



ZONE + 69°.

[illegible]

Nos. 10262, 10263. Plate 2373. The images are not separable and have been measured as one mass.

1. *réseau* interval represents very nearly  $5' = 55^s.8$  of R.A. at Dec.  $+ 69^\circ$ , and  $58^s.5$  at Dec.  $+ 70^\circ$ .

## ZONE + 69°.

R.A. 23 <sup>h</sup> 20 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
Plate 640. 1892, Nov. 1.				Plate 2373. 1894, Nov. 21.				Plate 640. 1892, Nov. 1.				Plate 2888. 1895, Sept. 25.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
R.A. 23 <sup>h</sup> 20 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°								Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°								
Plate 640. 1892, Nov. 1.								Plate 2888. 1895, Sept. 25.								
10347	10	11°6830	24°0798	16	22°0287	12°1775	°	10398				4	13°8050	5°4059	°	
10348	32	12°6940	24°0501	31§	23°0398	12°1880	69 1335	9'3	10399			10	13°8493	5°8304		
10349	6*	4°1483	25°6345	12	14°4323	13°4300			10400	3*	18°0936	18°6657	7	7°5080	6°8070	
10350				2	15°1984	13°8785			10401	6	18°5506	18°0490	13	7°9398	6°1737	
10351				4	15°9913	13°6467			10402			6	8°3488	6°4212		
10352	5†	10°4904	25°8388	14	20°7655	13°8877			10403			5	9°4262	6°3457		
10353	22	12°5923	25°6440	27	22°8754	13°7759	69 1334	9'5	10404	8	20°7434	18°7905	15	10°1659	6°8218	
									10405	4	21°8360	18°4572	9	11°2437	6°4438	
	15	3°3806	19°9305				69 1328	8'5	10406			4	13°3955	6°8918		
	18	11°0355	25°9162				69 1333	8'9	10407			7	13°8787	6°5463		
R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup>								R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup>								
Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69°				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				
Plate 640. 1892, Nov. 1.				Plate 2888. 1895, Sept. 25.				Plate 640. 1892, Nov. 1.				Plate 2888. 1895, Sept. 25.				
10354	16	15°2215	14°7040	28	4°4726	2°9700	68°1382	9'4	10410	8	18°0240	19°6438	17	7°4796	7°7875	
10355				6	4°4699	3°9888			10411			4	7°7850	7°5543		
10356	7	16°0752	14°1268	21	5°3014	2°3609			10412	9	18°9041	19°0048	16§	8°3325	7°1135	
10357				6	6°4308	2°6505			10413			5	8°9109	7°6934		
10358	5	17°2305	14°7079	15	6°4799	2°8904			10414			4	9°2619	7°2263		
10359	4	19°5826	14°4135	8	8°8189	2°4981			10415	21§	19°8490	19°3729	22§	9°2931	7°4440	69 1346
10360				4	9°1024	2°1289			10416	2*	21°0807	19°4971	5	10°5273	7°5170	9'5
10361				5	9°9699	2°9840			10417			4	10°6607	7°2727		
10362	5	20°9423	14°3255	15	10°1762	2°3544			10418	13	21°7110	19°4113	17§	11°1564	7°4037	
10363				4	10°5521	2°1487			10419			6	11°3063	7°2438		
10364				9	10°7127	2°3447			10420	7	21°9229	19°8050	14§	11°3819	7°7860	
10365	6	22°4826	14°8428	13	11°7354	2°8040			10421	10	23°1518	19°6100	15§	12°6004	7°5400	
10366	7	14°1082	15°6403	16	3°3989	3°9503			10422			4	12°8543	7°1739		
10367	6	19°1628	15°4944	17	8°4428	3°5985			10423			4	12°9583	7°3889		
10368	3*	19°4162	15°4026	6	8°6983	3°4975			10424	5*	24°3770	19°5733	11	13°8228	7°4483	
10369				7	9°1436	3°0245			10425	5*	14°0740	19°9356	11	3°5436	8°2462	
10370	3*	20°1247	15°7477	12	9°4175	3°8108			10426			7	3°7040	8°6808		
10371	6	20°6490	15°4586	16	9°9291	3°4975			10427	4*	14°7892	19°7526	9	4°2538	8°0375	
10372				10	11°2180	3°9524			10428			7	6°4451	8°9166		
10373	27§	23°1146	15°8503	28§	12°4095	3°7847	68 1389	9'5	10429			3	6°8296	8°3520		
10374				5	13°4619	3°0128			10430			5	6°9550	8°6699		
10375	3*	14°2909	16°5939	9	3°6251	4°8967			10431	10	17°7473	20°2176	17§	7°2313	8°3758	
10376	4*	16°4680	16°5215	11	5°7941	4°7314			10432	4*	19°0616	20°1926	9	8°5415	8°2950	
10377				6	7°1201	4°4391			10433	23§	20°7370	20°2806	26§	10°2180	8°3118	69 1350
10378				4	8°4840	4°9140			10434			4	10°3165	8°3881	9'4	
10379	6	19°3420	16°7541	15	8°6779	4°8469			10435			3	10°4545	8°5650		
10380				4	9°2083	4°1903			10436			6	11°0340	8°2585		
10381				9	9°9246	4°2354			10437	4*	21°9407	20°6966	8	11°4405	8°6754	
10382	9	21°3633	16°6434	16	10°6922	4°6502			10438			8	12°2920	8°4652		
10383				7	12°2115	4°7789			10439			4	13°2061	8°1333		
10384	11	23°8900	16°1201	17	13°1937	4°0218			10440	41§	23°8363	20°7380	31§	13°3352	8°6372	69 1356
10385	4*	24°0352	16°3994	11	13°3544	4°2963			10441	18	24°2280	21°1080	24§	13°7434	8°9915	69 1357
10386				7	4°0485	5°5584			10442	6	15°8873	20°8614	12	5°3977	9°0967	9'3
10387	5*	14°8296	16°7626	12	4°1689	5°0445			10443	10	17°6737	21°6974	17§	7°2178	9°8571	
10388				4	4°4891	5°1176			10444			4	7°5152	9°4348		
10389	5*	16°9212	17°6128	12	6°2950	5°8062			10445	11	19°0442	21°0055	16§	8°5597	9°1082	
10390				4†	7°6906	5°9805			10446			7	9°0208	9°6956		
10391				4	8°3270	5°3481			10447			3	9°9570	9°1496		
10392	23§	21°7391	17°6510	20§	11°1123	5°6420			10448	24§	20°7114	21°2056	26§	10°2342	9°2384	69 1351
10393	4	22°5542	17°3561	9	11°9120	5°3105			10449	5	20°9336	21°7465	10	10°4775	9°7686	9'3
10394				8	12°1275	5°7585			10450			4	10°9088	9°6860		
10395				5	12°1580	5°2685			10451			3	10°9258	9°4630		
10396				5	12°3393	5°5938			10452	10	22°3370	21°6970	15	11°8777	9°6585	
10397				5	13°0045	5°0110			10453			6	12°1040	9°9695		
									10454			4	13°0983	9°0950		
									10455			6	13°6528	9°7885		
									10456			4	4°9550	10°0684		

1 réseau interval represents very nearly 5' = 55°.8 of R.A. at Dec. + 69°, and 58°.5 at Dec. + 70°.



## ZONE + 69°.

R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 30 <sup>m</sup> Dec. + 69° Plate 640. 1892, Nov. 1.				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2888. 1895, Sept. 25.				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2937. 1895, Nov. 13.				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2888. 1895, Sept. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 40 <sup>m</sup> —contd.															
10457	4*	15°5687	21°9886	9	5°1279	10°2360	°	10507	15	8°9361	14°4061	21	19°6814	2°5341	°
10458				3†	5°7657	10°8300	m.	10508	16	9°6427	14°2968	19	20°3896	2°4539	m.
10459				4	6°4477	10°1045		10509	36§	10°9244	14°4739	45§	21°6653	2°6844	68 1404
10460	14	18°2168	22°7461	20§	7°8058	10°8791		15010	13	13°1717	14°0767	12	23°9291	2°3769	9°0
10461	22§	19°6309	22°4314	26§	9°2066	10°5076		10511	38§	3°5193	15°5191	29§	14°2232	3°4302	68 1392
10462				4	9°2879	10°0035		10512	6	5°4212	15°5853	7	16°1205	3°5710	9°2
10463	32§	23°6988	23°0854	31§	13°2958	10°9943	69 1355	10513	14	6°7700	15°1918	14	17°4875	3°2317	
10464	11*	23°9248	22°7512	18	13°5094	10°6485	9°0	10514	18	8°0385	15°6492	19	18°7348	3°7405	
10465	7*	24°2862	22°3246	13	13°8521	10°2067		10515	4	8°0723	15°8444	3†	18°7594	3°9345	
10466				4	3°7263	11°6730		10516	6	8°0785	15°8441	5	18°7661	3°9362	
10467	6	14°5098	23°6633	11	4°1369	11°9543		10517	3	10°6178	15°2063	3*	21°3283	3°4048	
10468	22	15°6314	23°4012	25§	5°2508	11°6479	69 1338	10518	6	13°4469	15°6447	6	24°1349	3°9555	
10469				4	6°2929	11°3484	9°3	10519	20§	13°7624	15°5765	31	24°4566	3°8982	68 1408
10470				6	7°0856	11°5793		10520	80§	3°6440	16°5054	77§	14°3089	4°4190	68 1393
10471	21	18°2673	22°9354	23§	7°8632	11°0673		10521	9	3°9317	16°7316	8	14°5864	4°6569	6°8
10472				4	8°3594	11°4641		10522	2*	4°6224	16°3450	3	15°2900	4°2990	
10473				4	8°6332	11°9995		10523	19	4°9076	16°7518	18	15°5619	4°7159	
10474	11	19°3966	23°8720	19§	9°0328	11°9533		10524	4	5°2253	16°9760	4	15°8697	4°9516	
10475				3	11°9698	11°3167		10525	6	6°7944	16°8672	6	17°4385	4°9058	
10476	7*	22°7072	23°8947	16	12°3359	11°8379		10526	6	7°4819	16°8441	6	18°1307	4°9121	
10477	26§	23°2885	23°2194	29§	12°8905	11°1426	69 1354	10527	7	7°7804	16°0630	9	18°4618	4°1430	
10478				5	4°1521	12°9555	9°4	10528	8	9°4258	16°4563	12	20°0886	4°6005	
10479				4	4°4254	12°5919		10529	24§	12°4444	16°0018	28§	23°1231	4°2703	68 1406
10480				3	5°4223	12°1730		10530	5	8°5496	17°0243	4	19°1875	5°1368	9°3
10481	5	18°0974	24°2838	13	7°7510	12°4223		10531	2	10°8755	17°3814	2*	21°4980	5°5876	
10482				4	8°0678	12°4843		10532	2	13°6823	17°7205				
10483				6	8°1802	12°5137		10533	16	3°4750	18°1787	14	14°0729	6°0848	
10484	28§	19°9433	24°7967	28§	9°6166	12°8577	69 1347	10534	5	3°9756	18°5857	5	14°5617	6°5117	
10485				4	9°8701	12°5429	9°3	10535	4†	4°1750	18°7228	3	14°7567	6°6581	
10486	25	20°4090	23°9653	27§	10°0450	12°0078	69 1348	10536	2*	4°5973	18°5378	3	15°1758	6°4887	
10487	39§	20°9070	24°0638	40§	10°5486	12°0840	69 1353	10537	25§	5°1489	18°7265	23§	15°7210	6°6996	69 1361
10488				4	10°5978	12°2168	9°1	10538	8	5°3091	18°6087	7	15°8848	6°5872	9°3
10489				4	11°6499	12°8471		10539	3*	6°0996	18°1971	2	16°6918	6°2070	
10490				9	13°2068	12°5224		10540	2*	6°8468	18°3798	3*	17°4325	6°4225	
10491	17	17°7528	25°3800	23§	7°4526	13°5335	69 1341	10541	3	7°2765	18°0786	3	17°8665	6°1356	
10492				4	7°9733	13°2121	9°4	10542	4	9°5988	18°1772	5	20°1882	6°3313	
10493	25§	18°5485	25°2001	24§	8°2390	13°3212	69 1344	10543	4	11°1195	18°1769	4	21°7108	6°3916	
10494	13	18°9168	25°6206	21§	8°6258	13°7236	8°9	10544	13	11°9983	18°5115	16	22°5762	6°7623	
10495	7*	19°7705	25°7567	17§	9°4836	13°8221		10545	4	12°0857	18°4202	4	22°6669	6°6740	
10496				6	9°8583	13°0950		10546	10	12°5921	18°2356	10	23°1805	6°5096	
10497				11	10°0559	13°9137		10547	7	13°8358	18°5369	7	24°4118	6°8630	
10498				4	10°7684	13°8469		10548	7	4°4329	19°045	6	14°9605	7°8477	
10499				12	11°6468	13°1112		10549	4*	4°4513	19°3571	4	15°0018	7°3010	
10500				5	11°6669	13°0120		10550	26§	5°1620	19°4151	24§	15°7081	7°3885	69 1360
10501				7	12°6175	13°5200		10551	5	5°5122	19°0213	4	16°0752	7°0095	9°2
10502				4	13°3680	13°8651		10552	11	5°5538	19°8276	7	16°0835	7°8156	
								10553	11	5°5734	19°3661	8	16°1197	7°3550	
	34§	24°9413	15°5713				68 1392	10554	22§	6°2634	19°2040	21§	16°8153	7°2179	
	72§	24°9860	16°5638				68 1393	10555	5	6°9113	19°1705	5	17°4643	7°2155	
	45§	18°0444	26°8511				69 1342	10556	8	8°8741	19°7220	8	19°4038	7°8451	
R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup>															
Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69° Plate 2937. 1895, Nov. 13.				R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2888. 1895, Sept. 25.											
10503	20	3°7634	14°0180	19	14°5270	1°9381	°	10561	17§	13°5175	19°6465	20	24°0513	7°9546	m.
10504	3	6°6167	14°2357	4	17°3712	2°2699		10562	7	4°3935	20°3634	6	14°9017	8°3029	
10505	14	7°8085	14°1947	17	18°5625	2°2771		10563	15	5°0153	20°7364	10	15°5072	8°7025	69 1359
10506	17	8°7165	14°8432	18	19°4422	2°9631		10564	3*	5°1565	20°2157	2	15°6696	8°1880	9°5
								10565	5	5°3059	20°1136	4	15°8225	8°0895	

Nos. 10558, 10559. Plate 2937. The images are not separable and are measured as one mass.

1 réseau interval represents very nearly 5' = 55".8 of R.A. at Dec. + 69°, and 58".5 at Dec. + 70°.

## ZONE + 69°.

R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 23 <sup>h</sup> 40 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				Centre R.A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			
Plate 2937. 1895, Nov. 13.			Plate 2888. 1895, Sept. 25.				Plate 2937. 1895, Nov. 13.			Plate 2888. 1895, Sept. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
10566	17	6.2525	20.0865	11	16.7694	8.1016	10625	13	4.1252	24.2472	12	14.4767	12.1747
10567	4	6.9740	20.6987	4	17.4645	8.7461	10626	7	4.2589	24.5723	6	14.5984	12.5059
10568	5	6.9928	20.8921	6	17.4773	8.9387	10627	6	4.3371	24.2887	6	14.6844	12.2277
10569	8	7.6600	20.6245	6	18.1563	8.6979	10628	3*	5.3051	24.4222	4	15.6483	12.3980
10570	8	8.1337	20.1764	5	18.6473	8.2685	10629	27§	6.7655	24.0517	21§	17.1237	12.0852
10571	8	11.2401	20.0752	7	21.7566	8.2920	10630	16	7.8446	24.5704	9	18.1793	12.6511
10572	8	11.5929	20.7231	8	22.0833	8.9538	10631	4	8.4880	24.5274	4	18.8244	12.6327
10573	2	11.6032	20.5856	2*	22.0977	8.8160	10632	2			2	20.0456	12.4125
10574	3	11.8185	20.3638	2*	22.3233	8.6037	10633	17	10.0560	24.2269	15	20.4043	12.3934
10575	3	12.0942	20.4180	3	22.5945	8.6695	10634	4	10.3156	24.1026	4	20.6681	12.2778
10576	8	12.0982	20.1613	7	22.6108	8.4124	10635	25§	11.3673	24.0920	22§	21.7204	12.3109
10577	12	13.2844	20.1157	11	23.7983	8.4133	10636	2*	11.5833	23.9682	2	21.9412	12.2019
10578	5	13.4039	20.4359	4	23.9043	8.7382	10637	13	11.6119	24.6886	10	21.9418	12.9175
10579	21	14.2920	21.6437	18	14.7494	9.5843	10638	3*	11.9403	24.3916	3	22.2794	12.6369
10580	3*	4.8598	21.6300	2	15.3176	9.5909	10639	3*	4.0556	25.1074	4	14.3686	13.0333
10581	4	5.1612	21.4390	4	15.6257	9.4116	10640				2	16.6386	13.6788
10582	4*	5.3475	21.4617	4	15.8118	9.4413	10641	10	7.5021	25.3427	8	17.8071	13.4074
10583	6	6.8232	21.5454	4	17.2812	9.5863	10642	8	7.5661	25.6603	6	17.8583	13.7275
10584	8	6.9998	21.9349	8	17.4427	9.9815	10643	2*	7.9527	25.2375	3	18.2618	13.3212
10585	4	10.5353	21.5443	4	20.9915	9.7337	10644	14	8.5265	25.3628	10	18.8329	13.4687
10586	20§	10.6123	21.3487	22§	21.0756	9.5400	10645				2	19.2297	13.0896
10587	10	11.1584	21.1341	8	21.6303	9.3477	10646	9	9.2533	25.4343	8	19.5556	13.5698
10588	2	11.6562	20.8046	4	22.1423	9.0383	10647	2*	9.2790	25.6577	3	19.5694	13.7932
10589	10	4.0808	22.5959	8	14.4990	10.5235	10648	8	9.3785	25.2529	8	19.6876	13.3931
10590	4	5.8187	22.0083	4	16.2586	10.0078	10649	3*	9.5794	25.0681	3	19.8943	13.2168
10591	22§	6.0899	22.8361	16§	16.4981	10.8450	10650	18	10.2581	25.4363	14	20.5602	13.6094
10592	2*	6.2674	22.3363	3	16.6968	10.3552	10651	4	10.7561	24.8636	3	21.0796	13.0575
10593	4	7.0003	22.8758	3	17.4041	10.9248	10652				3	22.6617	13.7899
10594	4	7.4393	22.7237	3	17.8503	10.7886	10653	40§	12.6849	25.4504	28§	22.9823	13.7231
10595	9	8.0570	22.8210	8	18.4630	10.9081	10654	15	13.8913	25.6037	13	24.1798	13.9236
10596	15	8.7101	22.3946	13	19.1349	10.5079	10655	9	13.9230	25.5968	10	24.2117	13.9198
10597	7	10.5403	22.0846	8	20.9778	10.2720		40§	2.8402	20.7600			
10598	4	10.8637	22.1066	2	21.2970	10.3060		27§	3.2620	21.0954			
10599	3	11.1247	22.1525	3*	21.5559	10.3637		41§	2.8997	23.1107			
10600	33§	11.1980	22.6584	33§	21.6085	10.8713							
10601	5	11.3994	22.5580	4	21.8135	10.7806							
10602	5	11.7916	22.6653	5	22.2024	10.9011							
10603	8	11.9785	22.0365	8	22.4124	10.2829							
10604	3	13.1361	21.7941	4	23.5779	10.0873							
10605	9	13.5352	21.7695	12	23.9802	10.0783							
10606	5	4.0831	23.0990	5	14.4779	11.0270							
10607	3	4.1041	23.3636	2*	14.4895	11.2934							
10608	40§	5.7945	23.8166	35§	16.1597	11.8125							
10609	4*	5.8823	23.1371	3	16.2751	11.1392							
10610	6	6.2138	23.6545	4	16.5853	11.6679							
10611	9	9.7149	23.2494	8	20.1018	11.4046							
10612	27§	9.9745	23.5865	24§	20.3483	11.7515							
10613	21§	10.6043	23.3397	19§	20.9893	11.5275							
10614	3	10.7668	23.4004	3	21.1483	11.5950							
10615	4	10.8961	23.4854	4	21.2752	11.6857							
10616	5	11.4046	23.2064	5	21.7955	11.4268							
10617	9	12.1325	23.5819	9	22.5066	11.8334							
10618	7	12.3706	22.7457	4	22.7764	11.0043							
10619	14	12.4400	22.9890	13	22.8376	11.2524							
10620	15	12.4534	22.8782	13	22.8553	11.1409							
10621	21§	13.0420	23.5870	20	23.4146	11.8737							
10622	6	13.1033	22.7770	4	23.5078	11.0697							
10623	3	13.6579	23.4654	4†	24.0347	11.7769							
10624	13	4.1268	24.3858	12	14.4710	12.3134							



## ZONE + 69°.

R. A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.							R. A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R. A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R. A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°				Centre R. A. 23 <sup>h</sup> 50 <sup>m</sup> Dec. + 69°			R. A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			
Plate 2937. 1895, Nov. 13.							Plate 2375. 1894, Nov. 21.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .

1 réseau interval represents very nearly 5' = 55<sup>s</sup>.8 at Dec. + 69°, and 58<sup>s</sup>.5 at Dec. + 70°.

## ZONE + 70°.

R.A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 10 <sup>m</sup>								R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 24 <sup>m</sup>							
Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2375. 1894, Nov. 21.				Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4612. 1899, Aug. 11.				Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2922. 1895, Oct. 17.				Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4612. 1899, Aug. 11.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y				

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 0 <sup>h</sup> 10 <sup>m</sup> to 0 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 24 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2922. 1895, Oct. 17.				R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4612. 1899, Aug. 11.				Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2922. 1895, Oct. 17.				R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2840. 1895, Sept. 10.			
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	B. D. No. Mag.
96	4*	11°563	21°0867	4	19°5438	9°2391	° m.	148	4*	19°7298	15°9974	7*	3°3733	4°1852	° m.
97	14	11°8575	21°1575	14§	19°7430	9°3137		149	5	19°9343	16°5965	7*	3°6172	4°7717	
98	4	13°4574	21°7380	6	21°3227	9°9447		150	16§	20°0779	16°5250	19	3°7546	4°6903	
99	13	13°7251	21°2064	15	21°6090	9°4194		151	4*	20°2152	16°5032	6*	3°8905	4°6610	
100	3*	14°5916	21°4910	6	22°4652	9°7299		152	4*	20°5075	16°1765	5*	4°1599	4°3132	
101	8	16°5253	21°6643	10	24°3907	9°9618		153	4*	20°6619	16°0472	5*	4°3040	4°1763	
102	6	4°4346	22°4865	9	12°2823	10°4213		154	27§	22°6239	16°5956	31§	6°2981	4°5898	69 25 9.5
103	43§	10°3621	22°1952	47§	18°2158	10°3046	70 10 8.0	155	4*	18°0143	16°8283	5*	1°7180	5°1296	
104	21§	10°5281	22°1463	25§	18°3832	10°2628		156	7	18°6621	16°7441	10	2°3584	5°0035	
105	2*	11°3623	22°4000	4	19°2101	10°5432		157	9	19°4726	17°1634	13	3°1895	5°3653	
106	20	12°1425	22°6634	19§	19°9808	10°8286	70 13 9.5	158	4	20°2291	17°2306	6	3°9533	5°3848	
107	4	13°5678	22°4716	8	21°4119	10°6806		159	7	21°7144	17°8299	10	5°4717	5°8848	
108	3	13°7065	21°9462	5	21°5697	10°1603		160	3	22°3174	17°1146	6	6°0282	5°1288	
109	4	14°0040	22°3433	6	21°8532	10°5618		161	5*	22°9833	17°3476	5*	6°7074	5°3197	
110	5	16°6166	22°0360	10	24°4739	10°3340		162				5	7°6455	5°1063	
111	9	17°9568	22°3195	14	25°8035	10°6567		163	4	18°2712	18°1603	6†	2°0624	6°4434	
112				5	12°3556	11°0643		164	9	19°1564	17°7887	13	2°9173	6°0130	
113	3	6°0155	23°2675	4	13°8382	11°2507		165	22§	21°1978	18°5179	22§	5°0023	6°6038	
114	3†	8°1078	23°6620	5	15°9185	11°7051		166	18	23°8363	18°1604	21	7°6119	6°0708	
115	7	9°1017	23°8263	9	16°9042	11°9010		167	3*	18°3774	19°6432	5	2°2639	7°9106	
116	14	9°7404	23°0225	14§	17°5702	11°1155		168	20	19°3043	19°7610	19	3°1976	7°9693	
117	4	12°5552	23°6332	6	20°3649	11°8102		169	5	19°6662	19°5953	11	3°5493	7°7808	
118	14	14°0959	23°4921	16	21°9088	11°7148	70 15 9.5	170	10	19°7315	19°0738	13	3°5780	7°2566	
119	4	14°2423	22°8882	7	22°0745	11°1183		171	86§	21°4748	19°1800	90§	5°3196	7°2474	70 24 6.2
120	20§	15°0188	23°2672	21§	22°8379	11°5183	70 18 9.5	172				3	6°3031	7°0890	
121	5*	4°7310	24°7120	8	12°5097	12°6552		173	31§	19°4495	20°8037	40§	3°4112	8°9993	70 22 8.8
122	4*	5°5037	24°5541	5	13°2891	12°5201		174	20§	19°0033	20°9161	21	2°9735	9°1433	
123	36§	7°8757	24°6641	35§	15°6553	12°7005	70 5 9.0	175	5	19°2680	20°9608	7	3°2407	9°1689	
124	3*	9°1067	23°8980	5*	16°9094	11°9738		176				5	3°6215	9°8867	
125	6	10°6557	24°2498	8	18°4484	12°3705		177				9	6°9878	9°6824	
126	4	13°4875	24°7468	6	21°2628	12°9523		178	15	22°9778	21°7169	10	6°9898	9°6764	
127	2*	13°5996	23°9000	4	21°3999	12°1113		179				5	7°3181	9°6897	
128	7	14°3938	24°3354	9	22°1785	12°5660		180	5*	23°5699	21°6836	8	7°5807	9°6048	
129	30§	15°6581	23°9525	35§	23°4565	12°2216	70 19 9.5	181	12	18°2213	21°9590	14	2°2614	10°2325	
130	13	16°8699	23°8837	17	24°6700	12°1918		182	21§	18°5159	22°3365	24§	2°5805	10°5924	
131	5	16°8888	24°1057	9	24°6836	12°4132		183	6	22°6293	22°5737	10	6°7010	10°5579	
132				4†	15°9250	13°6988		184	20	23°2282	22°7424	20§	7°3081	10°6823	
133	44§	10°6999	25°3567	46§	18°4580	13°4791	70 12 7.3	185	4*	23°3403	22°8739	8	7°4276	10°8063	
134	4	13°8305	24°9115	7	21°6015	13°1283		186	19§	19°0735	23°2006	18§	3°1897	11°4165	
135	16	14°1496	24°7605	15	21°9235	12°9843	70 16 9.5	187	41§	19°5625	23°6639	36§	3°7101	11°8456	70 23 8.9
136	2*	14°6339	25°2773	7	22°3947	13°5156		188				4	5°6247	11°3683	
137	2*	14°6716	24°9785	4	22°4396	13°2210		189				4	6°0338	11°6940	
138	4†	14°9525	24°9559	4	22°7206	13°2078		190				5	7°8878	11°7206	
139	14	15°8644	25°5117	18§	23°6154	13°7870		191				5	7°9943	11°5683	
140	7	16°5474	25°1901	14	24°3082	13°4858		192	9	18°0619	24°5161	13	2°2739	12°7967	
R.A. 0 <sup>h</sup> 24 <sup>m</sup> to 0 <sup>h</sup> 30 <sup>m</sup>								193				5	4°5271	12°9908	
Centre R.A. 0 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2922. 1895, Oct. 17.				R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2840. 1895, Sept. 10.				194				4†	6°6651	12°0103	
141	9	19°4439	14°3973	13	2°9803	2°6058	° m.	195				6	6°7947	12°0558	
142	9	21°9546	14°5558	14	5°4932	2°6021		196				4	7°3754	12°9513	
143	20	22°7275	14°6435	22§	6°2692	2°6357	69 26 9.5	197				6	7°5407	12°9258	
144				4	7°3793	2°6498		198	10	19°2686	25°7237	15	3°5580	13°9242	
145	6	21°0213	15°7993	9†	4°6473	3°9049		199	6*	19°7373	25°4834	10	4°0063	13°6544	
146	3*	21°9402	15°3544	5*	5°5360	3°3997		200				3	5°7020	13°3124	
147	5*	23°1907	15°3456	7	6°7844	3°3065		201	5*	21°8872	25°7476	9	6°1677	13°7726	
								202	46	22°3396	25°5596	31§	6°6095	13°5532	
								203				4	7°0642	13°1565	

Nos. 177, 178. Plate 2922. The images are not separable and have been measured as one mass.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.

## ZONE + 70°.

R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup>									R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			Plate 3652. 1897, Oct. 3.			Plate 2840. 1895, Sept. 10.		
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
							No.	Mag.								No.	Mag.
204	33§	4°0113	14°4724	29§	8°1455	2°2968			262	4*	8°9926	16°3143	4	13°0983	4°2228		
205	15	4°0210	14°4705	11	8°1537	2°2980			263	6	9°5693	16°4993	4	13°6691	4°4173		
206	60§	4°4204	14°4298	50§	8°5541	2°2616	69	29	264	3†	10°2168	16°1592	3†	14°3228	4°0881		
207	19	4°5884	14°2691	16	8°7256	2°1042			265	40§	10°6273	16°9303	28§	14°7172	4°8656	69	34
208	4	5°4740	14°2621	2*	9°6133	2°1130			266	7	10°8860	16°7443	4	14°9808	4°6840		
209	7	6°2378	14°7391	6	10°3681	2°6013			267	4	10°9910	16°6147	4†	15°0876	4°5569		
210	13	7°8435	14°3723	11	11°9795	2°2613			268	11	12°2393	16°8776	8	16°3325	4°8399		
211	9	8°0275	14°7811	5	12°1561	2°6725			269	3	13°9331	16°6042	2†	18°0321	4°5950		
212	3	8°1010	14°9056	2*	12°2287	2°8031			270	14	14°7725	16°2804	12	18°8750	4°2862		
213	6	8°2415	14°7134	5*	12°3735	2°6120			271	4	15°2106	16°2393	4†	19°3141	4°2517		
214	20§	10°2124	14°9328	16	14°3402	2°8613			272	2†	15°2306	16°3842	2*	19°3295	4°3975		
215	7	10°9850	14°8033	5	15°1100	2°7463			273	25§	15°3368	16°8526	22§	19°4305	4°8666		
216	54§	11°8273	14°0220	45§	15°9658	1°9793	69	39	274	4	15°7611	16°9528	5	19°8506	4°9763		
217	11	12°0617	14°1886	8	16°1993	2°1475			275	6	15°9031	16°0420	6*	20°0103	4°0665		
218	20	12°9114	14°6496	20	17°0417	2°6242	69	41	276	3	16°1407	16°0392					
219	8	13°7562	14°3486	6†	17°8892	2°3367			277	21§	17°5686	16°0712	17	21°6733	4°1280		
220	34§	13°9193	14°3821	30§	18°0523	2°3730			278	2	17°6121	16°2927					
221	4	13°9234	14°3930						279	102§	17°6790	16°7673	91§	21°7730	4°8211	69	46
222	3†	15°1205	14°4465						280	4	18°2796	16°1643	3*	22°3814	4°2335		
223	3	15°5119	14°3778						281	7	18°7039	16°5610	4*	22°7998	4°6340		
224	25§	16°2576	14°9060	27§	20°3830	2°9370			282	14§	19°0889	16°6316	12	23°1853	4°7121		
225	4	16°5097	14°0547	3*	20°6490	2°0901			283	4	19°4873	16°1730					
226	20	16°8622	14°9003	19	20°9905	2°9406			284	12	21°0542	16°3546	6*	25°1561	4°4665		
227	13	17°6023	14°7851	10	21°7316	2°8391			285	5	21°0955	16°3475	3*	25°1959	4°4573		
228	10	17°9388	14°8389	7†	22°0636	2°8959			286	2	22°1597	16°1453					
229	23§	20°8838	14°5018	26	25°0165	2°6110			287	22§	22°2404	16°8354	23§	26°3354	4°9680		
230	2†	4°3874	15°4955						288	46§	4°1655	17°0462	38§	8°2558	4°8741	69	28
231	4	4°5017	15°0922	3*	8°6255	2°9260			289	9	4°2612	17°1018	7	8°3515	4°9331		
232	4	4°5711	15°4298	5†	8°6898	3°2665			290	14	4°6776	17°4117	14	8°7610	5°2490		
233	7	4°6058	15°3291	5	8°7241	3°1650			291	7	5°1699	17°9740	5	9°2459	5°8186		
234	5	5°9443	15°2801						292	7	5°9669	17°1877	6	10°0540	5°0449		
235	7	6°5624	15°1119	5	10°6838	2°9820			293	6	7°3004	17°2216	4	11°3867	5°1033		
236	4	7°9268	15°2889	3*	12°0478	3°1829			294	3	7°3390	17°7185	3	11°4208	5°5979		
237	91§	8°1710	15°9606	80§	12°2783	3°8565	69	32	295	6*	9°4516	17°0286	4	13°5452	4°9453		
238	13	8°4784	15°1111	8	12°5999	3°0123			296	4	9°5398	17°7268	4	13°6175	5°6439		
239	6	10°1010	15°1507	5	14°2252	3°0800			297	19	9°9508	17°0785	19	14°0400	5°0035	70	37
240	6	10°2724	15°5747	6	14°3862	3°5040			298	7	10°0440	17°1293	6	14°1330	5°0570		
241	33§	10°8769	15°2772	24§	14°9970	3°2160	69	35	299	2	10°2807	17°5677	3	14°3626	5°4949		
242	21§	11°5210	15°4045	21§	15°6388	3°3553			300	7	11°7523	17°5034	7	15°8352	5°4594		
243	2*	11°9617	15°5808	3	16°0743	3°5403			301	85§	11°7711	17°3084	75§	15°8562	5°2652	70	43
244	6	12°3774	15°9431	6	16°4855	3°9078			302	2	12°2105	17°0855	2	16°3004	5°0495		
245	11	12°8018	15°0005	10	16°9263	2°9740			303	17	13°5888	17°6395	15	17°6695	5°6250		
246	6	12°9098	15°2840	7	17°0293	3°2588			304	8	13°9698	17°6960	7	18°0482	5°6865		
247	5	15°7811	15°1455	2*	19°9008	3°1704			305	30§	14°5585	17°3578	26§	18°6415	5°3590	70	48
248	15	16°2381	15°8495	10	20°3497	3°8785			306	8	14°7686	17°1199	4	18°8524	5°1260		
249	3	16°4788	15°7424						307	14	14°9668	17°0912	9	19°0540	5°1025		
250	7	16°6321	15°1433	4	20°7534	3°1810			308	6	15°1212	17°2095	6	19°2079	5°2196		
251	5	17°8903	15°2502						309	8	15°1641	17°2308	7	19°2501	5°2462		
252	6	18°5059	15°7138	4*	22°6181	3°7830			310	8	15°9935	17°5255	6	20°0743	5°5512		
253	3	19°4779	15°5472						311	4	18°6795	17°9100	4*	22°7525	5°9820		
254	13	20°8816	15°3845	6*	25°0003	3°4938			312	11	18°7182	17°1306	6	22°8043	5°2063		
255	5	21°0707	15°5299						313	5	18°7585	17°9790	3*	22°8307	6°0539		
256	16	22°2880	15°1112	9*	26°4116	3°2448			314	4	19°8631	17°3255					
257	8	22°4528	15°2633						315	20	20°8298	17°5201	16	24°9097	5°6280		
258	6	7°4960	16°4575	6	11°5969	4°3433			316	6	21°2242	17°8026					
259	4	7°8306	16°2508	3†	11°9346	4°1395			317	3	22°2974	17°4553					
260	28§	8°0340	16°8391	25§	12°1275	4°7302			318	2	4°6398	18°8410	2*	8°6975	6°6760		
261	3†	8°7774	16°5505						319	23§	4°8403	18°6369	18	8°9026	6°4775	70	26
									320	16	5°1563	18°6734	11	9°1988	6°5177		

Plates 3652, 2840. Nos. 257, 287, 352, 353, 419, 526 are measured also on plates 4095 and 3303.

Plates 3652, 2840. Nos. 286 and 317 are within the limits of measurement of plates 4095, 3033, but are not seen.

1 réseau interval represents very nearly 5' = 58°5 at Dec. + 70°, and 61°4 at Dec. + 71°.



## ZONE + 70°.

R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>								R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3652. 1897, Oct. 3.				R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2840. 1895, Sept. 10.				Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3652. 1897, Oct. 3.				R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2840. 1895, Sept. 10.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	

1 réseau interval represents very nearly 5' = 58°.5 at Dec. + 70°, and 61°.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 30 <sup>m</sup> to 0 <sup>h</sup> 49 <sup>m</sup> —contd.									
Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°.				Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 0 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					
Plate 3652. 1897, Oct. 3.				Plate 2840. 1895, Sept. 10.				Plate 3652. 1897, Oct. 3.				Plate 2840. 1895, Sept. 10.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
439	7	13.8843	21.0505	4	17.9079	9.0403	°	498	4*	17.0551	23.0386	3	21.0453	11.0795	°		
440	4	15.1756	21.1019	3	19.1978	9.1157	m.	499	4†	17.4513	23.6184	3*	21.4336	11.6665			
441	4	16.0235	21.1523	3	20.0440	9.1808		500	4	17.7391	23.9765	3*	21.7108	12.0319			
442	9	16.0445	21.0402	6	20.0674	9.0678		501	12	21.1015	23.8616	7	25.0760	11.9713			
443	5	16.6925	21.7576	3	20.7014	9.7952		502	21§	21.1937	23.1468	14	25.1793	11.2628			
444	5	16.8458	21.5401	3†	20.8680	9.5809		503	26§	4.4372	24.9316	19	8.3963	12.7628	70 25 9.5		
445	81§	17.4769	21.5869	74§	21.4885	9.6368	70 53 7.3	504	21§	4.9718	24.7288	13	8.9348	12.5694			
446	4	17.5008	21.1341	3	21.5218	9.1867		505	12	5.4945	24.4481	6	9.4609	12.2975			
447	17§	17.5279	21.9641	13	21.5344	10.0170		506	6	5.8999	24.2058	4	9.8693	12.0616			
448	10	18.2451	21.2283	9	22.2639	9.2945		507	24	6.1557	24.6818	15	10.1182	12.5417			
449	5	18.6919	21.5188	3	22.7054	9.5884		508	9	7.0520	24.3905	6	11.0200	12.2655			
450	8	18.8210	21.5823	6	22.8344	9.6559		509	7	7.5572	24.7374	5	11.5174	12.6211			
451	3	20.3986	21.4097					510	6	8.1087	24.5481	4	12.0740	12.4393			
452	7	20.5120	21.4617	4	24.5254	9.5662		511	28§	9.0692	24.2034	22	13.0399	12.1125	70 36 9.4		
453	6	21.0070	21.7117	5	25.0138	9.8213		512	4	9.1547	24.4808	2*	13.1213	12.3902			
454	17	21.2472	21.9399	10	25.2524	10.0556		513	4	9.1820	24.7591	3†	13.1433	12.6662			
455	3	21.4785	21.7091					514	9	10.4720	24.5396	7	14.4359	12.4713			
456	5	21.7005	21.6100					515	5*	11.4164	24.0346	4*	15.3888	11.9825			
457	8*	21.9206	21.0306	6*	25.9398	9.1559		516	10	11.8806	24.5203	7	15.8425	12.4776			
458	5	4.9026	22.0744	4	8.9100	9.9138		517	6	12.7241	24.5199	5	16.6889	12.4919			
459	36§	8.0100	22.5141	31§	12.0075	10.4043	70 33 9.4	518	4	12.8014	24.2543	2*	16.7713	12.2263			
460	2	9.2027	22.0907	2*	13.2065	10.0044		519	4	14.1505	24.5443	3	18.1155	12.5390			
461	3	9.4525	22.2904	2*	13.4553	10.2069		520	8	14.6878	24.5485	5	18.6499	12.5547			
462	5	9.5140	22.9958	5	13.5046	10.9123		521	4	14.7231	24.9243	3*	18.6798	12.9285			
463	24§	10.2264	22.8161	22§	14.2185	10.7440	70 38 9.5	522	44§	17.3185	24.6694	38§	21.2783	12.7177	70 52 8.9		
464	31§	10.6912	22.5288	29§	14.6877	10.4659	70 40 9.5	523	40§	17.8083	24.8218	33§	21.7643	12.8789	70 55 9.0		
465	7	11.1887	22.1204	6	15.1918	10.0672		524	6	18.9215	24.1000	5	22.8915	12.1788			
466	3	11.4104	22.7299					525	5	21.1220	24.5495	4	25.0841	12.6620			
467	15	11.5073	22.5371	10	15.5033	10.4868		526	30§	22.2305	24.5494	27	26.1906	12.6823			
468	4	12.2087	22.0797	4	16.2144	10.0424		527	6†	4.3811	25.2987	6	8.3316	13.1312			
469	4	12.2901	22.9570	4	16.2827	10.9218		528	7	6.0692	25.1211	6	10.0230	12.9805			
470	11	12.6694	22.4413	9	16.6655	10.4141		529	4*	6.3633	25.9057	3	10.3050	13.7693			
471	4	12.7216	22.5295	2	16.7188	10.5023		530	25§	7.6954	25.3289	18	11.6467	13.2133			
472	10§	13.8583	22.1222	9	17.8595	10.1154		531	3*	9.3318	25.7957	2	13.2726	13.7063			
473	7	14.0168	22.6034	6	18.0133	10.5972		532	2*	10.2611	25.0841	2*	14.2144	13.0135			
474	2	14.4648	22.4798					533	5	10.5605	25.2819	3	14.5106	13.2173			
475	2	15.2945	22.3460					534	34§	11.5820	25.0495	26§	15.5358	13.0015			
476	12	15.8533	22.7191	8	19.8479	10.7431		535	28§	11.8110	25.8526	23§	15.7516	13.8087	70 42 9.5		
477	3	16.1907	22.6476	2*	20.1875	10.6757		536	5	12.8000	25.6578	5	16.7421	13.6278			
478	5	16.5537	22.2816	4	20.5568	10.3199		537	7	13.1778	25.4617	6	17.1244	13.4399			
479	4†	17.4404	22.7677	3	21.4340	10.8173		538	2*	13.3025	25.4167	2*	17.2500	13.3945			
480	24§	19.3259	22.0300	21	23.3304	10.1134	70 56 9.5	539	8	13.3180	25.1636	5	17.2707	13.1437			
481	5	19.5349	22.2393	3*	23.5346	10.3244		540	5	13.5379	25.9110	6	17.4768	13.8961			
482	12	19.7203	22.3187	7	23.7190	10.4076		541	4	14.1820	25.7498	4	18.1263	13.7443			
483	2	20.2142	22.4824	2*	24.2166	10.5828		542	11	14.4707	25.5883	9	18.4162	13.5902			
484	8	4.4223	23.8478	7	8.3987	11.6809		543	21	18.3247	25.8495	19	22.2643	13.9142			
485	4*	5.5211	23.8439	4*	9.4998	11.6904		544	9	20.0870	25.4234	7	24.0330	13.5189			
486	22§	7.5288	23.6862	21	11.5078	11.5694		R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup>									
487	8	8.7190	23.8318	5	12.6932	11.7354		Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°					
488	13	10.3308	23.9928	9	14.3027	11.9237		Plate 4095. 1898, Aug. 19.				Plate 3303. 1896, Nov. 6.					
489	108§	10.4500	23.8341	105§	10.4252	11.7646	70 39 7.0	545	35§	5.4926	14.0600	36§	5.4483	2.1496	°		
490	15	12.4519	23.0402	8	16.4423	11.0080		546	14	5.9410	14.3502	9	5.8995	2.4386	m.		
491	29§	13.0045	23.2808	26§	16.9893	11.2575		547	18	6.0792	14.5931	12	6.0390	2.6796			
492	21§	14.2500	23.5079	15	18.2287	11.5047		548	7	6.4436	14.8590	6*	6.4059	2.9433			
493	6	14.4379	23.1208	3	18.4222	11.1201		549	8	9.4220	14.3111	8	9.3801	2.3757			
494	23§	15.3103	23.8429	16	19.2857	11.8579		550	37§	12.0543	14.7777	28§	12.0130	2.8215	69 66 9.5		
495	10	15.3953	23.9388	6	19.3696	11.9546											
496	18	16.0177	23.1882	13	20.0043	11.2152											
497	24§	16.1623	23.5629	20§	20.1413	11.5917											



## ZONE + 70°.

R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			
Plate 4095. 1898, Aug. 19.			Plate 3303. 1896, Nov. 6.				Plate 4095. 1898, Aug. 19.			Plate 3303. 1896, Nov. 6.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
551	4*	12°51'08	14°13'98	4	12°46'68	2°18'78	608	8	5°53'45	17°66'66	6	5°51'25	5°75'32
552	4*	12°55'83	14°7'96	4	12°51'65	2°8'39	609	13	7°85'33	17°23'98	14	7°82'93	5°31'39
553	32§	13°08'97	14°01'48	26	13°04'38	2°05'35	610	23§	11°43'42	17°92'35	17§	11°41'34	5°97'43
554	3*	13°67'88	14°80'01	3*	13°63'94	2°83'70	611	2*	11°66'92	17°30'16	3*	11°64'44	5°34'83
555	4*	14°28'23	14°74'37	3*	14°24'33	2°77'68	612	3*	11°86'23	17°72'77	4*	11°84'14	5°77'54
556	7	15°17'32	14°91'08	6	15°13'37	2°93'70	613	6	12°85'31	17°08'37	8	12°82'96	5°12'36
557	5*	15°08'14	14°33'07	5	15°03'83	2°35'56	614	6	12°95'95	17°13'58	6	12°93'30	5°17'82
558	33§	16°61'96	14°11'27	28	16°57'50	2°12'98	615	9	13°20'01	17°80'81	11	13°17'87	5°84'59
559	13	16°81'73	14°29'81	9	16°77'42	2°31'13	616	5*	13°46'35	17°47'00	7	13°44'07	5°50'93
560	4*	19°22'40	14°99'82	4*	19°18'47	2°99'83	617	3*	14°73'92	17°10'63	3*	14°71'29	5°13'63
561	9†	22°25'27	14°22'97				618	21§	14°77'53	17°43'15	17	14°75'09	5°45'90
562	9†	22°28'72	14°50'32	5*	22°24'29	2°48'43	619	14	15°32'28	17°72'81	11	15°30'26	5°75'10
563	43§	24°41'00	14°39'06	49	24°36'90	2°35'65	620	9	15°48'86	17°64'74	9	15°46'70	5°67'08
564	20§	3°22'88	15°61'51	17	3°19'40	3°72'06	621	21	16°31'23	17°66'11	16	16°29'26	5°68'00
565	5*	4°25'04	15°14'28	2*	4°21'60	3°24'60	622	35§	16°56'29	17°04'53	24§	16°53'95	5°06'30
566	7*	4°51'75	15°91'62	4*	4°48'89	4°01'48	623	21§	17°86'66	17°55'89	16	17°84'53	5°56'79
567	8	6°67'30	15°39'16	8	6°63'76	3°47'36	624	5*	19°89'32	17°79'76	5*	19°87'29	5°79'20
568	6*	7°71'07	15°84'43	6*	7°67'99	3°91'84	625	8	20°10'13	17°62'36	6	20°08'12	5°61'93
569	16	9°98'40	15°30'33	16	9°94'83	3°36'27	626	29§	20°84'93	17°95'43	26§	20°82'93	5°94'28
570	4*	10°27'16	15°56'02	5	10°23'72	3°61'85	627	16§	23°61'06	17°82'09	11	23°59'07	5°79'20
571	42§	11°56'38	15°29'03	33§	11°52'71	3°33'95	628	5	24°36'26	17°66'28			
572	10	11°80'84	15°60'46	9	11°77'03	3°65'13	352	40§	2°10'43	18°12'93	37§	2°08'54	6°24'18
573				5	11°96'30	3°12'26	353	8†	2°60'65	18°39'29	5	2°59'05	6°50'22
574	22	13°55'86	15°56'93	22	13°52'13	3°60'55	629	25	2°91'18	18°97'00	21	2°90'03	7°07'63
575	7*	14°28'55	15°37'77	7	14°24'86	3°40'87	630	17	3°13'83	18°47'29	9	3°12'15	6°57'97
576	32§	14°96'10	15°09'15	27§	14°92'16	3°11'78	631	6*	3°42'37	18°38'92	6	3°41'10	6°49'40
577	89§	15°82'35	15°72'13	65§	15°78'89	3°74'03	632	22§	5°43'85	18°59'75	18	5°42'20	6°68'58
578	4*	18°27'65	15°85'47	4*	18°24'19	3°85'83	633	30§	5°79'99	18°85'22	24§	5°78'18	6°94'00
579	13	18°52'11	15°95'38	9	18°48'91	3°95'96	634	5	6°70'82	18°75'99	4	6°69'30	6°84'61
580	5*	18°74'92	15°46'05	4*	18°71'24	3°46'16	635	54§	6°71'61	18°77'02	39§	6°70'11	6°85'14
581	6	19°73'95	15°28'15	5*	19°70'26	3°27'78	636	5*	6°72'63	18°78'82	4*	6°71'19	6°86'78
582	11	21°40'31	15°82'38	8*	21°36'99	3°81'09	637	4*	7°55'98	18°43'02	4*	7°54'24	6°50'93
583	23§	21°82'00	15°24'88	19§	21°78'29	3°22'99	638	8	7°91'97	18°69'89	6	7°90'50	6°77'26
584	24§	22°87'97	15°23'11	28§	22°84'16	3°20'73	639	15	10°60'87	18°79'08	11	10°59'25	6°84'71
585	16	2°66'26	16°53'73	8	2°63'72	4°64'86	640	19§	12°03'48	18°19'12	14	12°01'70	6°23'87
586	20§	3°85'99	16°25'89	17	3°83'09	4°36'00	641	6*	12°32'82	18°25'65	6	12°31'06	6°30'20
587	23§	4°24'93	16°98'38	23	4°22'31	5°08'23	642	6*	12°92'12	18°83'45	7	12°90'95	6°87'48
588	4*	4°45'23	16°31'17	3*	4°42'81	4°41'28	643	14	13°17'72	18°84'35	11	13°16'44	6°88'15
589	20§	5°70'87	16°25'55	16	5°67'85	4°34'23	644	18§	13°27'67	18°94'38	14	13°26'28	6°98'10
590	3*	5°86'03	16°78'51	3*	5°83'28	4°87'13	645	22§	13°72'61	18°18'48	16§	13°70'90	6°21'88
591	17	6°85'89	16°25'74	13	6°82'96	4°33'98	646	20§	13°74'43	18°39'56	14§	13°72'87	6°43'14
592	19§	10°75'63	16°91'55	6	8°25'06	5°04'68	647	105§	14°01'18	18°69'22	79§	13°99'58	6°72'53
593	13	11°38'38	16°92'37	15	10°73'01	4°97'05	648	19§	16°78'86	18°74'14	15	16°77'23	6°75'49
594	10*	11°89'68	16°49'55	11	11°35'98	4°97'50	649	29§	16°78'90	18°46'00	27§	16°77'20	6°47'47
595	22	12°17'62	16°38'90	8	11°86'96	4°54'11	650	7	17°07'15	18°54'39	7	17°05'61	6°55'98
596	5*	14°77'93	16°19'42	20§	12°14'84	4°43'46	651	9	17°84'66	18°31'89	8	17°83'03	6°32'62
597	4*	15°33'92	16°48'75	5	14°74'79	4°22'07	652	11	17°92'42	18°64'34	9	17°90'92	6°65'10
598	24§	16°41'78	16°63'67	4*	15°31'09	4°51'03	653	19§	18°46'23	18°58'90	14	18°44'77	6°59'27
599	4*	16°55'91	16°70'07	17	16°39'02	4°65'39	654	6	20°23'77	18°23'85	5*	20°22'09	6°22'98
600	8	16°77'05	16°46'87	3	16°53'06	4°71'53	655	37§	21°66'02	18°99'45	31§	21°64'64	6°97'93
601	5*	17°26'90	16°51'48	6	16°73'98	4°48'36	656	23	25°49'56	18°84'12	17	25°48'24	6°80'03
602	23§	17°59'18	16°75'55	5	17°24'02	4°52'60	657	4*	3°31'93	19°92'57	4*	3°31'35	8°02'88
603	13	17°70'57	16°59'63	19	17°56'68	4°76'46	658	12	6°74'79	19°46'07	10	6°73'83	7°54'04
604	9	20°76'92	16°08'13	11	17°67'75	4°60'67	659	3*	6°78'58	19°79'08	3*	6°77'88	7°87'04
605	12	3°55'32	17°35'10	6*	20°74'04	4°06'98	660	33§	7°01'10	19°50'64	24§	7°00'08	7°58'58
606	17§	4°77'58	17°86'80	9	3°53'08	5°45'73	661	4*	7°04'93	19°24'45	4	7°03'85	7°32'48
607	5*	4°93'88	17°95'07	10	4°75'69	5°96'33	662	105§	7°74'08	19°31'53	82§	7°72'98	7°39'03
				3*	4°92'09	6°04'58	663	13	8°57'16	19°57'61	7	8°56'30	7°64'49
							664	12	8°76'14	19°06'51	8	8°74'98	7°13'18

Plates 4095, 3033. Nos. 656, 721, 779, 780 are measured also on Plates 2378, 1678.

1 réseau interval represents very nearly 5' = 58".5 at Dec. + 70°, and 61".4 at Dec. + 71°.

## ZONE + 70°.

R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°		
Plate 4095. 1898, Aug. 19.			Plate 3303. 1896, Nov. 6.			Plate 4095. 1898, Aug. 19.			Plate 3303. 1896, Nov. 6.			Plate 4095. 1898, Aug. 19.			Plate 3303. 1896, Nov. 6.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
665	69 <sup>s</sup>	9'9880	19'6649	47 <sup>s</sup>	9'9778	7'7253	70°	70	8'3	723	5*	3'3898	21'1342	5	3'3931	9'2390	
666	26 <sup>s</sup>	10'9813	19'6636	17 <sup>s</sup>	10'9733	7'7167				724	10	3'6723	21'2262	7	3'6777	9'3286	
667	7	11'6099	19'5021	6	11'5996	7'5508				725	13	3'8028	21'8734	10	3'8110	9'9735	
668				4	11'7165	8'0123				726	6*	5'3392	21'2682	5	5'3402	9'3594	
669	29 <sup>s</sup>	13'4741	19'1588	21 <sup>s</sup>	13'4617	7'1954	70°	75	9'4	727	12†	6'5373	21'7652	9	6'5410	9'8490	
670	7	13'4841	19'0870	4	13'4723	7'1242				728	17	7'0390	21'2730	12	7'0403	9'3510	
671	5	13'8117	19'7607	5	13'8036	7'7948				729	6*	8'0953	21'2292	4†	8'0600	9'3045	
672	7	13'9805	19'1650	6	13'9698	7'1987				730	9	8'4086	21'6826	6	8'4111	9'7516	
673	3*	14'1641	19'0308	3*	14'1518	7'0644				731	27 <sup>s</sup>	11'2663	21'9930	21 <sup>s</sup>	11'2723	10'0435	
674	3*	15'9303	19'4149	2*	15'9219	7'4345				732	13†	12'0025	21'8214	9	12'0083	9'8668	
675	40 <sup>s</sup>	16'6907	19'6496	27 <sup>s</sup>	16'6818	7'6640				733	8	12'5323	21'5813	5	12'5371	9'6225	
676	32 <sup>s</sup>	17'3791	19'6705	22 <sup>s</sup>	17'3703	7'6810				734	5*	12'7823	21'8856	5	12'7900	9'9268	
677	13	17'5339	19'0759	8	17'5208	7'0880				735	4*	13'2593	21'3377	4*	13'2642	9'3741	
678	4*	17'8868	19'6113	3	17'8786	7'6201				736	50 <sup>s</sup>	13'2675	21'6039	36 <sup>s</sup>	13'2710	9'6414	70 73 9'2
679	47 <sup>s</sup>	18'0453	19'2986	28 <sup>s</sup>	18'0365	7'3045	70°	82	9'2	737	16 <sup>s</sup>	14'5462	21'2501	11	14'5498	9'2793	
680	11	18'0468	19'8917	10	18'0403	7'8997				738	4*	14'8193	21'6007	4*	14'8279	9'6283	
681	6	18'0678	19'0511	5	18'0538	7'0595				739	20	17'1027	21'1216	11	17'1054	9'1340	
682	6	18'1312	19'7784	5	18'1234	7'7857				740	5*	17'6008	21'8106	4*	17'6109	9'8193	
683	11	19'2155	19'8144	9	19'2199	7'8142				741	29 <sup>s</sup>	19'8210	21'5691	22 <sup>s</sup>	19'8254	9'5630	
684	5*	19'3837	19'5992	6*	19'3759	7'5963				742	6*	20'1493	21'0388	4*	20'1509	9'0298	
685	4	19'7162	19'3493	3*	19'7044	7'3433				743	20	20'4789	21'9933	15 <sup>s</sup>	20'4847	9'9823	
686	6	19'7290	19'8616	6	19'7197	7'8586				744	6	21'5550	21'1404	5*	21'5586	9'1232	
687	6	19'8163	19'7270	6	19'8097	7'7210				745	5	22'2584	21'2043				
688	27 <sup>s</sup>	19'9202	19'7208	21 <sup>s</sup>	19'9132	7'7144				746	64 <sup>s</sup>	22'6575	21'1301	49 <sup>s</sup>	22'6580	9'1047	70 88 8'2
689	7	20'0873	19'7387	6	20'0788	7'7318				747	20	24'1055	21'2926	14	24'1096	9'2576	
690	5	20'2042	19'0795	4*	20'1955	7'0693				748	19	3'7485	22'7379	18	3'7605	10'8398	
691	6	20'8705	19'6123	5*	20'8609	7'6003				749	7*	3'8598	22'2452	6	3'8706	10'3443	
692	5*	21'4711	19'3246	4*	21'4630	7'3087				750	12	7'4919	22'6723	10	7'5048	10'7486	
693	13	23'5323	19'5036	8	23'5238	7'4758				751	10	7'9062	22'1229	6	7'9130	10'1961	
694	10†	23'5687	19'6880	7*	23'5609	7'6583				752	21 <sup>s</sup>	9'9042	22'1776	15	9'9115	10'2390	
695	38 <sup>s</sup>	24'9012	19'2529	35 <sup>s</sup>	24'8911	7'2144	70°	93	9'5	753	8†	10'4782	22'1945	5	10'4855	10'2483	
419	5*	2'6681	20'9472	4†	2'6702	9'0564				754	4*	10'9062	22'5237	4	10'9145	10'5754	
696	12	3'3660	20'6617	8	3'3638	8'7671				755	10	11'1389	22'8776	11	11'1515	10'9280	
697	38 <sup>s</sup>	5'3803	20'8805	27 <sup>s</sup>	5'3804	8'9725	70°	62	8'8	756	9	11'9572	22'5753	6	11'9668	10'6205	
698	5*	5'5763	20'2524	4*	5'5727	8'3400				757	17 <sup>s</sup>	12'2234	22'0545	12 <sup>s</sup>	12'2319	10'0988	
699	6	5'8770	20'4950	5	5'8771	8'5803				758	22 <sup>s</sup>	12'5383	22'4542	18 <sup>s</sup>	12'5485	10'4978	
700	4*	7'5013	20'8812	4	7'5013	8'9588				759	5*	14'0514	22'9882	4	14'0670	11'0188	
701	37 <sup>s</sup>	9'9209	20'7782	29 <sup>s</sup>	9'9213	8'8386	70°	69	9'4	760	4*	14'4893	22'8872	4	14'5026	10'9190	
702	16 <sup>s</sup>	10'1054	20'9318	9	10'1061	8'9900				761	26 <sup>s</sup>	14'8909	22'1401	20 <sup>s</sup>	14'9001	10'1686	70 79 9'5
703	29 <sup>s</sup>	13'4414	20'5982	20 <sup>s</sup>	13'4397	8'6353	70°	74	9'5	762	10	15'0263	22'8322	9	15'0385	10'8580	
704	5*	14'3893	20'3934	4	14'3874	8'4254				763	5*	15'0993	22'7720	3	15'1097	10'7970	
705	4*	14'6792	20'8292	3	14'6783	8'8590				764	44 <sup>s</sup>	15'6800	22'8789	33 <sup>s</sup>	15'6907	10'9003	70 80 9'0
706	27 <sup>s</sup>	14'8437	20'5095	19 <sup>s</sup>	14'8608	8'5369				765	5*	16'0193	22'1732	4	16'0293	10'1913	
707	3*	15'1646	20'2954	3*	15'1604	8'3193				766	21 <sup>s</sup>	16'6909	22'8936	18 <sup>s</sup>	16'7049	10'9093	
708	22 <sup>s</sup>	15'5247	20'9830	18 <sup>s</sup>	15'5250	9'0065				767	9	17'5058	22'1617	9	17'5119	10'1703	
709	18 <sup>s</sup>	15'6870	20'9285	13	15'6879	8'9503				768	5*	17'7003	22'0729	4	17'7100	10'0800	
710	11	16'5943	20'9189	6	16'5926	8'9343				769	4*	18'2135	22'1973	3*	18'2224	10'1996	
711	22	16'7704	20'3749	14 <sup>s</sup>	16'7675	8'3893				770	5*	19'1808	22'8692	4*	19'1909	10'8683	
712	6	19'5601	20'5457	5	19'5566	8'5439				771	4*	19'7685	22'7996	4†	19'7791	10'7911	
713	3*	19'7997	20'6696	3†	19'7963	8'6678				772	16	19'8792	22'3157	13	19'8890	10'3093	
714	20 <sup>s</sup>	19'9201	20'3814	16 <sup>s</sup>	19'9173	8'3748				773	12	20'6217	22'6270	9	20'6322	10'6154	
715	9	20'1591	20'5134	7	20'1563	8'5085				774	20	21'9363	22'1261	16	21'9430	10'1056	
716	8*	20'5883	20'0312	8	20'5824	8'0203				775	17	22'1600	22'2676	11	22'1671	10'2461	
717	16	20'6605	20'8299	11	20'6603	8'8199				776	32 <sup>s</sup>	22'6201	22'7522	24 <sup>s</sup>	22'6310	10'7280	
718	10	21'3551	20'8561	7	21'3539	8'8411				777	14†	24'6635	22'9562	18	24'6772	10'9191	
719	62 <sup>s</sup>	21'5400	20'9395	43 <sup>s</sup>	21'5398	8'9233	70°	87	7'8	778	35 <sup>s</sup>	24'8869	22'4389	29 <sup>s</sup>	24'8958	10'3999	
720	12	21'7387	20'3255	8	21'7333	8'3094				779	22	25'2905	22'2541	15	25'2993	10'2128	
721	34 <sup>s</sup>	25'3068	20'9060	24	25'3055	8'8661				780	51 <sup>s</sup>	25'9715	22'1227	33 <sup>s</sup>	25'9795	10'0762	70 94 9'5
722	6*	3'2163	21'9887	5*	3'2246	10'0963				781	4*	3'0704	23'5912	5*	3'0898	11'6983	

1 réseau interval represents very nearly 5' = 58'·5 at Dec. + 70°, and 61'·4 at Dec. + 71°.



## ZONE + 70°.

B. D.							B. D.						
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .
R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°							Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +70°						
Plate 4095. 1898, Aug. 19.							Plate 4095. 1898, Aug. 19.						
R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°							R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°						
Plate 3303. 1896, Nov. 6.							Plate 3303. 1896, Nov. 6.						
782	14*	3.9688	23.7202	11	3.9861	11.8214	840	4*	12.0403	25.3082	3	12.0700	13.3511
783	9*	5.8377	23.6557	13	5.8568	11.7428	841	30§	13.0340	25.5150	19	13.0650	13.5526
784	14*	5.8388	23.6592	27§	8.2590	12.0568	842	4*	13.8808	25.4182	3	13.9120	13.4509
785	33§	8.2381	23.9870	8	9.9093	11.5890	843	28§	14.1668	25.6918	16	14.1984	13.7231
786	28§	9.9475	23.9397	18§	9.9660	11.9988	844	4*	15.5783	25.0658	3	15.6073	13.0870
787	10	10.9205	23.6635	8	10.9383	11.7165	845	4*	17.0603	25.1512	3†	17.0870	13.1622
788	4*	13.5665	23.1848	4*	13.5817	11.2188	846	30§	17.1221	25.7944	20§	17.1545	13.8043
789	4*	15.2603	23.6482	3	15.2786	11.6714	847	4*	17.3576	25.6807	3	17.3885	13.6935
790	3*	16.1123	23.3179	2*	16.1264	11.3335	848	7*	18.8742	25.5647	5	18.9068	13.5660
791	13	16.2739	23.8554	7	16.2937	11.8733	849	25	22.2092	25.2128	15	22.2345	13.1908
792	12	16.2808	23.8542	8	16.2997	11.8705	850	32§	22.5752	25.1394	21	22.6025	13.1131
793	8	16.4892	23.6974	5	16.5083	11.7139	851	38§	23.5519	25.2135	21	23.5809	13.1818
794	5*	17.2978	23.4109	4	17.3133	11.4198	R.A. 1 <sup>h</sup> 11 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup>						
795	16§	18.2492	23.1098	10	18.2635	11.1133	Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. +70°						
796	16	18.6386	23.2559	9	18.6544	11.2578	Plate 2378. 1894, Nov. 21.						
797	19	20.2004	23.6218	11	20.2175	11.6126	R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°						
798	16	21.2301	23.3681	11	21.2470	11.3504	Plate 1678. 1893, Dec. 8.						
799	30§	21.3188	23.6883	18	21.3370	11.6711	852	15	5.6978	14.3422			
800	16†	22.8376	23.5817	11	22.8546	11.5561	853	13	9.2298	14.5547	5*	5.1505	2.7757
801	10†	23.1150	23.2957	9	23.1311	11.2694	854	36§	10.7510	14.8414	44§	6.6775	3.0380
802	41§	2.5229	24.5777	24§	2.5498	12.6853	855	3	10.9252	14.0225			
803	58§	5.1678	24.3508	41§	5.1900	12.4419	856	7	11.4783	14.2105	3*	7.3972	2.3936
804	22	5.8845	24.8950	14	5.9113	12.9813	857	6	11.7084	14.2258			
805				4	6.3208	12.6439	858	21	12.6537	14.1401	20	8.5693	2.3046
806	3*	7.6578	24.7962	3*	7.6824	12.8698	859	7	14.2031	14.9018	3*	10.1320	3.0372
807	19	8.1531	24.0816	12	8.1741	12.1521	860	22	14.7047	14.4698	21	10.6257	2.5952
808	8*	8.4420	24.4822	6	8.4670	12.5521	861	50§	15.7283	14.3988	53§	11.6463	2.5046
809	4*	8.6310	24.8640	4*	8.6564	12.9299	862	6†	15.7631	14.0404	3*	11.6754	2.1482
810	10	8.7626	24.4934	7	8.7869	12.5617	863	13	16.6329	14.1567	8	12.5489	2.2486
811	17	9.9555	24.4732	10	9.9790	12.5325	864	54§	17.6121	14.7165	60§	13.5371	2.7887
812	5*	10.4075	24.7342	4†	10.4313	12.7921	865	21§	18.8349	14.9423	24	14.7642	2.9965
813	49§	10.9325	24.3953	38§	10.9573	12.4484	866	13	22.8972	14.1489	5*	18.8110	2.1318
814	4*	11.2549	24.3582	3*	11.2801	12.4083	867	4	6.3435	15.4562			
815	13	13.7097	24.4666	7	13.7323	12.5003	868	11	8.0621	15.1198			
816	4*	14.9388	24.5362	3	14.9600	12.5608	869	17	8.7631	15.9480	8	4.7104	4.1821
817	4*	15.9408	24.4962	3*	15.9669	12.5153	870	6	9.3759	15.5915	2*	5.3134	3.8101
818	4*	16.2209	24.5212	3	16.2432	12.5382	871	6	9.6495	15.0178			
819	17	16.2386	24.9337	9	16.2644	12.9513	872	3	9.7404	15.1822			
820	6*	16.4298	24.0912	4	16.4505	12.1088	873	25§	10.3205	15.1144	26	6.2518	3.3166
821	9	18.3808	24.8762	7	18.4062	12.8763	874	6	10.8314	15.3293	3†	6.7670	3.5247
822	26§	19.1775	24.8962	17§	19.2043	12.8945	875	3	11.1567	15.5635			
823	16	19.2277	24.9890	13	19.2530	12.9878	876	9	15.5386	15.1720	6	11.4714	3.2844
824	9*	19.2356	24.9742	7	19.2619	12.9690	877	43§	16.8147	15.0643	46§	12.7465	3.1509
825	11	19.5018	24.9565	9	19.5285	12.9518	878	3	16.8879	15.9840	2*	12.8336	4.0727
826	25§	19.6888	24.8742	17	19.7132	12.8695	879	36§	10.3340	16.6896	42§	6.2935	4.8937
827	7*	20.5493	24.0872	6	20.5716	12.0738	880	11	11.0235	16.3104	8	6.9765	4.5017
828	22	21.0370	24.3668	15	21.0585	12.3520	881	3	12.5524	16.9960	2*	8.5178	5.1616
829	3*	22.1394	24.8282	4*	22.1687	12.8082	882	9	16.5999	16.5617	6	12.5569	4.6557
830	5*	24.7528	24.2177	5*	24.7739	12.1783	883	15	17.7088	16.0143	14	13.6558	4.0865
831	16*	4.9582	25.2292	12	4.9853	13.3223	884	3	19.7314	16.7747	2*	15.6917	4.8083
832	4*	6.2093	25.5462	4	6.2388	13.6328	885	8	21.6228	16.3714	6	17.5776	4.3763
833	11†	6.2920	25.2175	8	6.3209	13.3008	886	15	21.9585	16.0445	11	17.9055	4.0423
834	11*	6.3757	25.3161	9	6.4048	13.3991	887	13	7.8062	17.5722	5	3.7834	5.8207
835	9*	7.1526	25.0998	8	7.1807	13.1793	888	4	9.7118	17.6513			
836	10	7.8707	25.4819	7	7.9005	13.5534	889	3*	16.4885	17.5868	2*	12.4616	5.6801
837	26	8.5919	25.7552	17	8.6246	13.8225	890	2*	16.8124	17.5050	2*	12.7870	5.5898
838	11	9.7709	25.8253	8	9.8028	13.8846	891	4*	19.2520	17.9468	2*	15.2360	5.9922
839	18	10.7550	25.7220	12	10.7843	13.7765	892	14	19.3479	17.1497	11	15.3159	5.1934

Nos. 783, 784. Plate 3303. The images are not separable and are measured as one mass.

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 1 <sup>h</sup> 11 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 1 <sup>h</sup> 11 <sup>m</sup> to 1 <sup>h</sup> 30 <sup>m</sup> —contd.										
Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			Centre R.A. 1 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				
Plate 2378. 1894, Nov. 21.			Plate 1678. 1893, Dec. 8.			Plate 2378. 1894, Nov. 21.			Plate 1678. 1893, Dec. 8.			Plate 2378. 1894, Nov. 21.			Plate 1678. 1893, Dec. 8.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
893	6	20°0765	17°0753	5*	16°0435	5°1051	°	m.	949				2	19°5620	9°4672	°	m.		
894	20	5°3893	18°5764	11	1°3335	6°8679			779	27§	5°0303	22°2107	24	1°0885	10°5061				
895	19	6°8499	18°1405	18	2°8343	6°4063			950	14	9°5841	22°0655	11	5°6372	10°2825				
896	3	7°0625	18°8028						951	2†	10°2708	22°6220	2*	6°3341	10°8277				
897	7	10°3591	18°1803	6	6°3460	6°3835			952	18	14°6649	22°6886	16	10°7307	10°8151				
898	26§	10°6768	18°3641	25	6°6651	6°5609	70	99	9°5	953	8	15°0483	22°3154	6	11°1055	10°4340			
899	3	11°3089	18°3918	2*	7°2993	6°5784			954	12	16°0035	22°9460	11	12°0725	11°0495				
900	4	13°0345	18°8413	2*	9°0341	6°9967			955	16	17°0913	22°1630	8	13°1463	10°2459				
901	58§	15°9347	18°7481	58§	11°9298	6°8521	70	105	8°4	956	6	17°6108	22°2553	3	13°6678	10°3272			
902	7	16°5776	18°3473	6	12°5668	6°4384			957	3*	19°2903	22°5153	3*	15°3520	10°5598				
903	20	16°6709	18°4198	17	12°6609	6°5108	70	106	9°5	958	3*	19°8212	22°5488	3*	15°8821	10°5872			
904	21§	17°6092	18°4966	17	13°6000	6°5723	70	109	9°1	959	3*	22°9480	22°6531	4*	19°0081	10°6332			
905	12	18°1333	18°0878	9	14°1166	6°1543			960	9	23°5631	22°0496	(4*)	19°6132	10°0228				
906	14	19°5624	18°8434	10	15°5597	6°8847			961	7*	23°8600	22°6585	7	19°9237	10°6217				
907	6*	21°6843	18°0372	4*	17°6653	6°0398			962	3*	6°3287	23°4843	2*	2°4096	11°7584				
908	14	22°9988	18°4473	10	18°9875	6°4271			963	3*	6°3510	23°4543	2*	2°4273	11°7266				
909	3	5°7444	19°0691						964	6	6°6371	23°9968	4	2°7271	12°2666				
910	18	9°7657	19°2222	15	5°7710	7°4359	70	97	9°5	965	7	7°0145	23°3760	4*	3°0930	11°6371			
911	2	9°8560	19°8458	2*	5°8727	8°0611			966	15	7°7774	23°6655	12	3°8621	11°9138				
912	38§	10°6957	19°0270	38§	6°6954	7°2210	70	98	9°4	967	20	10°4737	23°4580	17	6°5543	11°6558			
913	104§	12°3790	19°3717	103§	8°3857	7°5355	70	102	6°1	968	25	10°7370	23°3597	22	6°8149	11°5548	70	100	9°4
914	4	13°6364	19°4739	3*	9°6448	7°6171			969	2*	12°2631	23°7058	2*	8°3482	11°8739				
915	31§	20°6177	19°6194	28§	16°6278	7°6415			970	25§	12°8144	23°8080	20§	8°9004	11°9665				
916	16	20°8739	19°9115	8	16°8878	7°9288			971	4	12°9166	23°1546							
917	3	21°0838	19°2400	2*	17°0861	7°2524			972	25§	14°3726	23°1833	22§	10°4473	11°3151				
918	3*	22°8605	19°4773	2*	18°8693	7°4607			973	3	14°5253	23°2323	2†	10°6007	11°3612				
919	9	23°0348	19°6442	7	19°0460	7°6231			974	6*	16°2262	23°0398	5*	12°2978	11°1406				
920	5*	23°1659	19°4087	4†	19°1711	7°3855			975	14	16°2496	23°2793	11	12°3237	11°3774				
921	22	5°3219	20°6486	15	1°3520	8°9411			976	6	17°5209	23°1152	5	13°5939	11°1918				
922	5	7°4765	20°6721	2*	3°5066	8°9282			977	5*	18°0020	23°4108	4*	14°0785	11°4812				
923	7	8°1103	20°0758	5	4°1294	8°3164			978	35§	18°7364	23°2117	30§	14°8094	11°2659	70	110	8°8	
924	10	8°9140	20°7307	4	4°9476	8°9603			979	6	18°8227	23°5772	6	14°9028	11°6315				
925	5	9°3185	20°6885	2*	5°3494	8°9123			980	27	19°6568	23°0875	24	15°7289	11°1267	70	111	9°5	
926	7	9°4498	20°4850	4	5°4774	8°7030			981	4†	19°7843	23°4173	4*	15°8736	11°4555				
927	6	10°6905	20°2804	4†	6°7141	8°4765			982	10	8°3689	24°7511	9	4°4719	12°9905				
928	2*	10°6923	20°0524	2*	6°7124	8°2489			983	6	10°9284	24°5573	4	7°0260	12°7492				
929	13	11°8118	20°8960	10	7°8447	9°0715			984	3*	13°3940	24°2014	4*	9°4886	12°3521				
930	6	11°8637	20°8265	4	7°8980	9°0013			985	7	14°3894	24°5724	7	10°4873	12°7055				
931	3	14°6247	20°7165	4	10°6556	8°8435			986	4*	18°6582	24°7457	4	14°7581	12°8046				
932	23§	15°5926	20°8038	24	11°6241	8°9153	70	104	9°0	987	5	18°7101	24°5595	5	14°8064	12°6162			
933	4†	17°2832	20°9401	4*	13°3189	9°0232			988	12	20°3000	24°1243	12	16°3893	12°1520				
934	6	17°6046	20°0183	4	13°6239	8°0929			989	60§	23°4954	24°0681	42§	19°5840	12°0370	70	117	9°2	
935	3	17°7008	20°3965	2*	13°7261	8°4665			990	5*	9°0032	25°4121	7	5°1161	13°6395				
936	7	20°7910	20°8043	6	16°8223	8°8244			991	16	17°0210	25°7203	14	13°1394	13°8057				
937	41§	22°6601	20°0083	35§	18°6776	7°9943	70	114	9°5	992	21	17°2523	25°2281	16	13°3622	13°3094			
938	5	23°1122	20°8566	5	19°1458	8°8357			993	19	20°4771	25°6492	20	16°5449	13°6742				
939	14	5°4200	21°9930	6	1°4749	10°2831			994				4	17°6310	13°4036				
940	32§	6°0853	21°8038	33§	2°1351	10°0826	70	94	9°5	R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup>									
941	20	7°6460	21°8793	18	3°6969	10°1316			Centre R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. +70° R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°										
942	22§	8°7145	21°4730	21	4°7585	9°7056	70	95	9°5	Plate 2379. 1894, Nov. 21. Plate 1678. 1893, Dec. 8.									
943	13	11°0483	21°8447	11	7°0985	10°0370			995	11	6°1101	14°0856				°	m.		
944	3	11°1989	21°4489	2*	7°2431	9°6359			996	5	6°2682	14°3045							
945	4	11°6034	21°3169	4*	7°6438	9°4962			997	19§	7°2703	14°7839	10*	23°6048	2°9213				
946	20	12°6694	21°8652	19	8°7208	10°0280	70	103	9°5	998	27§	5°3231	15°2779	28	21°6300	3°2847			
947	7	13°2714	21°6663	4	9°3175	9°8169			999	21§	5°5084	15°0537	14	21°8293	3°0729				
948	3	14°0635	21°3351	2*	10°1047	9°4692			1000	21§	6°7585	15°0756	17	23°0775	3°1770				
949	3	14°3477	21°9277	2*	10°3998	10°0607													
950	44§	17°4997	21°2584	46§	13°5389	9°3334	70	108	8°5										
951	10	19°7593	21°4339	8	15°8027	9°4691													

No. 960. Plate 1678. The 6<sup>min</sup>. image coincides with a fault in the plate.  
The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 58°5 at Dec. + 70°, and 61°4 at Dec. + 71°.



Z O N E + 70°.

R.A. 1 <sup>h</sup> 30 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> —contd.										R.A. 1 <sup>h</sup> 36 <sup>m</sup> to 1 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre		R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°					Centre		R.A. 1 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. +71°					
Plate 2379. 1894, Nov. 21.					Plate 1678. 1893, Dec. 8.					Plate 2379. 1894, Nov. 21.					Plate 1722. 1893, Dec. 30.					
No.	Diam.	x.	y.	Diam.	x.	y.			No.	Diam.	x.	y.	Diam.	x.	y.			No.	Mag.	
1001	1348	9'1115	15'4108	1638	25'4056	3'6624	69° 114	m.	1054	8	21'7472	17'9063	4*	13'6465	5'7816					
1002	10	4'9265	16'1120	5*	21'1819	4'0943		5'2	1055	478	23'4294	17'6200	408	15'3179	5'4374	70° 145	9'0			
1003	8	6'3485	16'8465						1056	18	23'9038	17'6386	9	15'7928	5'4410					
1004	14	8'3275	16'6744	7*	24'5394	4'8743			1057	6	10'0867	18'3621								
1005	8	5'0405	18'2489	6	21'1558	6'2347			1058	568	10'4566	18'7602	588	2'3904	7'0223	70° 124	8'6			
1006	238	7'5680	18'7823	27	23'6408	6'9269			1059	268	12'3178	18'8952	24	4'2566	7'0942	70° 130	9'5			
1007	4	7'8215	18'6368						1060	16	12'6625	18'6146	6	5'5930	6'8036					
1008	6	8'5680	18'2210						1061	7	15'4408	18'6319	3*	7'3735	6'7227					
1009	6	9'1374	18'2966						1062	14	21'9296	18'9998	7	13'8669	6'8707					
1010	8	8'8593	19'7923						1063	12	22'3733	18'9449	6	14'3071	6'7997					
1011	15	9'4859	20'6528	8*	25'4370	8'9198			1064	578	23'9170	18'2224	448	15'8269	6'0235	70° 146	8'8			
1012	348	9'5143	20'5455	458	25'4723	8'8151	70° 123	9'3	1065	16	10'2968	19'4826	4*	2'2578	7'5508					
1013	21	5'3579	21'9815	198	21'2277	9'9778	70° 118	9'3	1066	18	12'0485	19'9788	11	4'0258	8'1890	70° 129	9'5			
1014	5	8'6857	21'2469						1067	11	19'7891	19'8239	6	11'7554	7'7675					
1015	428	5'5702	22'7741	388	21'3900	10'7824	70° 119	9'2	1068	9	20'0308	19'1921	5	11'9753	7'1282					
1016	15	7'3409	22'3721	11	23'1831	10'4974	70° 122	9'5	1069	11	22'4227	19'0978	6	14'3626	6'9508					
1017	8	9'8678	22'1063						1070	7*	23'3558	19'7647	5*	15'3175	7'5848					
1018	19	5'7637	23'4450	17	21'5387	11'4652			1071	14	23'4014	19'7938	6	15'3636	7'6128					
1019	19	5'9092	23'3117	16	21'6917	11'3410			1072	4	10'5533	20'7409								
1020	288	6'8332	23'0315	25	22'6332	11'1238	70° 120	9'5	1073	488	11'3516	20'5549	538	3'3478	8'7843	70° 127	8'5			
1021	288	6'8680	23'3267	268	22'6472	11'4196			1074	4	11'5805	20'6638								
1022	458	7'3447	24'4569	358	23'0517	12'5758	70° 121	9'1	1075	3	12'8394	20'3782								
1023	248	8'1315	24'2747	21	23'8482	12'4484			1076	6	17'3263	20'8306								
1024	18	8'0743	25'1745	10	23'7321	13'3423			1077	10	18'6394	20'4239	4	10'6285	8'4055					
										1078	8	19'9605	20'0115	2*	11'9336	7'9507				
										1079	5†	20'5320	20'9860	5*	12'5376	8'9035				
										1080	6	20'6951	20'6483	4	12'6887	8'5590				
										1081	208	22'2150	20'3240	14	14'1972	8'1838				
										1082	12	22'8628	20'7348	8	14'8576	8'5710				
										1083	17	14'1973	21'8311	6	6'2382	9'9658				
										1084	268	18'7755	21'9818	20	10'8169	9'9562				
										1085	3*	20'5520	21'6341	2*	12'5795	9'5469				
										1086	17	21'2869	21'0223	10	13'2937	8'9128				
										1087	498	23'0685	21'3420	318	15'0851	9'1718	70° 144	9'0		
										1088	9	12'5296	22'9468							
										1089	338	13'2955	22'3533	26	5'3485	10'4156	70° 132	9'4		
										1090	358	17'5988	22'6589	228	9'6643	10'6743	70° 136	9'1		
										1091	19	11'8474	23'4700	7	3'9455	11'6831				
										1092	12	21'1893	23'0960	7	13'2690	10'9903				
										1093	6*	21'3998	23'3406	3	13'4849	11'2256				
										1094	16	11'1989	24'9410	7	3'3462	13'1789	70° 126	9'5		
										1095	7	14'2878	24'5327	4*	6'4217	12'6614				
										1096	11	14'6013	24'7442	4*	6'7405	12'8629				
										1097	4	15'1648	24'1621	3*	7'2850	12'2620				
										1098	8	16'1401	24'1786	3*	8'2589	12'2441				
										1099	16	17'2036	24'9215	11	9'3470	12'9513				
										1100	22	18'3585	24'1627	16	10'4745	12'1535				
										1101	14	18'9768	24'1667	11	11'0933	12'1353				
										1102	4*	21'9401	24'2510	2*	14'0586	12'1156				
										1103	5*	22'1587	24'7943	4	14'2962	12'6539				
										1104	13	22'5117	24'5503	12	14'6390	12'3945				
										1105	6	10'7606	25'0932	2*	2'9099	13'3407				
										1106	16	11'1682	25'0570	8†	3'3198	13'2932				
										1107	12	11'4247	25'5695	6†	3'5925	13'7967				
										1108	6*	12'2685	25'6496	2*	4'4364	13'8459				
										1109	2*	17'9435	25'8156	2	10'1165	13'8192				
										1110	5†	19'5564	25'5874	4	11'7204	13'5343				
										1111	20	19'6753	25'4869	16	11'8349	13'4304	70° 142	9'5		
										1112	5*	18'2432	25'4731	4	10'4066	13'4651				

1 *réseau* interval represents very nearly  $5' = 58^s.5$  of R.A. at Dec.  $+70^\circ$ , and  $61^s.4$  at Dec.  $+71^\circ$ .

## ZONE + 70°.

R.A. 1 <sup>h</sup> 50 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup>							R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup>						
Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 1718. 1893, Dec. 29.			Plate 1722. 1893, Dec. 30.				Plate 1718. 1893, Dec. 29.			Plate 3711. 1897, Nov. 13.			
No.	Diam.	z.	y.	Diam.	z.	y.	No.	Diam.	z.	y.	Diam.	z.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
1113	9	7.2213	14.7403				1167	2*	14.4664	14.0048	6*	2.0727	2.3020
1114	21	9.3746	14.9462	15*	21.6871	3.0291	1168	48§	14.5987	14.6009	80§	2.2306	2.8882
1115	5	9.7267	14.7330				1169	6	17.2677	14.1351	12	4.8677	2.2963
1116	4†	11.0885	14.2043				1170	8	17.3155	14.5115	15	4.9427	2.6691
1117	28§	11.9625	14.0706	31	24.3150	2.2821	1171	8	18.7773	14.3735	18	6.3978	2.4559
1118	9	12.9778	14.5105				1172	2*	19.0500	14.8949	7	6.6914	2.9615
1119	5	4.6665	15.8950	4†	16.9398	3.7467	1173				12	8.6354	2.9433
1120	9	6.2205	15.2193	4*	18.5258	3.1451	1174	51§	22.1225	14.4442	67§	9.7386	2.3589
1121	8	8.7683	15.2371				1175				5	10.5007	2.5497
1122	35§	9.5898	15.5556	44	21.8718	3.6482	1176				7	11.4615	2.7549
1123	14	9.6864	15.4386	5*	21.9770	3.5350	1177	5	17.6152	14.8704	12	5.2608	3.0123
1124	6	10.2755	15.0828				1178	17	19.3200	15.8479	27§	7.0110	3.8997
1125	5†	10.6591	15.8092				1179	16	19.9251	15.2717	23§	7.5864	3.2947
1126	48§	12.5764	15.3408	68§	24.8668	3.5809	1180	3*	20.2971	15.2458	11	7.9570	3.2533
1127	4	13.1622	15.7123				1181				4	9.5755	3.2757
1128	13	4.2001	16.4606	8†	16.4421	4.2867	1182				6	10.8486	3.8796
1129	6†	4.6653	16.3715	3*	16.9124	4.2238	1183				5	2.7445	4.2436
1130	30§	4.9157	16.0250	31§	17.1813	3.8852	1184	22	16.5390	16.5256	41§	4.2676	4.7163
1131	34§	5.0663	16.4235	30§	17.3124	4.2904	1185	3	19.9630	16.1253	13	7.6679	4.1443
1132	32§	5.0723	16.9863	30§	17.2882	4.8536	1186	3*	21.0394	16.6813	11	8.7698	4.6495
1133	6	8.5404	16.4976	4*	20.7773	4.5398	1187				3	8.8967	4.3333
1134	7	12.2578	16.5781				1188				10	10.4609	4.7369
1135	47§	13.2122	16.2996	68§	25.4575	4.5704	1189	5	16.1194	17.3510	10	3.8915	5.5655
1136	37§	4.3018	17.4731	30§	16.4951	5.3023	1190	4*	16.8118	17.4231	12	4.5853	5.5998
1137	16	5.2533	17.2810	14	17.4559	5.1572	1191	2*	18.8218	17.1352	6	6.5788	5.2094
1138	20	5.5694	17.9059	18	17.7399	5.7959	1192				3	7.8305	5.3617
1139	10	6.6316	17.8153	6†	18.8062	5.7619	1193				6	8.2260	5.3279
1140	8	13.5571	17.7617				1194	10	20.9047	17.2248	22	8.6615	5.1946
1141	6	4.1127	18.9311	6	16.2360	6.7483	1195	2*	21.0165	17.7498	8	8.7985	5.7164
1142	4	11.2398	18.8016				1196	4*	21.3583	17.8603	15	9.1487	5.8100
1143	4†	11.8516	18.4995	51§	23.9863	6.6997	1197				5	9.6337	5.0678
1144	12	11.8708	18.8728	5*	23.9875	7.0765	1198				3	10.1088	5.3475
1145	5†	4.4047	19.5754	5	16.4936	7.4059	1199				10	10.4763	5.1519
1146	20	6.3816	19.7863	18	18.4575	7.7159	1200				7	11.1453	5.5277
1147	137§	7.6899	19.1354	125§	19.7987	7.1284	1201				8	11.7024	5.9578
1148	8	8.7035	19.1707	6*	20.8108	7.2152	1202	2*	19.5395	18.4698	8	7.3632	6.5092
1149	27	4.2368	20.0967	21	16.3030	7.9206	1203				2	7.7072	7.1765
1150	4†	9.4038	20.8961				1204				4	10.3084	6.7739
1151	30§	4.3794	21.3585	22§	16.3817	9.1881	1205				6	2.7078	7.1800
1152	16	6.8934	21.7152	10	18.8759	9.6669	1206	18	14.8865	19.4200	31§	2.7625	7.6895
1153	9	10.1620	21.5136	7*	22.1480	9.6299	1207				6	4.7511	7.4809
1154	6	13.6658	21.4294				1208	3*	20.4970	19.1263	12	8.3480	7.1151
1155	31§	6.5430	22.6726	22	18.4784	10.6059	1209				6	11.1264	7.2593
1156	62§	10.0023	22.7851	58§	21.9232	10.8885	1210	16	23.8898	19.5106	25§	11.7574	7.3294
1157	40§	12.2491	22.4491	42§	24.1864	10.6652	1211				4	11.9189	7.3492
1158	45§	8.3811	23.8219	38§	20.2533	11.8456	1212	20	14.1090	20.1125	29§	2.0213	8.4204
1159	18	8.6108	23.9670	16	20.4763	12.0025	1213				15	6.7512	8.3980
1160	12	8.9995	23.5666	11	20.8839	11.6199	1214				5	7.5375	8.3411
1161	6	11.5564	23.5177	4*	23.4409	11.6993	1215				7	9.0753	8.0530
1162	24	10.1870	24.0704	23	22.0448	12.1835	1216				8	11.2438	8.0980
1163	14	12.8169	24.6188	9	24.6438	12.8604	1217	3*	15.0665	20.8898	8	3.0163	9.1521
1164	10	13.2850	24.3573	6*	25.1239	12.6271	1218	15	15.2683	21.6873	27§	3.2574	9.9358
1165	9	5.7852	25.6865	10	17.5715	13.5777	1219				4	3.3055	9.9333
1166	7*	13.1702	25.3841	5*	24.9580	13.6436	1220				6	5.1041	9.3547
							1221	4*	18.3101	21.0903	15	6.2650	9.1856
							1222				4	7.1667	9.8599
							1223				7	9.0418	9.6973
							1224				6	11.3970	9.4422
							1225	5*	14.4635	22.5572	17	2.4978	10.8459



## ZONE + 70°.

R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 1718. 1893, Dec. 29.				Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.				Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4115. 1898, Sept. 20.				Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
1226	2*	14.6430	22.4331	11	2.6730	10.7114	o m.	1279				4	13.3087	4.2563	o m.
1227				5	3.3578	10.8987		1280	7	6.7033	16.3377	9	14.8205	4.2718	
1228	25	16.5250	22.3483	33§	4.5447	10.5338		1281	10	8.1358	16.5154	15	16.2467	4.4969	
1229	2*	16.6703	21.8478	10*	4.6619	10.0302		1282	9	8.4885	16.9290	15	16.5849	4.9226	
1230	3*	17.1880	22.5851	12	5.2190	10.7361		1283	3*	8.7090	16.7863	4*	16.8114	4.7848	
1231				3	6.7235	10.3237		1284	14	8.9422	16.3345	19	17.0593	4.3433	
1232				3	6.7856	10.7189		1285	12	9.1501	16.0953	16	17.2743	4.1125	
1233				7	7.2146	10.7199		1286	3*	9.5741	16.4452	6	17.6864	4.4763	
1234				7	8.4887	10.7420		1287	14	11.4501	16.4959	19	19.5598	4.5913	
1235				4	9.9019	10.5574		1288	3*	11.9122	16.4580	6	20.0250	4.5708	
1236	41	22.3592	22.6768	44§	10.3867	10.5688	70 167 8.9	1289	13	14.2115	16.7879	18	22.3109	4.9778	
1237				5	11.3565	10.4094		1290	3*	14.2274	16.6705	5*	22.3284	4.8619	
1238				4	2.3485	11.4414		1291	46§	14.3781	16.6071	50§	22.4809	4.8031	70 177 8.5
1239	34§	14.5912	23.0915	52§	2.6510	11.3717	70 164 9.0	1292	7	14.7626	15.8986	9	22.8930	4.1085	
1240				4	5.4774	11.8230		1293	3*	15.2775	16.7157	3*	23.3798	4.9393	
1241	15	18.5312	23.8170	24	6.6225	11.9020	70 166 9.2	1294	7	15.4154	15.9995	8*	23.5404	4.2298	
1242				2	8.0760	11.7884		1295	44§	17.0190	16.2267	62§	25.1353	4.5105	69 153 8.9
1243				4	9.4015	11.6537		1296	33§	17.2108	16.4161	56§	25.3214	4.7076	70 180 9.4
1244	25	22.4655	23.8929	31§	10.5556	11.7784	70 168 9.5	1297	8	17.2208	16.1418	12*	25.3402	4.4350	
1245				6	11.2473	11.9249		1298	3*	10.6590	17.1550	5	18.7474	5.2208	
1246				7	2.4495	12.4610		1299	3*	12.7303	17.8462	5*	20.7955	5.9858	
1247				4	3.9050	12.8590		1300	23§	12.9760	17.4487	27§	21.0503	5.5948	70 175 9.5
1248				11	4.3823	12.2196		1301	22§	13.2975	16.8651	27§	21.3919	5.0223	
1249				8	6.4524	12.3933		1302	9	13.6927	17.0755	11	21.7827	5.2498	
1250				9	6.9745	12.2046		1303	4	13.7735	17.2298	8	21.8596	5.4015	
1251	23	18.9903	23.9650	36§	7.0873	12.0235		1304	3*	14.7990	17.3132	4*	22.8799	5.5228	
1252				5	8.3175	12.4674		1305	3	17.1705	17.3470				
1253	5*	21.9835	24.5196	20§	10.1022	12.4276		1306	9	5.9868	18.7728	9	14.0193	6.6828	
1254				8	10.3105	12.3373		1307	6	8.4905	18.6442	8	16.5303	6.6393	
1255	21	14.1724	25.2289	40§	2.3393	13.5312	70 162 9.2	1308	3*	9.4677	18.1247	4*	17.5214	6.1496	
1256				4	3.1486	13.4861		1309	4	10.5033	18.6303	6	18.5414	6.6958	
1257				9	3.6691	13.3441		1310	13	13.1495	17.9678	20§	21.2078	6.1508	
1258				10	8.9418	13.1143		1311	9	13.4207	18.6149	15	21.4585	6.7772	
1259	6*	21.7465	25.3714	23§	9.9108	13.2907		1312	2*	13.7403	18.5422	3*	21.7768	6.7168	
1260	5*	21.7385	25.8609	21	9.9261	13.7764		1313	4*	13.8877	18.3932	5	21.9310	6.5690	
R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup>								1314	11	13.9697	18.7198	11	22.0023	6.9008	
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4115. 1898, Sept. 20.				Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.				1315	10	14.6765	17.9395	18	22.7339	6.1445	
1261	7	4.5267	14.8326	8	12.6955	2.6926		1316	9	15.1018	18.0755	15	23.1580	6.2945	
1262	27§	5.8592	14.3140	36§	14.0432	2.2199		1317	9	15.5200	18.2903	14	23.5670	6.5231	
1263	5†	6.9844	14.1389	5	15.1756	2.0871		1318	4	15.6183	18.0458	7	23.6724	6.2824	
1264	3*	11.3361	14.6764	6	19.5079	2.7683		1319	10	15.7372	18.7035	23	23.7698	6.9430	
1265	27§	11.9380	14.7533	34§	20.1053	2.8643		1320	7	17.2995	17.7950	9	25.3640	6.0900	
1266	5	12.4974	14.2961	6*	20.6811	2.4272		1321	9	4.7950	19.2302	10	12.8132	7.0970	
1267	22	13.0680	14.7172	34	21.2385	2.8683		1322	2*	4.8068	19.3026	3*	12.8237	7.1714	
1268	6	4.3499	15.2734	7	12.5054	3.1293		1323	7	5.1941	19.1589	7	13.2175	7.0413	
1269	3*	5.5580	15.8877	3*	13.6889	3.7819		1324	8	6.2694	19.4997	9	14.2805	7.4181	
1270	8	5.6430	15.2846	10	13.7973	3.1828		1325	7	6.7336	19.7337	8	14.7360	7.6659	
1271	3*	7.2728	15.2161	4	15.4293	3.1697		1326	34§	7.1907	19.7376	38§	15.1925	7.6877	
1272	27§	8.9070	15.5038	30	17.0503	3.5125		1327	25§	8.8604	19.5631	30§	16.8670	7.5700	70 171 9.3
1273	31§	10.9333	15.5454	34§	19.0763	3.6232	69 148 9.3	1328	13	9.3253	19.9214	16	17.3189	7.9416	
1274	18	11.5789	15.5857	27§	19.7196	3.6855		1329	4*	9.6481	19.0473	7	17.6717	7.0798	
1275	27§	14.3970	15.7322	41§	22.5312	3.9277		1330	6	9.6561	19.2037	8	17.6735	7.2373	
1276	9	14.6797	14.9725	13	22.8385	3.1789		1331	7	10.8668	19.8264	7	18.8647	7.9003	
1277	8	17.6320	15.3604	8*	25.7803	3.6688		1332	4*	10.9590	19.4962	5	18.9675	7.5725	
1278	28§	4.1700	16.3290	31§	12.2884	4.1773	69 140 9.5	1333	3*	13.2591	19.3779	4	21.2698	7.5334	
								1334	9	13.7191	19.2869	14	21.7309	7.4608	
								1335	3*	14.2661	18.9427	4	22.2897	7.1350	
								1336	24§	14.5084	19.6429	28§	22.5088	7.8392	
								1337	3*	14.6778	19.2067	4*	22.6904	7.4103	

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. +70°, and 61".4 at Dec. +71°.

## ZONE + 70°.

R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 10 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 4115. 1898, Sept. 20.				Plate 3711. 1897, Nov. 13.				Plate 4115. 1898, Sept. 20.				Plate 3711. 1897, Nov. 13.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.							Mag.	No.							Mag.
1338	3*	14.8551	19.5412	4*	22.8619	7.7503		1397	2*	10.7400	24.5647	5	18.5741	12.6303	
1339	3*	15.0625	19.7535	(4)	23.0597	7.9718		1398				3	18.8185	12.7926	
1340	3*	15.2126	19.1029	5*	23.2329	7.3258		1399				4	18.8737	12.6056	
1341	11	15.6386	19.0616	15	23.6590	7.2986		1400				12	19.3278	12.3538	
1342	25§	17.1228	19.3274	39§	25.1343	7.6158	70 179	1401	4*	12.0420	24.2076	5	19.8893	12.3184	
1343	28§	7.2363	20.9773	30§	15.1943	8.9268		1402	40§	12.7088	23.9404	45§	20.5643	12.0745	70 173 9.2
1344	14	8.7496	20.9614	14	16.7084	8.9623		1403	25§	13.2625	24.5103	27§	21.1000	12.6626	
1345	4	12.5915	20.6248	7	20.5616	8.7555		1404	4*	14.2575	24.0147	6	22.1090	12.2013	
1346	6	13.7318	20.6541	7	21.6986	8.8250		1405	16	16.2593	24.1807	16	24.1049	12.4349	
1347	53§	14.2600	19.9708	55§	22.2507	8.1598	70 176	1406	7*	4.3618	25.6222	9	12.1655	13.4703	
1348	4	15.2271	20.7742	5	23.1891	8.9933		1407	10	9.6011	25.1805	11	17.4172	13.2079	
1349	9	15.5008	20.2937	12	23.4811	8.5252		1408				4	17.9140	13.4784	
1350	14	16.9400	20.0190	21	24.9270	8.3000		1409	35§	10.9505	25.7022	38§	18.7464	13.7754	
1351	6	7.2709	21.8705	9	15.1995	9.8206		1410	4*	10.9665	25.1945	4	18.7806	13.2698	
1352	6	8.7975	21.3856	6	16.7409	9.3881		1411	18	12.4895	25.5953	19	20.2903	13.7221	
1353	21§	8.9698	21.0305	22§	16.9255	9.0400		1412	32§	12.8387	25.7438	28§	20.6319	13.8808	70 174 9.4
1354	27§	9.0656	21.8069	25§	16.9940	9.8200		1413	14	13.6391	25.3887	16§	21.4453	13.5525	
1355	15	10.4510	21.7455	15	18.3839	9.8036		1414	10	15.0395	24.8058	12	22.8655	13.0200	
1356	4	12.6695	21.2130	6	20.6183	9.3475		1415	4*	15.7180	25.2662	6	23.5272	13.5028	
1357	6	13.0496	21.2166	8	20.9968	9.3628		1416	5*	16.9690	25.0433	5	24.7840	13.3218	
1358	20§	14.9703	21.1185	24§	22.9193	9.3315		1417	5	17.2181	24.8809	7	25.0415	13.1681	
1359	2*	15.2355	21.3362	4*	23.1775	9.5588		1418	8	17.8797	25.1466	14	25.6918	13.4586	
1360	3*	15.5413	21.3607	3*	23.4841	9.5958		R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup>							
1361	9	16.0498	20.9160	11	24.0045	9.1683		Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
1362	4	6.7131	22.2801	5	14.6292	10.2127		Plate 4115. 1898, Sept. 20.				Plate 3706. 1897, Oct. 31.			
1363	47§	8.0398	22.7362	49§	15.9368	10.7137	70 169	1419	9	18.3006	14.4425	4*	2.0177	2.5330	
1364	19	8.6945	22.8506	17	16.5891	10.8495		1420	21	18.3006	14.7576	21	2.0345	2.8468	
1365	21§	9.8213	22.5300	24§	17.7286	10.5677		1421	26§	19.5590	14.5484	29§	3.2777	2.5594	
1366	4	10.6986	21.9538	4	18.6239	10.0245		1422	3	19.7648	14.4400				
1367	29§	10.7903	22.3979	28§	18.6995	10.4681	70 172	1423	13†	20.7278	14.0350	9	4.4136	1.9755	
1368	3*	11.1095	22.3146	5	19.0223	10.3950		1424	19	21.3681	14.8829	18	5.1048	2.7764	
1369	7	12.1010	22.4838	7	20.0050	10.5971		1425	5	23.8153	14.5056	5*	7.5217	2.2440	
1370	2*	12.6278	22.0598	3*	20.5479	10.1934		1426	3	23.8294	14.9703	4*	7.5677	2.7076	
1371	9	13.0000	22.1272	13	20.9167	10.2728		1427	5	18.4134	15.8802				
1372	23§	15.5503	22.0118	31§	23.4710	10.2436	70 178	1428	11	20.6739	15.4079	9	4.4443	3.3444	
1373	4	15.5951	22.4821	5	23.4990	10.7145		1429	23§	20.7694	15.7222	33§	4.5613	3.6527	
1374	12	16.6179	22.5533	17	24.5179	10.8213		1430	34§	22.2898	15.8062	38§	6.0833	3.6394	69 164 9.4
1375	13	16.9737	22.2446	15	24.8858	10.5254		1431	52§	19.0741	16.4693	60§	2.9135	4.5055	70 184 9.0
1376	4	17.5173	22.5865	5*	25.4180	10.8858		1432	72§	20.1815	16.4769	73§	4.0215	4.4433	70 189 8.2
1377	12	17.8099	21.8577	14	25.7337	10.1701		1433	3*	20.2278	16.9077	3*	4.0982	4.8735	
1378	24	4.7518	23.8469	20§	12.6164	11.7118		1434	7	22.2528	16.4783	7	6.0912	4.3138	
1379	19	7.2033	23.8376	18	15.0663	11.7861		1435	9	22.3615	16.4649	9	6.1981	4.2921	
1380	14	7.3946	23.9585	15	15.2532	11.9133		1436	3	22.8450	16.4620	3*	6.6787	4.2570	
1381	4†	8.6793	23.3358	5	16.5577	11.3327		1437	5	23.6591	16.2594	6	7.4774	4.0045	
1382	4†	8.9325	23.1463	5	16.8180	11.1521		1438	3†	18.7151	17.6093				
1383	6	9.1714	23.6461	7	17.0417	11.6604		1439	3	19.5471	17.8514	3*	3.4780	5.8561	
1384	3*	10.0791	23.8546	4	17.9405	11.8988		1440	8	18.0258	17.6454	7	1.9450	5.7458	
1385	15	8.3745	23.0799	15	18.2610	11.1343		1441	3	18.4397	17.7446	3*	2.3681	5.8170	
1386	17§	11.9695	23.0140	21	19.8582	11.1240		1442	5	19.5835	17.4112	5*	3.4865	5.4147	
1387	17	13.2935	23.3881	21§	21.1695	11.5430		1443	41§	20.8520	17.8076	42§	4.7759	5.7288	70 191 9.0
1388	6	13.6985	23.4044	9	21.5710	11.5720		1444	22§	22.0513	17.6345	24§	5.9625	5.4779	
1389	19	13.7387	23.6350	21§	21.6024	11.8043		1445	11	22.4163	17.6835	9	6.3295	5.5033	
1390	14	14.3226	23.7341	15	22.1857	11.9231		1446	20§	22.8071	17.6249	23§	6.7142	5.4221	
1391	5*	15.5475	23.3164	5	23.4193	11.5478		1447	10	23.3768	17.2417	10	7.2605	5.0028	
1392	5*	17.6928	23.0663	4*	25.5798	11.3718		1448	3†	18.1149	18.1651				
1393	9	6.3704	24.6398	10	14.2067	12.5596									
1394	19	8.4008	24.6684	19§	16.2351	12.6569									
1395	6	9.0475	24.4641	8	16.8864	12.4731									
1396	4*	9.4812	24.3823	4*	17.3252	12.4082									



## ZONE + 70°.

R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 49 <sup>m</sup>							
Centre R.A. 2 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 4115. 1898, Sept. 20.				Plate 3706. 1897, Oct. 31.				Plate 3841. 1898, Feb. 4.				Plate 3706. 1897, Oct. 31.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
1449	4	18°7399	18°1576	4*	2°6930	6°2111	°	1502	15	4°8615	15°2317	30§	8°9471	2°9468	69° 170' 9.1
1450	23§	19°1443	18°0386	29	3°0872	6°0668		1503	8	5°2273	14°2366	13	9°3267	1°9570	
1451	40§	20°8761	18°5025	42§	4°8441	6°4199		1504	7	5°9923	14°4661	21	10°0917	2°2033	
1452	45§	20°8895	18°0340	41§	4°8283	5°9515	70 192 9°0	1505	5*	6°7234	14°4359	6	10°8254	2°1832	
1453	5	22°1177	18°4598	5	6°0822	6°2987		1506	3*	7°1172	14°4366	4	11°2174	2°1951	
1454	3†	22°1959	18°9549	3*	6°1890	6°7900		1507	7	8°0847	14°1328	15	12°1891	1°9010	
1455	4	22°5424	18°6454	4*	6°5170	6°4560		1508	5†	8°6921	14°8710	11	12°7842	2°6507	
1456	15	23°8397	18°6864	14§	7°8139	6°4136		1509	17§	10°3457	14°3044	39§	14°4452	2°1083	
1457	55§	20°6483	19°7957	53§	4°6987	7°7260	70 190 8°0	1510	4*	10°4340	14°1371	4*	14°5398	1°9498	
1458	19	22°0653	19°5747	20	6°1003	7°4147		1511	4	11°7119	14°8889	5*	15°8083	2°7176	
1459	3*	22°3598	19°6159	3*	6°3947	7°4377		1512	5*	11°7677	14°3461	7	15°8693	2°1738	
1460	19	23°2621	19°2343	21§	7°2723	6°9965		1513	5	12°1578	14°2347	9	16°2592	2°0662	
1461	64§	23°2960	19°7276	63§	7°3374	7°4879	70 194 8°3	1514	17	13°1395	14°8241	31§	17°2328	2°6734	
1462				3	7°6890	7°8645		1515	3*	13°4593	14°4904	4*	17°5576	2°3449	
1463	13	23°8508	19°4188	18	7°8724	7°1456		1516	38§	14°1481	14°9294	67§	18°2395	2°7952	69 180 8°1
1464	82§	18°4172	20°1749	89§	2°4956	8°2452	70 182 8°0	1517	29§	15°2620	14°8967	61§	19°3526	2°7812	69 182 8°0
1465	5	21°1688	20°9758	7	5°2952	8°8692		1518	(3)	19°1210	14°9657	4*	23°2082	2°9179	
1466	22§	21°4262	20°1236	25§	5°4958	8°0023		1519	10	19°3850	14°4519	34	23°4823	2°4045	
1467	21§	21°5636	20°7596	21§	5°6753	8°6288		1520	5	20°3210	14°6757	6*	24°4172	2°6444	
1468	3	22°3532	20°4659	4	6°4447	8°2866		1521	6	22°6038	14°4377	10†	26°7004	2°4447	
1469	21§	22°5957	20°2614	22§	6°6727	8°0658		1522	9	22°6389	14°7316	10*	26°7322	2°7354	
1470	3*	19°5118	21°9440	3	3°7021	9°9405		1523	7	6°7500	15°4937	11	10°8302	3°2403	
1471	18	20°6112	21°5264	19	4°7720	9°4564		1524	2*	7°3253	15°6328	3*	11°4078	3°3939	
1472	19§	21°7042	21°0325	20§	5°8315	8°8926		1525	4*	8°0670	15°2374	5	12°1514	3°0063	
1473	37§	22°7595	21°7118	35§	6°9274	9°5028		1526				4†	13°4503	3°0850	
1474	5	22°7229	21°2030	7	6°8608	8°9953		1527	13	13°8136	15°1811	26§	17°8994	3°0412	
1475	8	23°0283	21°0718	10	7°1555	8°8464		1528	13	16°4756	15°5425	31§	20°5576	3°4447	
1476	22	23°4828	21°5413	21§	7°6398	9°2852		1529	9	17°1243	15°7284	26	21°2006	3°6444	
1477	16	23°6768	21°6553	16	7°8399	9°3869		1530	5	17°3707	15°6396	12	21°4505	3°5553	
1478	13	18°3273	22°6209	15	2°5657	10°6935		1531	10	17°6156	15°7457	24	21°6918	3°6680	
1479	23§	19°4008	22°6925	25	3°6412	10°6953	70 185 9°5	1532	4*	18°6569	15°1415	4*	22°7393	3°0810	
1480				3†	4°9487	10°8998		1533	20§	18°8851	15°3740	58§	22°9678	3°3151	69 185 9°5
1481	6	18°2329	22°9279	7†	2°4897	11°0062		1534	19§	20°0030	15°3037	60§	24°0888	3°2621	69 186 9°5
1482	3*	19°3345	23°1431	3†	3°6012	11°1474		1535	14	4°3924	16°8722	28§	8°4530	4°5808	
1483	3†	20°3806	23°3803	4	4°6632	11°3189		1536				4	8°9150	4°1104	
1484	24	21°3586	23°3088	22§	5°6320	11°1867		1537	4*	6°1215	17°0459	6	10°1767	4°7836	
1485	9	21°6495	23°6820	9	5°9472	11°5387		1538	10	6°3053	16°4608	22§	10°3684	4°2007	
1486	14	21°6523	23°6658	15	5°9492	11°5244		1539	5†	7°1043	16°7234	8	11°1661	4°4751	
1487				3	6°1141	11°5802		1540	4	7°6064	16°3493	7	11°6743	4°1119	
1488	17	18°5510	23°9690	17§	2°8737	12°0255		1541	15	7°9868	16°3451	30§	12°0546	4°1103	
1489	85§	18°7610	24°2662	88§	3°1030	12°3091	70 183 6°5	1542	17	9°6064	16°3608	34§	13°6734	4°1531	
1490	14	19°5250	24°5641	15§	3°8834	12°5542		1543	5	10°1693	17°1361	8	14°2248	4°9365	
1491	22	20°0783	24°7229	20§	4°4460	12°6785		1544	16	10°2925	16°7604	27§	14°3562	4°5645	
1492	4*	20°2985	24°4206	5	4°6463	12°3657		1545	4	10°6440	16°5259	7	14°7103	4°3346	
1493	45§	22°2042	24°5173	40§	6°5559	12°3379	70 193 9°5	1546	5†	11°7082	16°5783	8	15°7701	4°4046	
1494	9†	23°6076	24°3950	10	7°9467	12°1261		1547	8	11°9111	17°1202	16	15°9655	4°9496	
1495	7	18°2107	25°5925	8	2°6395	13°6644		1548	13	12°8824	16°1769	23§	16°9518	4°0223	
1496	32§	19°3805	25°4291	24§	3°7960	13°4284		1549	3*	13°4500	16°8265	4	17°5105	4°6832	
1497	8	19°7100	25°0925	9	4°1023	13°0708		1550	14	13°5281	17°0976	27§	17°5831	4°9530	
1498	5	19°7891	25°6686	8	4°2180	13°6419		1551	5	13°8347	17°1009	6	17°8887	4°9615	
1499	17	20°1094	25°8738	17§	4°5485	13°8255		1552	4*	14°0340	16°1953	4*	18°1028	4°0599	
1500	7*	23°0905	25°8113	9	7°5215	13°5718		1553	4*	14°1755	16°4072	5	18°2430	4°2744	
1501	7†	23°1207	25°3481	10	7°5204	13°1073		1554	5	14°9720	16°1179	7	19°0454	4°0008	
								1555	7	15°1819	16°7363	17	19°2417	4°6198	
								1556	3*	16°8100	16°2054	4*	20°8783	4°1114	
								1557	15	17°5105	17°0490	29	21°5663	4°9693	
								1558	4*	18°1383	16°8354	5*	22°1963	4°7659	
								1559	8	19°3749	16°7200	15	23°4358	4°6716	
								1560	5	20°2861	16°8963	6*	24°3463	4°8600	

Plates 3841, 3706. Nos. 1521, 1522, 1583, 1634, 1712, and 1742, are measured also on plates 4134 and 1693.  
No. 1518. Plate 3841. The 6<sup>min</sup>. image is on the réseau line. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 58<sup>s</sup>.5 of R.A. at Dec. + 70°, and 61<sup>s</sup>.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3841. 1898, Feb. 4.				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 3706. 1897, Oct. 31.				Centre R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 3841. 1898, Feb. 4.				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 3706. 1897, Oct. 31.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
1561	18	21°41'82	16°41'04	45	25°48'40	4°39'47	°	1620	4*	8°50'15	19°37'98	4*	12°52'71	7°15'50	°
1562	5†	4°43'89	17°53'97	7	8°48'75	5°25'00	m.	1621	3*	8°95'90	19°60'47	5	12°97'18	7°38'65	
1563	4†	4°59'57	17°39'09	5	8°64'75	5°10'31		1622	28	9°57'10	19°38'17	48	13°58'79	7°17'32	70 202 8°
1564	7†	5°35'87	17°56'50	13	9°40'64	5°28'74		1623	6	10°04'35	19°47'88	12	14°06'08	7°27'93	
1565	11	7°46'04	17°82'94	21	11°50'49	5°58'80		1624	4*	10°07'10	19°91'59	4*	14°08'22	7°71'44	
1566	31	7°49'01	17°49'51	48	11°53'89	5°25'41	70 200 9°3	1625	4*	10°67'37	19°44'76	5	14°69'02	7°25'87	
1567	6*	7°89'37	18°22'22	10	11°93'23	5°98'58		1626	6	10°82'28	19°53'93	7	14°84'39	7°35'33	
1568	7	8°77'00	17°32'40	16	12°82'19	5°10'04		1627	12	12°71'80	19°17'80	22	16°73'93	7°02'25	
1569	28	9°30'29	18°11'72	42	13°34'01	5°90'47	70 201 9°2	1628	8	15°61'87	20°09'00	17	19°62'51	7°97'85	
1570	11	11°11'38	17°54'67	23	15°16'17	5°36'45		1629	10	16°14'42	19°53'41	17	20°16'12	7°43'13	
1571	3*	11°55'65	17°33'65	4	15°60'84	5°16'00		1630	5	17°05'60	19°51'55	11	21°07'13	7°42'77	
1572				4	15°73'37	5°93'58		1631	15	19°59'17	19°27'60	27	23°61'19	7°22'91	
1573	10	11°96'97	17°31'88	21	16°02'03	5°14'96		1632	7	19°95'13	19°34'68	14	23°96'88	7°30'74	
1574	5	13°08'35	17°30'34	10	17°13'61	5°15'28		1633	9	22°01'23	19°49'13	25	26°02'98	7°48'31	
1575	3*	13°67'70	17°67'74	4*	17°72'43	5°53'44		1634	13	22°70'65	19°70'47	35	26°71'89	7°70'80	
1576	6	15°11'56	17°68'68	8	19°16'09	5°56'89		1635				5	8°10'92	8°33'44	
1577	5	16°17'97	17°57'13	8	20°22'81	5°46'82		1636	45	4°38'96	20°53'54	56	8°38'85	8°24'36	70 195 8°6
1578	11	16°59'56	17°32'45	27	20°64'79	5°22'89		1637	26	4°49'75	20°44'36	37	8°49'87	8°15'44	70 196 9°0
1579	5†	18°15'59	17°78'54	9	22°20'01	5°71'71		1638	5*	6°19'91	20°74'65	6	10°19'56	8°48'34	
1580	4*	18°92'65	17°55'07	5*	22°97'29	5°49'50		1639	4*	6°78'41	20°52'34	7	10°78'43	8°26'97	
1581	4*	20°05'49	17°38'72	5*	24°10'59	5°35'31		1640	9	7°87'85	20°82'58	17	11°87'36	8°59'31	
1582	5*	20°75'83	17°84'19	5*	24°79'77	5°81'34		1641	14	7°90'83	20°38'46	25	11°90'85	8°15'01	
1583	16	22°46'22	17°64'67	36	26°50'79	5°64'89	70 214 9°4	1642	5	7°97'78	20°42'10	8	11°97'88	8°18'70	
1584	6	5°25'43	19°18'66	11	9°27'46	6°91'09		1643	4*	8°88'26	20°52'59	4	12°88'34	8°30'69	
1585	6	5°38'55	19°19'03	10	9°40'80	6°91'44		1644				4†	15°24'98	8°04'90	
1586	7	5°72'05	19°13'53	10	9°74'13	6°86'45		1645	17	11°49'18	20°69'56	25	15°48'88	8°51'96	
1587				3	9°80'00	6°88'26		1646	4	11°89'69	21°08'35	9	15°88'59	8°91'27	
1588				5	10°04'50	6°27'47		1647	12	12°97'95	20°92'93	20	16°97'18	8°77'61	
1589	5*	6°37'05	18°37'39	6	10°40'68	6°11'46		1648	4*	13°44'35	20°97'49	5	17°43'80	8°33'03	
1590	4*	7°40'32	19°17'53	5	11°42'31	6°93'49		1649	15	13°98'68	21°09'50	26	17°97'75	8°95'53	
1591	5	9°90'75	19°09'11	7	13°92'92	6°88'63		1650	22	14°09'40	20°59'19	36	18°09'24	8°45'61	70 206 9°3
1592	4*	10°95'75	19°02'14	8	14°98'08	6°83'26		1651	39	15°33'84	20°39'96	62	19°33'96	8°28'31	70 208 8°6
1593	10	11°02'03	18°93'80	18	15°04'75	6°75'49	70 203 9°5	1652				4	21°88'52	8°88'67	
1594	3*	11°39'13	18°77'37	5	15°42'33	6°59'55		1653				4	22°55'70	8°46'72	
1595	5	11°64'88	18°52'78	8	15°68'23	6°35'37		1654	16	21°30'10	20°94'55	31	25°29'20	8°92'58	
1596	4*	11°73'00	18°63'54	4†	15°76'38	6°46'18		1655	11	21°79'78	20°19'43	25	25°80'16	8°18'30	
1597	6	11°75'12	18°46'43	15	15°78'56	6°29'14		1656				5†	9°48'12	9°59'07	
1598	4*	12°12'40	18°99'48	5	16°14'71	6°82'92		1657				4	9°77'35	9°57'08	
1599	15	15°03'10	18°25'85	27	19°06'68	6°13'79		1658	6	7°12'61	21°85'18	11	11°10'23	9°60'44	
1600	14	16°45'46	18°13'93	28	20°49'28	6°04'23		1659	5†	7°97'16	21°78'50	7	11°95'02	9°54'77	
1601	8	16°89'27	18°34'97	15	20°92'95	6°25'79		1660	5	9°08'23	21°96'55	11	13°05'92	9°74'75	
1602				5	21°38'20	6°41'73		1661	7	10°15'11	21°32'78	11	14°13'72	9°12'79	
1603	19	17°92'45	18°51'55	35	21°95'70	6°44'37		1662	12	11°12'31	21°35'49	23	15°11'05	9°17'22	
1604	14	18°74'48	18°15'57	27	22°78'23	6°09'69		1663	15	12°80'89	21°50'45	30	16°79'03	9°34'62	
1605	4	19°51'33	18°94'57	6*	23°53'71	6°89'94		1664	5†	13°34'82	21°38'96	9	17°33'34	9°24'33	
1606	12	19°70'37	18°82'72	25	23°73'14	6°78'38		1665	31	13°68'57	21°23'09	48	17°67'33	9°08'83	70 205 9°0
1607	11	19°95'65	18°99'95	21	23°97'80	6°95'73		1666	15	14°64'82	21°19'66	24	18°63'69	9°06'86	
1608	5	20°44'82	18°98'38	6	24°46'92	6°95'42		1667	7	15°43'41	21°70'86	12	19°41'42	9°59'48	
1609	4	20°63'28	18°65'61	4†	24°65'87	6°62'76		1668				4	19°86'63	9°65'67	
1610	4*	21°14'10	18°85'59	5*	25°16'68	6°83'49		1669	6	17°32'34	21°46'19	6	21°30'90	9°37'86	
1611	4	21°80'98	18°30'52					1670	3*	17°38'32	21°04'54	5	21°37'44	8°96'10	
1612	6	22°93'16	18°17'98	7*	26°96'88	6°18'75		1671	3*	17°41'21	21°04'74	4	21°40'26	8°96'53	
1613	7	4°77'24	19°96'75	15	8°78'06	7°68'44		1672	3*	19°05'14	21°56'73	8	23°03'65	9°51'41	
1614	4*	6°15'59	19°36'57	5	10°17'26	7°10'09		1673	5*	21°91'00	21°19'54	5*	25°89'63	9°18'95	
1615	7	6°81'68	20°20'09	10	10°82'21	7°94'68		1674	18	6°20'86	22°72'13	24	10°17'12	10°45'76	
1616	14	7°12'90	19°60'74	21	11°14'38	7°36'05		1675	9	6°51'34	22°59'50	18	10°47'98	10°33'99	
1617	5	8°08'93	19°91'20	6	12°09'68	7°68'04		1676	4*	6°66'97	23°19'44	8	10°62'72	10°93'82	
1618				5	12°10'95	7°55'18		1677	8	7°08'07	22°52'45	12	11°04'65	10°27'73	
1619				5	12°11'31	7°17'39		1678	9	7°76'55	23°19'75	15	11°72'23	10°95'83	

1. Réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



ZONE + 70°.

R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 49 <sup>m</sup> —contd.										R.A. 2 <sup>h</sup> 30 <sup>m</sup> to 2 <sup>h</sup> 49 <sup>m</sup> —contd.													
Centre		R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				B. D.		Centre		R.A. 2 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				B. D.	
Plate 3841. 1898, Feb. 4.										No.	Mag.	Plate 3841. 1898, Feb. 4.										No.	Mag.
1679	4	7.8922	22.2887	8	11.8647	10.0538						1738	7	15.6731	25.8357	11	19.5869	13.7249					
1680	14	7.9608	22.4449	28§	11.9294	10.2108						1739				5	21.0393	12.9870					
1681				4	12.2511	10.6337						1740				16	23.8714	13.1896					
1682				5	12.4083	10.5752						1741				5†	25.6876	13.5910					
1683				5	13.2973	10.4057						1742	19	22.1614	25.5648	41§	26.0778	13.5595	70	215	9.0		
1684	8	9.8438	22.3660	12	13.8150	10.1612						R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup>											
1685				6	15.3804	10.9908						Centre		R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71°					
1686				3	15.9150	10.2733						Plate 4134. 1898, Sept 25.		Plate 1693. 1893, Dec. 14.									
1687	3*	13.1430	22.1888	4*	17.1123	10.0364						1521	9	2.0265	14.5916								
1688	5	13.2842	22.3360	10	17.2552	10.1871						1522	7	2.0865	14.8806								
1689	8	14.2793	22.3665	10	18.2490	10.2343						1743	14	3.4027	14.1638								
1690				3	19.4087	10.0645						1744	24§	3.6090	14.4291	8	3.6274	2.3584	69	188	9.5		
1691	3*	15.8516	22.7253	4	19.8162	10.6171						1745	4	4.0010	14.7537								
1692	4*	16.9321	22.3694	6	20.9025	10.2787						1746	12	4.9490	14.6659								
1693	12	21.3905	22.0570	29§	25.3644	10.0406	70	213	9.5			1747	16	6.1210	14.9017	4*	6.1445	2.8350					
1694				4	8.0845	11.5453						1748	25§	9.4495	14.7360	24§	9.4703	2.6718	69	193	9.5		
1695	55§	4.8603	23.6551	65§	8.8101	11.3692	70	197	8.0			1749	7	15.3755	14.9153	2*	15.3970	2.8601					
1696				6	10.1173	11.9375						1750	9	15.7152	14.2848	4*	15.7394	2.2278					
1697				10	11.0580	11.7114						1751	19§	15.8068	14.6969	11	15.8283	2.6440					
1698	5*	7.6800	24.1024	8	11.6233	11.8605						1752	4	15.8962	14.0573								
1699	5	8.3633	23.6846	10	12.3121	11.4562						1753	4	20.2567	14.9243								
1700				4	12.7859	11.6488						1754	6	7.0148	15.7890								
1701	6	11.4857	23.4303	13	15.4381	11.2540						1755	2	9.1388	15.4725								
1702	9	12.3084	23.3621	16§	16.2624	11.1972						1756	37§	10.0607	15.9445	37§	10.0802	3.8815	69	195	9.3		
1703				5	16.6778	11.6526						1757	3	11.3238	15.2455	4*	11.6959	3.3743					
1704	6	13.0803	23.2879	8	17.0365	11.1353						1758	8	11.6788	15.4354	3*	15.9001	3.8873					
1705	15	14.4296	23.2194	29§	18.3856	11.0881						1759	6	15.8747	15.9435	2*	18.6745	3.9176					
1706	14	14.4841	23.2739	23§	18.4385	11.1429						1760	7	18.6517	15.9708	36	19.4368	3.5762	69	202	9.2		
1707	21§	16.2985	23.1736	40§	20.2541	11.0728	70	209	9.4			1761	28§	19.4135	15.6245								
1708				5	22.6804	11.6667						1762	7	22.2203	15.2543	6*	23.1435	3.1305					
1709	4*	19.1885	23.2264	9	23.1439	11.1722						1763	18	23.1183	15.1756	5*	25.4130	3.5991	70	237	9.5		
1710	4*	20.3420	23.4254	6	24.2923	11.3883						1764	23	25.3887	15.6403	68§	2.6377	4.7296	70	216	8.3		
1711	7*	22.0155	23.5493	16	25.9638	11.5404						1765	45§	2.6202	16.8024								
1712	10	22.3891	23.1347	23	26.3465	11.1361						1766	11	3.0663	16.1673								
1713				4	8.2024	12.8377						1767	5	4.0238	16.8150								
1714	12†	5.8678	24.8079	19§	9.8002	12.5395						1768	2†	5.7545	16.6562								
1715	10*	6.1200	24.8678	18§	10.0505	12.6043						1769	4	6.2211	16.0285								
1716				4	10.2292	12.8455						1770	3	6.6317	16.4018								
1717	14	8.7407	24.9813	21§	12.6684	12.7574						1771	28§	10.2309	16.5683	26	10.2493	4.5084	70	221	9.3		
1718				6	13.5574	12.6322						1772	25§	12.2689	16.0120	24	12.2864	3.9518	69	197	9.4		
1719	5*	10.0385	24.5710	9	13.9687	12.3671						1773	26§	12.7475	16.2366	25	12.7651	4.1788	69	198	9.5		
1720	5*	10.4121	24.9954	6	14.3413	12.8047						1774	5	12.9512	16.9263	3*	12.9690	4.8682					
1721	27§	11.4517	24.3186	40§	15.3896	12.1396	70	204	9.4			1775	8	13.7592	16.6647	5	13.7782	4.6062					
1722	16	12.5097	25.1160	21	16.4243	12.9535						1776	12	14.9475	16.6242	8	14.9663	4.5690					
1723				4	16.8797	12.3009						1777	6	16.6050	16.9648	3*	16.6255	4.9101					
1724	20	14.5409	24.3561	29§	18.4791	12.2277	70	207	9.5			1778	20§	18.0220	16.3121	15	18.0430	4.2590					
1725				6	20.2120	12.4825						1779	3	19.4403	16.6445								
1726	14	17.0205	24.1458	24§	20.9605	12.0584						1780	52§	19.5416	16.1991	51§	19.5647	4.1480	70	233	8.6		
1727				5	8.5120	13.1279						1781	5	20.9122	16.7171								
1728				5†	9.3093	13.6951						1782	22	25.4306	16.9985	7*	25.4525	4.9531					
1729	13*	6.9405	26.0679	23§	10.8479	13.8150						1583	18	2.1550	17.7982	4*	2.1734	5.7286					
1730				4	12.9405	13.6073						1783	24§	2.9254	17.6854	23	2.9440	5.6164					
1731	12	9.9167	25.5349	21§	13.8352	13.3318						1784	25§	5.6603	17.0543	20	5.6786	4.9853					
1732	8†	9.9861	25.7425	15	13.8997	13.5418						1785	5	7.1228	17.6545								
1733	13	12.7542	25.2674	23§	16.6784	13.1091						1786	7	7.7595	17.6469	3*	7.7768	5.5846					
1734	11	13.7030	25.6540	19§	17.6191	13.5115						1787	14	8.1375	17.2472	10	8.1562	5.1794					
1735				3	17.6290	13.1839																	
1736				5	19.4237	13.1595																	
1737	8	15.5354	25.1753	14	19.4587	13.0626																	

No. 1764. B. D.  $70^{\circ} 237$ . The declination given in the B. D. appears to be about  $5'$  too large. Plates 4134, 1693. Nos. 1782, 1793, 1838 and 1845, are measured also on plate 739 and 2991.

1 réseau interval represents very nearly  $5' = 55^{\text{s}}.8$  of R.A. at Dec.  $+70^{\circ}$ , and  $61^{\text{s}}.4$  at Dec.  $+71^{\circ}$ .

## ZONE + 70°.

R. A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>									R. A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>															
Centre R. A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R. A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71°						Centre R. A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R. A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71°												
Plate 4134. 1898, Sept. 25.			Plate 1693. 1893, Dec. 14.						Plate 4134. 1898, Sept. 25.			Plate 1693. 1893, Dec. 14.												
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								Mag.																
1788	52§	8.1488	17.2343	52§	8.1657	5.1665	70°	219	8.1	1845	54§	25.9975	23.1769	47§	26.0083	11.1358	70°	239	7.9					
1789	15	10.3708	17.4275	16	10.3897	5.3662				1846	4	5.7811	24.2702	2*	5.7849	12.2011								
1790	9	13.8623	17.8148	5*	13.8810	5.7556				1847	5	12.5052	24.0505	2*	12.5143	11.9931								
1791	3	16.2464	17.2755							1848	8	13.1591	24.8894	5	13.1685	12.8313								
1792	35§	24.9713	17.9905	34§	24.9913	5.9466	70	236	9.4	1849	7	5.4880	24.4545	3*	5.4988	12.3901								
1793	31	25.5513	17.6150	14	25.5735	5.5709	70	238	9.5	1742	36§	2.5154	25.7147	24	2.5242	13.6453	70	215	9.0					
1794	4	6.8602	18.5516							1850	7	6.6140	25.4249	5	6.6234	13.3602								
1795	44§	10.7603	18.3448	41§	10.7771	6.2815	70	224	8.9	1851	3*	8.7742	25.8130	2*	8.7825	13.7496								
1796	11	11.0955	18.5055	5	11.1115	6.4434				1852	5	11.8460	25.6744	3*	11.8525	13.6139								
1797	4	13.7679	18.0025	2*	13.7840	5.9436				1853	7	19.7173	25.0545	4*	19.7250	13.0066								
1798	2	14.2296	18.0763							1854	6	22.6287	25.9658	5	22.6350	13.9241								
1799	45§	15.0450	18.8022	42§	15.0613	6.7456	70	229	9.0	R. A. 3 <sup>h</sup> 11 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup>														
1800	3	24.3691	18.8714							Centre R. A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R. A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			Centre R. A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. +70°								
1634	16	2.5674	19.8281	6*	2.5818	7.7577				Plate 739. 1893, Jan. 27.			Plate 2991. 1896, Feb. 3.			Plate 739. 1893, Jan. 27.								
1801	12	2.8672	19.7543	4*	2.8805	7.6813				1855	14	12.3250	14.7862	11	8.3350	2.9768	69°	212	9.4					
1802	36§	4.8836	19.0430	40§	4.8988	6.9738	70	217	9.0	1856	3*	18.1570	14.8323	3*	14.1665	2.8910								
1803	2	4.5936	19.0953							1857	6	19.1082	14.3180	4*	15.1073	2.3570								
1804	3†	5.6877	19.5232							1858	6	8.3020	15.5191											
1805	9	6.0320	19.4160	3*	6.0455	7.3505				1859	16	12.4110	15.0808	9	8.4280	3.2696	69	213	9.5					
1806	4	7.8894	19.2762	2*	7.9060	7.2116				1860	7	14.7085	15.6376	5	10.7342	3.7718								
1807	4	10.1915	19.6347	2*	10.2067	7.5721				1861	19	15.4393	15.0108	13	11.4555	3.1294								
1808	16	10.2953	19.7188	10	10.3096	7.6584				1782	19	5.1367	16.6640	13	1.1908	5.0163								
1809	3	11.6535	19.0603							1862	5	6.0917	16.9615											
1810	9	14.0198	19.3647	7	14.0343	7.3076				1863	7	11.7090	16.9675	6	7.7666	5.1710								
1811	6	16.5801	19.3450	4*	16.5955	7.2919				1864	33§	14.9940	16.1022	29§	11.0348	4.2318	70	245	9.0					
1812	27§	17.9077	19.6663	27§	17.9238	7.6138	70	232	9.5	1865	5	15.5253	16.8188	5	11.5806	4.9361								
1813	29§	5.5074	20.9815	27§	5.5203	8.9150				1793	23§	5.3020	17.2672	16	1.3710	5.6140	70	238	9.5					
1814	23§	13.6010	20.8467	23§	13.6148	8.7899	70	228	9.5	1866	21§	6.5381	17.1097	17	2.6009	5.4282	70	240	9.5					
1815	2	15.7835	20.0275							1867	20§	7.9553	17.1240	15	4.0168	5.4111								
1816	6	17.4815	20.4667	3*	17.5010	8.4134				1868	13	8.7446	17.7455	9	4.8216	6.0140								
1817	45§	21.9908	20.5040	48§	22.0063	8.4574	70	235	8.4	1869	4	9.8973	17.0703	4*	5.9590	5.3130								
1818	10	22.0833	20.8947	4*	22.0985	8.8496				1870	10	17.6335	17.2056	8	13.6962	5.2765								
1819	23§	3.2632	21.2122	19	3.2766	9.1411				1871	21§	20.3677	17.5234	16	16.4375	5.5311	70	248	9.5					
1820	7	5.4400	21.6674	4*	5.4528	9.6004				1872	16	22.7191	17.2767	11	18.7802	5.2344								
1821	24§	6.0865	21.4235	21§	6.1002	9.3555	70	218	9.4	1873	9	8.6117	18.1215	8	4.6967	6.3935								
1822	9	7.4311	21.2453	5	7.4440	9.1792				1874	5	11.1153	18.5243	5	7.2093	6.7419								
1823	57§	10.2398	21.3538	53§	10.2521	9.2891	70	220	8.2	1875	7	18.2141	18.2286	6	14.2992	6.2847								
1824	8	13.1032	21.2230	4	13.1192	9.1654				1876	20	21.5114	18.9424	15	17.6124	6.9237								
1825	3	15.9080	21.8585							1877	16	9.4284	19.5334	13	5.5430	7.7872								
1826	6	15.9369	21.7219	4	15.9513	9.6707				1878	28§	20.6728	19.4511	20§	16.7830	7.4527	70	249	9.5					
1827	4*	21.3284	21.9640	2*	21.3445	9.9271				1879	8	15.6187	21.5600	5	11.7786	9.6744								
1828	15	22.4872	21.4730	11	22.5007	9.4265				1880	10	20.6202	21.0817	6	16.7666	9.0869								
1829	5	5.8885	22.3342	2*	5.8996	10.2626				1881	6	20.6680	21.3196	4	16.8195	9.3194								
1830	6	8.6617	22.5325	3*	8.6730	10.4701				1882	8*	23.3209	21.0407	5	19.4687	8.9853								
1831	4	10.7014	22.8347							1838	26§	5.5149	22.2856	15	1.6942	10.6244								
1832	18	12.6817	22.8334	13	12.6938	10.7749				1845	42§	6.1607	22.7817	34§	2.3511	11.1103	70	239	7.9					
1833	6	13.2880	22.5208	4*	13.2987	10.4631				1883	10	9.1393	22.8040	8	5.3305	11.0661								
1834	6	13.8792	22.4048	3*	13.8920	10.3476				1884	3	12.7873	22.3960	4†	8.9686	10.5728								
1835	15	17.4204	22.5508	11	17.4331	10.4983				1885	10	14.9750	22.8216	5	11.1627	10.9481								
1836	14	18.7526	22.0978	6	18.7660	10.0477				1886	4*	15.0524	22.8728	3†	11.2430	10.9998								
1837	25§	23.5130	22.1623	24	23.5280	10.1177				1887	4	15.1724	22.3679	4	11.3519	10.4900								
1838	35	25.3906	22.6342	25§	25.4034	10.5899				1888	7	15.3468	22.9910	5	11.5385	11.1114								
1712	7	2.5421	23.2757	3*	2.5533	11.2045				1889	18	18.0827	22.1724	10	14.2581	10.2338								
1839	18	6.7707	23.2943	8	6.7807	11.2267				1890	29	20.4248	22.7111	18	16.6102	10.7190								
1840	6	9.5191	23.7957	3*	9.5308	11.7345				1891	10	21.0973	22.8499	7	17.2854	10.8440								
1841	4	11.1041	23.3347	2*	11.1140	11.2754				1892	6	21.1986	22.3777	5	17.3763	10.3689								
1842	4	14.2252	23.4048	2*	14.2354	11.3469																		
1843	42§	17.0800	23.9790	41§	17.0910	11.9269	70	231	7.9															
1844	3	18.5343	23.7123																					

No. 1792. B. D. 70° 236. The declination given in the B. D. appears to be about 5' too large.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 3 <sup>h</sup> 11 <sup>m</sup> to 3 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 739. 1893, Jan. 27.				R.A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2991. 1896, Feb. 3.				Centre R.A. 3 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 697. 1892, Dec. 23.				R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 4182. 1898, Nov. 5.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.</					

## ZONE + 70°.

R.A. 3 <sup>h</sup> 50 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup> —contd.									
Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°					
Plate 2971. 1896, Jan. 15.				Plate 4182. 1898, Nov. 5.				Plate 2971. 1896, Jan. 15.				Plate 2993. 1896, Feb. 3.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
B. D.								B. D.									
No. Mag.								No. Mag.									
1993	5	4.7002	23.6538	4	16.4298	11.5273		2046	17	19.3453	22.7181	10	7.5000	10.6832			
1994	8	5.0448	23.1864	7	16.7985	11.0768		2047	16	23.2127	22.2745	9	11.3402	10.0498			
1995	11	5.3282	23.0418	7	17.0889	10.9448		2048	6	23.8594	22.3397	4	11.9915	10.0839			
1996	11	7.3648	23.5010	11	19.1015	11.4973		2049	16	16.5345	23.0655	9	4.7109	11.1693			
1997	28§	8.5087	23.9338	26§	20.2235	11.9843	70 272	9.3	2050	32§	19.0850	23.8244	22§	7.2977	11.8036	70 282	
1998	5*	8.6672	23.8076	3*	20.3894	11.8666		2051	26§	20.6606	23.1168	18§	8.8340	11.0175	70 287		
1999	15	9.7352	23.9938	13	21.4440	12.1027		2052	27§	14.2958	24.3666	21§	2.5407	12.5833			
2000	7	10.9213	23.5242	5	22.6518	11.6855		2053	10	16.2123	24.4093	7	4.4587	12.5272			
2001	26§	11.6289	23.4605	25§	23.3623	11.6556	70 275	9.5	2054	5*	20.5621	24.9119	4	8.8231	12.8157		
2002	6	12.2438	23.3134	2*	23.9814	11.5407		2055	6*	22.1673	24.9403	4	10.4308	12.7663			
2003	10	13.6303	23.3298	5	25.3674	11.6187		2056	8	23.6775	24.0018	6	11.8898	11.7486			
2004	14	7.9293	24.1613	10	19.6339	12.1848		2057	5	15.8175	25.5208	4	4.1203	13.6610			
2005	44§	8.4355	24.0415	38§	20.1462	12.0883	70 271	9.0	2058	60§	17.8075	25.4983	43§	6.1026	13.5344	70 281	
2006	6	8.7879	24.5024	3	20.4736	12.5653		2059	4*	21.1280	25.8119	4	9.4347	13.6855	7.0		
2007	3*	9.3419	24.6060	2*	21.0224	12.6943		R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup>									
2008	40§	10.1636	24.7119	30§	21.8398	12.8369	70 273	9.0	Centre R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				
2009	10	12.0340	24.7418	6	23.7055	12.9548		Plate 4156. 1898, Oct. 24.				Plate 2993. 1896, Feb. 3.					
2010	7	12.5125	24.5553	3*	24.1964	12.7927		2060	8	6.6625	14.8635						
2011	33	5.1569	25.0552	24§	16.8223	12.9483	70 269	9.0	2061	6	8.8188	14.7218					
2012	5	5.8576	25.2835	5	17.5118	13.2098		2062	20	7.1964	14.9743	14	15.5369	2.8526			
2013	11	9.1988	25.0805	9	20.8583	13.1631		2063	7§	12.0455	14.8134						
2014	7	10.7567	25.5228	4	22.3937	13.6783		2064	47§	12.6858	14.4796	43§	21.0422	2.5480	69 256	9.0	
2015	10	11.2882	25.3559	8	22.9315	13.5354		2065	10	12.7161	14.2999	3*	21.0781	2.3699			
R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 10 <sup>m</sup>								2066	25§	13.9265	14.0258	12	22.2962	2.1395			
Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				2067	16	14.6373	14.0510						
Plate 2971. 1896, Jan. 15.				Plate 2993. 1896, Feb. 3.				2068	21	16.2007	14.6045	10	24.5500	2.7991			
2016	43§	14.1954	14.7134	44§	1.9613	2.9461	69° 240	8.3	2069	9	16.6487	14.5940					
2017	14	14.3610	14.2747	4*	2.1089	2.5025		2070	16	17.6694	14.4477						
2018	19	14.3679	14.1918	9	2.1103	2.4169		2071	29§	3.9728	15.8750	20§	12.2826	3.6380	70 289	9.4	
2019	7	17.0380	14.3658	3*	4.7873	2.4589		2072	27§	4.0023	15.8606	20§	12.3131	3.6266			
2020	16	22.7090	14.6120	9	10.4586	2.4229		2073	6	4.5944	15.1488	3*	12.9311	2.9348			
2021	9	24.0707	14.0630	6	11.7919	1.8056		2074	14	7.5828	15.6050	7	15.9011	3.4952			
2022	27	23.9216	15.1137	20§	11.6978	2.8627	69 248	9.1	2075	24§	11.6013	15.3568	16	19.9260	3.3879		
2023	35§	24.1379	15.2971	27§	11.9198	3.0353	69 249	9.1	2076	19	11.7180	15.9318	10	20.0233	3.9660		
2024	6	15.7093	16.0290					2077	13	11.9380	15.5434	7	20.2556	3.5860			
2025	45§	20.5550	16.4559	38§	8.4003	4.3680	70 286	7.3	2078	15	11.9818	15.9578	8	20.2845	4.0040		
2026	10	22.8662	16.0501	7	10.6866	3.8524		2079	6	14.0340	15.0723						
2027	17	24.1618	16.2564	10	11.9910	3.9940		2080	59§	14.2851	15.3530	46§	22.6080	3.4784	70 300	8.0	
2028	10	19.4182	17.8823	8	7.3362	5.8530		2081	66§	17.8260	15.5594	81§	26.1423	3.8076	70 305	7.8	
2029	18	20.0355	17.1683	13	7.9152	5.1075		2082	6	6.6722	16.7933	2*	14.9505	4.6491			
2030	12	14.8896	18.1606	6	2.8279	6.3544		2083	6	8.2490	16.6613	2*	16.5305	4.5743			
2031	4	19.1091	18.0497					2084	15	9.0815	16.7015	9	17.3598	4.6448			
2032	4	14.3173	19.0702					2085	6	9.3998	16.6254	2*	17.6820	4.5783			
2033	22§	19.9098	19.3559	16	7.8984	7.2951		2086	3	10.6815	16.0943						
2034	32§	20.3175	19.2399	25§	8.3004	7.1616	70 285	8.5	2087	10	11.6173	16.2642	3*	19.9120	4.2939		
2035	5	20.3415	19.9768	4	8.3619	7.8951		2088	4	14.0608	16.9080						
2036	6	14.1398	20.3767					2089	48§	14.7309	16.7820	42§	23.0033	4.9213	70 301	8.9	
2037	4	17.5604	20.1302					2090	9	15.3538	16.1813						
2038	22§	20.1493	20.8644	16	8.2113	8.7922	70 284	9.3	2091	10	15.5815	16.2667					
2039	6	22.6216	20.6159	5	10.6682	8.4246		2092	4	16.4561	16.9078						
2040	35§	23.1630	20.1615	22§	11.1856	7.9433	70 288	9.0	2093	5	17.7283	16.9343					
2041	17	14.5808	21.7402	10	2.6957	9.9461	70 280	9.5	2094	5*	4.7918	17.1148	3*	13.0579	4.9069		
2042	6	19.5723	21.7139	4	7.6799	9.6679		2095	47§	4.8178	17.3660	31§	13.0738	5.1600	70 292	8.8	
2043	21§	19.7022	21.7982	15	7.8127	9.7465	70 283	9.5	2096	10	12.3385	17.6158	6	20.5831	5.6735		
2044	5	22.0120	21.5754	4	10.1097	9.4145		2097	30§	13.0340	17.4936	26§	21.2850	5.5752	70 299	9.3	
2045				4	10.0410	10.1441		2098	7	16.0586	17.2486	2*	24.3135	5.4360			

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. +70°, and 61".4 at Dec. +71°.



## ZONE + 70°.

R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 10 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4156. 1898, Oct. 24.				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2993. 1896, Feb. 3.				Centre R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4156. 1898, Oct. 24.				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2993. 1896, Feb. 3.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
R.A. 4 <sup>h</sup> 24 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup>															
Centre R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4156. 1898, Oct. 24.								Centre R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1695. 1893, Dec. 14.							

Plate 1695. No. 2176. The 6<sup>min.</sup> image is on the réseau line. The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
R.A. 4 <sup>h</sup> 24 <sup>m</sup> to 4 <sup>h</sup> 30 <sup>m</sup> — <i>contd.</i>							R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>						
Centre R.A. 4 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 4156. 1898, Oct. 24.							Centre R.A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4157. 1898, Oct. 24.						
R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1695. 1893, Dec. 14.							R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. +70° Plate 1695. 1893, Dec. 14.						
2211	11†	20°3733	23°7756	5	4°5824	11°8599	2264	58§	11°5485	18°0963	56§	15°6040	6°0934
2212	7	20°6279	23°7858	4*	4°8351	11°8516	2265	10	11°6502	18°8740	10	15°6895	6°8726
2213	15	21°8214	23°9450	11	6°0350	11°9365	2266	7	13°8915	18°8153	7	17°9323	6°8673
2214	6*	21°9440	23°9698	3†	6°1607	11°9573	2267	2	13°8534	18°4746			
2215	7	19°9281	24°7171	3*	4°1953	12°8271	2268	23§	15°4561	18°2086	26	19°5112	6°2999
2216	14	22°0300	24°2797	8	6°2647	12°2583	2269	12	18°2088	18°0428	7	22°2657	6°2018
2217	27§	20°3492	25°7639	22	4°6774	13°8463	2270	7	20°4494	18°2444			
2218	8	20°8175	25°5263	6	5°1332	13°5804	2271	3	21°2366	18°3354			
R.A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 49 <sup>m</sup>							2272	23§	21°4782	18°3784	25	25°5249	6°6209
2219	4	4°9380	13°9725				2273	9	5°5583	19°2611	6	9°5880	7°1100
2220	17	12°7095	13°9978	14	16°8671	2°0223	2274	9	6°1878	19°2665	6	10°2183	7°1322
2221	7	5°3110	14°4444				2275	5	6°2031	19°6218	3	10°2254	7°4856
2222	24§	5°6393	14°0923	24	9°7960	1°9439	2276	6	6°9520	19°4045	6	10°9785	7°2878
2223	16	9°8805	14°6823	16	14°0213	2°6387	2277	9	7°8316	19°2514	9	11°8633	7°1560
2224	46§	10°2364	14°8779	49§	14°3717	2°8419	2278	4	8°6010	19°4850	5	12°6265	7°4085
2225	4	17°0118	14°6037				2279	3	9°5604	19°5196	2*	13°5839	7°4688
2226	5	21°5668	14°4501				2280	8	11°4195	19°6590	9	15°4372	7°6501
2227	20	4°9225	15°1371	17	9°0535	2°9735	2281	4	12°6137	19°7395	2	16°6316	7°7607
2228	27§	6°8867	15°0828	25	11°0160	2°9660	2282	17	13°6716	19°9033	18	17°6845	7°9503
2229	17	8°0215	15°2413	10	12°1495	3°1537	2283	5	15°2060	19°5742	3	19°2250	7°6606
2230	2	8°5719	15°9760				2284	5	16°0920	19°9395	3	20°1038	8°0463
2231	16	10°4895	15°8855	15	14°6023	3°8569	2285	37§	18°0703	19°6227	47§	22°0870	7°7826
2232	4	10°8168	15°5078	2*	14°9377	3°4856	2286	4	18°2436	19°2481			
2233	32§	13°3366	15°8402	39§	17°4477	3°8793	2287	18	18°4495	19°6654	23	22°4673	7°8318
2234	4	14°0103	15°1501				2288	4	18°7412	19°4260			
2235	7	15°4256	15°5122	4*	19°5465	3°6065	2289	4	19°8003	19°5320			
2236	3	20°3394	15°5457				2290	31§	20°1912	19°9243	40§	24°2030	8°1323
2237	20	20°6207	15°6123	20	24°7387	3°8304	2291	6	22°3510	19°6406			
2238	27§	22°4121	15°2630	29§	26°5350	3°5264	2292	9	6°0000	20°9473	7	9°9893	8°8049
2239	11	22°6994	15°4560				2293	8	11°3586	20°3800	6	15°3590	8°3709
2240	3†	4°2683	16°3955				2294	4	14°9418	20°4782	2	18°9392	8°5565
2241	15	4°2691	16°4097	13	8°3693	4°2288	2295	33§	20°6252	20°4478	43§	24°6238	8°6660
2242	18	10°5115	16°0370	21	14°6190	4°0085	2296	13	21°5273	20°6555	8	25°5190	8°8986
2243	10	12°1159	16°7227	10	16°2053	4°7339	2297	22§	21°6104	20°9120	25	25°5963	9°1555
2244	12	12°4846	16°6443	14	16°5767	4°6637	2298	7	8°3105	21°6843	5	12°2837	9°6006
2245	8	13°5743	16°1915	7	17°6775	4°2377	2299	25§	11°3187	21°1138	30§	15°3033	9°1038
2246	3	15°4593	16°3355				2300	8	13°8749	21°1522	7	17°8570	9°2038
2247	3	15°8583	16°0842				2301	19§	15°1632	21°7538	23§	19°1325	9°8392
2248	9	16°3179	16°1131	5	20°4240	4°2262	2302	4	16°1128	21°0393	3	20°0990	9°1487
2249	13	4°3715	17°0775	11	8°4549	4°8998	2303	24§	5°5212	22°7250	21	9°4694	10°5720
2250	14	7°2572	17°1446	15	11°3375	5°0355	2304	24§	11°3624	22°6478	24§	15°3089	10°6394
2251	38§	8°9100	17°1418	38§	12°9883	5°0733	2305	3	11°7745	22°2250			
2252	46§	12°3244	17°4598	49§	16°3978	5°4725	2306	3	11°8419	22°2840			
2253	9	13°7594	17°9380	12	17°8182	5°9873	2307	3	14°4805	22°0268			
2254	6	16°0380	17°0410				2308	16	14°9838	22°3655	14	18°9358	10°4463
2255	26*	17°5150	17°3844	34§	21°5858	5°5290	2309	15	17°2166	22°4355	16	21°1657	10°5701
2256	36§	19°2303	17°5847	55§	23°2998	5°7706	2310	37§	17°3640	22°4829	40§	21°3125	10°6191
2257	10	20°5297	17°5591				2311	4	21°8116	22°1326			
2258	10	21°5148	17°1415	3*	25°5966	5°3795	2312	39§	4°1912	23°1938	34§	8°1255	11°0098
2259	17	21°8715	17°0498	9*	25°9538	5°2977	2313	21	4°8850	23°3008	20	8°8163	11°1347
2260	4	22°6288	17°4092				2314	16	5°4981	23°4652	14	9°4250	11°3108
2261	10	22°8600	17°7199				2315	2*	6°2415	23°3859	2	10°1724	11°2529
2262	6	22°9505	17°9978				2316	22§	8°0890	23°6367	23§	12°0125	11°5456
2263	4	4°2755	18°7898	4	8°3169	6°6054	2317	16	12°7108	23°2920	15	16°6424	11°3153
							2318	87§	13°3846	23°1088	98§	17°3205	11°1485
							2319	5	17°6485	23°0278	3*	21°5846	11°1716
							2320	5	5°1801	24°3061	5	9°0867	12°1475
							2321	8	5°8974	24°6722	9	9°7946	12°5281
							2322	10	9°6920	24°6584	8	13°5897	12°6060

Plates 4157, 1695. No. 2238, 2239, 2260, 2261, 2262, 2291 are measured also on plates 4158, 4199.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R. A. 4 <sup>h</sup> 30 <sup>m</sup> to 4 <sup>h</sup> 49 <sup>m</sup> —contd.								R. A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R. A. 4 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 4157. 1898, Oct. 24.				Centre R. A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 1695. 1893, Dec. 14.				Centre R. A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4158. 1898, Oct. 24.				Centre R. A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 4199. 1898, Dec. 19.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
2323	3	10°5499	24°3273	3	14°4541	12°2945		2373	4*	13°6763	15°3770	3*	13°7108	3°3885	
2324	19§	11°5508	24°0885	20	15°4634	12°0832		2374	11	13°7889	15°1138	7	13°8241	3°1243	
2325	24§	11°6826	24°0755	23§	15°5950	12°0738	70 319	2375	9	14°0175	15°7152	7	14°0515	3°7255	
2326	2	14°1107	24°6568					2376	3*	15°2912	15°9731	2*	15°3296	3°9853	
2327	4	15°0934	24°4904	3*	18°9933	12°5719		2377	7	16°8508	15°0768	3*	16°8896	3°0887	
2328	6	17°4881	24°1038	5	21°3968	12°2455		2378	18	17°2862	15°3969	16	17°3211	3°4091	
2329	4	18°4321	24°4090	3†	22°3349	12°5736		2379	25§	17°7739	15°2594	25	17°8104	3°2705	
2330	18	20°2180	24°3154	18	24°1193	12°5228		2380	8	19°5800	15°1807	5*	19°6168	3°1967	
2331				6	8°0614	13°5351		2381	4	21°4137	15°9703				
2332	2*	6°9760	25°2704	2	10°8608	13°1517		2382	6	21°4515	15°3491				
2333	21§	9°2197	25°5939	21	13°0944	13°5323		2383	18	22°4444	15°0245	11	22°4824	3°0367	
2334	32§	11°8893	25°5568	33§	15°7628	13°5601		2384	5	23°9390	15°1620				
2335	15	15°8312	25°1741	16	19°7133	13°2764		2385	7	4°3017	16°6367	3*	4°3395	4°6454	
2336	3	17°5488	25°7878	4*	21°4148	13°9291		2386	13	7°4934	16°5515	9	7°5302	4°5612	
2337	4	17°9153	25°4214	4	21°7932	13°5708		2387	3*	7°6266	16°2073	2*	7°6616	4°2162	
2338	13	19°3770	25°6010	14	23°2480	13°7879		2388	16	8°5925	16°2230	11	8°6300	4°2305	
2339	15	5°4278	26°1123	17	9°2878	13°9588		2389	3*	9°2532	16°3337	2*	9°2917	4°3453	
R. A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup>								2390	6	10°3474	16°6170	4*	10°3836	4°6269	
Centre	R. A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4158. 1898, Oct. 24.			R. A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 4199. 1898, Dec. 19.				2391	40§	10°6825	16°4409	34§	10°7196	4°4492	70 338 9°4
2340	7	3°5099	14°8254					2392	8	12°0985	16°2568	7	12°1342	4°2662	
2341	24§	7°0242	14°4463	27	7°0612	2°4829		2393	5	13°1500	16°5983	5†	13°1858	4°6085	
2342	22§	7°9598	14°0275	15	7°9950	2°0365		2394	21	13°6133	16°6873	21	13°6489	4°6981	
2343	6	8°7203	14°8861	4*	8°7572	2°8959		2395	24§	15°2438	16°6525	22	15°2806	4°6632	
2344	36§	9°3908	14°8656	35§	9°4301	2°8737	69 296	2396	4	15°4421	16°7358	2*	15°4789	4°7484	
2345	4	9°9363	14°6964					2397	20	15°6400	16°0000	17	15°6773	4°0113	
2346	9	11°2808	14°8453	5	11°3176	2°8544		2398	4	16°0393	16°1788	3*	16°0740	4°1900	
2347	10	11°6136	14°4873	7	11°6503	2°4977		2399	4*	16°1249	16°7859	2*	16°1605	4°7975	
2348	4	12°0090	14°4009	3*	12°0445	2°4093		2400	9	16°7705	16°2328	7	16°8075	4°2414	
2349	8	12°6625	14°8687	5†	12°7001	2°8761		2401	8	17°6408	16°5774	6†	17°6788	4°5901	
2350	9	12°7601	14°9900	6	12°7959	2°9945		2402	4	17°9090	16°7379	4*	17°9467	4°7523	
2351	25§	13°4905	14°3635	21	13°5300	2°3717		2403	5	20°2017	16°9488	3*	20°2388	4°9628	
2352	5	13°6695	14°7638	4*	13°7073	2°7753		2404	15	22°8301	16°9793	9*	22°8662	4°9957	
2353	61§	14°4400	13°9685	52§	14°4788	1°9763	69 304	2405	42§	24°8365	16°7875	49§	24°8722	4°8008	70 348 8°8
2354	13	14°4892	14°0988	10	14°5257	2°1100		2260	7	2°3776	17°6909	4*	2°4130	5°6974	
2355	7	14°7503	14°5547	4*	14°7867	2°5676		2261	16	2°6257	17°9236	8	2°6600	5°9296	
2356	8	15°9213	14°3630	3*	15°9592	2°3756		2406	50§	2°7446	17°5592	48§	2°7775	5°5641	70 333 8°3
2357	4†	17°4306	14°2553	3*	17°4681	2°2678		2407	12	8°8436	17°1750	10	8°8799	5°1833	
2358	32§	17°8356	14°9456					2408	4*	11°6616	17°0301	3*	11°6989	5°0402	
2359	32§	19°1224	14°9016	38	19°1603	2°9141		2409	5	11°7498	17°2668	4*	11°7842	5°2775	
2360	20§	22°1810	14°3862	42	22°2196	2°4002	69 311	2410	4	11°9182	17°1680	4†	11°9546	5°1764	
2361	20§	22°5436	14°9213	16	22°5810	2°9356		2411	17§	13°1900	17°0858	15	13°2283	5°0970	
2362	39§	22°7608	14°5775	46§	22°7995	2°5933	69 314	2412	3*	13°4980	17°5518	3*	13°5351	5°5639	
2238	34§	1°9903	15°5078	40	2°0273	3°5154	70 332	2413	4	13°5524	17°4274	3	13°5872	5°4390	
2239	19	2°2910	15°6793	9*	2°3288	3°6863		2414	3*	14°2071	17°4037	3*	14°2406	5°4163	
2362	16	2°6752	15°2598	9*	2°7101	3°2673		2415	22	17°2022	17°4462	21	17°2396	5°4580	
2363	5	5°3781	15°9333					2416	11	17°2655	17°8046	9	17°2998	5°8147	
2364	15	5°4934	15°5740	10	5°5290	3°5788		2417	29§	17°3489	17°4967	24§	17°3832	5°5083	70 341 9°2
2365	11	6°0403	15°9048	5*	6°0763	3°9119		2418	38§	19°3242	17°1567	39§	19°3603	5°1701	70 342 9°5
2366	24§	6°9488	15°3269	17	6°9835	3°3389		2419	18§	19°7457	17°8254	12	19°7806	5°8385	
2367	20	9°2271	15°2252	17	9°2620	3°2337	70 337	2420	17§	20°3589	17°6260	13	20°3936	5°6389	
2368	24§	9°8933	15°1440	24	9°9304	3°1529		2421	5	21°2880	17°9207	3*	21°3218	5°9368	
2369	9	11°0380	15°6091	6*	11°0741	3°6179		2262	11	2°7385	18°1936	7*	2°7747	6°2030	
2370	7	12°6285	15°2536	5*	12°6625	3°2599		2422	5	3°0028	18°0650	3*	3°0396	6°0747	
2371	20§	12°7836	15°4448	19	12°8202	3°4538		2423	10	5°2466	18°3906	6	5°2808	6°3970	
2372	5	13°4875	15°3072	4*	13°5221	3°3178		2424	13	5°4849	18°0665	7	5°5196	6°0740	
								2425	7	7°9478	18°6646	5*	7°9791	6°6707	
								2426	16	8°3183	18°3016	13	8°3518	6°3089	
								2427	12	10°0208	18°4483	9	10°0548	6°4557	
								2428	52§	11°3224	18°9377	42§	11°3597	6°9488	70 339 8°4

Plates 4158, 4199. No. 2495, 2535, 2536, 2556, 2568 are measured also on plates 3359, 4370.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.

R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.						R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				
Plate 4158. 1898, Oct. 24.			Plate 4199. 1898, Dec. 19.			Plate 4158. 1898, Oct. 24.			Plate 4199. 1898, Dec. 19.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.						B. D.							
No. Mag.						No. Mag.							
2429	3*	11'9960	18'3546	3*	12'0290	6'3663	2487	16§	12'1626	21'6836	15	12'1942	9'6922
2430	23§	12'0928	18'5888	21	12'1284	6'5985	2488	15	12'3444	21'9456	12	12'3794	9'9550
2431	9	12'7525	18'7165	7	12'7899	6'7244	2489	3	12'9083	21'3798	4*	12'9392	9'3893
2432	2*	12'8196	18'3054	2*	12'8549	6'3171	2490	15	12'9396	21'8780	13	12'9728	9'8897
2433	17	13'3342	18'2683	15	13'3697	6'2773	2491	7	15'6263	21'6852	6	15'6609	9'6951
2434	6	13'8659	18'7158	5*	13'9007	6'7270	2492	9	18'1486	21'6999	8	18'1809	9'7128
2435	6	14'0755	18'2778	4	14'1097	6'2892	2493	23§	18'5404	20'9880	22§	18'5744	9'0020
2436	21§	16'0805	18'9973	20§	16'1159	7'0090	2494	9	24'3400	21'2036	9†	24'3722	9'2195
2437	6	17'3054	18'6123	4*	17'3405	6'6264	2495	24	25'3135	21'0620	21	25'3484	9'0805
2438	20§	18'9983	18'5853	24§	19'0325	6'5966	2496	12	5'3100	22'1081	11	5'3416	10'1167
2439	4	19'6750	18'5358	3*	19'7111	6'5510	2497	52§	6'1572	22'2260	47§	6'1896	10'2335
2440	29§	20'1710	18'4251	28§	20'2095	6'4381	2498	17	6'1710	22'2464	14	6'2043	10'2538
2441	23§	20'2968	18'0163	24	20'3316	6'0293	2499	15	9'9526	22'1306	11	9'9873	10'1415
2442	19§	20'6809	18'7703	17	20'7163	6'7832	2500	4	13'3459	22'1043	3*	13'3776	10'1125
2443	5*	23'0180	18'5076	3	23'0506	6'5257	2501	4	15'0043	22'7943	5	15'0390	10'8027
2444	27§	24'1552	18'7546	30	24'1893	6'7676	2502	4	15'1597	22'6834	4*	15'1905	10'6939
2445	10	2'2649	19'8772	6	2'3002	7'8841	2503	21	15'3802	22'5594	16	15'4151	10'5700
2446	9	4'5070	19'8533	7	4'5410	7'8586	2504	4	16'3322	22'5708	4*	16'3679	10'5814
2447	14	4'5192	19'0610	11	4'5537	7'0693	2505	4	18'2899	22'2526	4*	18'3244	10'2668
2448	3*	5'0879	19'3859	3*	5'1195	7'3953	2506	24§	18'3754	22'3940	21§	18'4097	10'4053
2449	3*	5'4387	19'8256	2*	5'4709	7'8258	2507	14	18'9583	22'5963	9	18'9895	10'6068
2450	23§	5'7610	19'2450	22	5'7935	7'2516	2508	3*	19'3292	22'4449	3	19'3613	10'4583
2451	4	6'9120	19'5										

1 réseau interval represents very nearly  $5' = 58^{\text{h}}.5$  of R.A. at Dec.  $+70^{\circ}$ , and  $61^{\text{h}}.4$  at Dec.  $+71^{\circ}$ .



## ZONE + 70°.

B. D.							B. D.									
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	
R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +70° R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°							Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70° R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°									
Plate 4158. 1898, Oct. 24. Plate 4199. 1898, Dec. 19.							Plate 3359. 1897, Feb. 17. Plate 4370. 1899, March 14.									
2546	58§	15.4880	24.1216	51§	15.5193	12.1330	70° 340	m.	2600							
2547	4	15.9500	24.4404	4	15.9835	12.4508			2601	3	9.9325	16.5239	4	5.5040	4.7522	
2548	5	17.2597	24.6803	4	17.2907	12.6930			2602	6	10.8702	16.2682	4	5.9286	4.6156	
2549	4*	18.5797	24.0821	4	18.6138	12.0945			2603				8	6.8602	4.3434	
2550	4*	18.6770	24.5438	4*	18.7104	12.5558			2604				4	7.0700	4.0613	
2551	22§	19.4094	24.7247	19	19.4403	12.7341			2605	6	11.1499	16.5040	2†	7.1271	4.5549	
2552	4*	21.4098	24.0941	5*	21.4404	12.1072			2606	13	11.4460	16.0783	10	7.1452	4.5746	
2553	9	22.3406	24.2115	10	22.3733	12.2254			2607				16§	7.4349	4.1429	
2554	12	23.7641	24.3520	14	23.7963	12.3646			2608	20§	14.2585	16.6924	3	9.7500	4.9055	
2555	4*	24.3365	24.9316	5*	24.3673	12.9483			2609				26§	10.2560	4.7083	
2556	10	24.9465	24.0871	11	24.9766	12.1030			2610	7	18.2905	16.7358	4	11.5890	4.9685	
2557	5*	11.3393	25.4071	6	11.3695	13.4184			2611				10	14.2898	4.6849	
2558	8	12.9575	25.2011	7	12.9883	13.2081			2612				3†	14.8994	4.0772	
2559	4*	13.1335	25.3253	4*	13.1669	13.3361			2613	7	20.6434	16.1380	3	16.1893	4.2990	
2560	21§	14.4149	25.6185	20	14.4453	13.6294			2614	3	22.8590	16.1468	9	16.6314	4.0488	
2561	5*	14.4670	25.3491	4	14.5003	13.3572			2615	4	6.4140	17.5193	5	18.8483	4.0200	
2562	4*	14.9025	25.6913	4	14.9338	13.7017			2616	3	6.4730	17.3459	6	2.4251	5.6685	
2563	7	15.0778	25.4674	6	15.1099	13.4764			2617	3	6.4730	17.3459	4	2.4870	5.4955	
2564	5	16.4213	25.7328	4*	16.4561	13.7453			2618	4	6.9185	16.9353	8	2.9210	5.0750	
2565	21§	16.5069	25.7020	19§	16.5387	13.7132			2619				3	5.8005	5.8067	
2566	18	17.7726	25.6222	19§	17.8049	13.6334			2620	8	10.1112	17.1417	10	6.1172	5.2275	
2567	9	20.3384	25.8474	10	20.3693	13.8611			2621	11	11.0305	17.9251	19§	7.0495	5.9958	
2568	8*	25.6331	25.1610	8	25.6630	13.1723			2622	3	11.1001	17.3656	5	7.1104	5.4355	
R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup>							R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup>									
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70° R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°							Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70° R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°									
Plate 3359. 1897, Feb. 17. Plate 4370. 1899, March 14.							Plate 3359. 1897, Feb. 17. Plate 4370. 1899, March 14.									
2569	8	5.6705	14.6728	7	1.6378	2.8345			2623	28§	11.5669	17.3429	25§	7.5743	5.4053	
2570	8	6.2771	14.1887	8	2.2330	2.3397			2624	25§	11.5677	17.5523	23§	7.5785	5.6146	
2571	4	6.3981	13.9838	5*	2.3509	2.1354			2625				3	8.7860	5.0913	
2572	4	9.7121	14.3046	6	5.6710	2.3971			2626				3	9.0952	5.8525	
2573	4	12.5536	14.6861	10	8.5194	2.7321			2627				3	10.2109	5.4470	
2574	8	14.0829	14.0088	15	10.0365	2.0260			2628	(3*)	15.5858	17.9672	6	11.6056	5.9643	
2575	5	16.5134	14.6559	7	12.4788	2.6359			2629	6	18.9340	17.6361	9	14.9488	5.5753	
2576	30§	16.9768	14.9640	34§	12.9450	2.9353	70 357	8.6	2630	4	19.6918	17.8540	6	15.7095	5.7784	
2577	4*	17.3861	14.4476	4	13.3478	2.4138			2631				3	16.5505	5.7870	
2578				4	17.3473	2.2445			2632	4	20.7608	17.5068	6	16.7710	5.4117	
2579				3	18.7233	2.3903			2633	4	20.8877	17.3409	6	16.8966	5.2465	
2580				4	19.0600	2.8453			2634	23§	21.1683	17.3941	25§	17.1769	5.2945	
2581	4	5.6824	15.0978	4*	1.6554	3.2627			2635	83§	21.4868	17.6683	80§	17.4980	5.5644	
2582	11	5.7052	15.0894	8	1.6764	3.2503			2636	5	5.4820	18.6405	5	1.5166	6.8048	
2583	21§	5.8175	15.8364	40§	1.7992	3.9953	70 349	9.5	2637	6	5.8836	18.0920	8	1.9078	6.2490	
2584	12	7.4057	14.9061	14	3.3747	3.0425			2638	9	6.3169	18.3810	13	2.3429	6.5312	
2585	19§	9.0795	15.7019	26§	5.0603	3.8060			2639				3	5.0390	6.7590	
2586	78§	9.4460	15.6261	80§	5.4240	3.7220	70 351	6.7	2640				3	8.4485	6.4260	
2587	18	9.9058	15.8738	26§	5.8902	3.9628			2641				3	12.4644	6.5967	
2588	8	12.9313	15.0160	14	8.9015	3.0561			2642	42§	16.8880	18.9218	36§	12.9228	6.8943	
2589	3*	13.8767	15.3385	4*	9.8565	3.3642			2643				4	13.4945	6.9412	
2590	8	14.0143	15.8269	16§	9.9963	3.8491			2644	16	17.6919	18.6724	18§	13.7230	6.6312	
2591				3*	11.0365	3.1614			2645				2	13.7845	6.5865	
2592				4	11.6095	3.9245			2646	3†	17.9379	18.4938	6	13.9656	6.4460	
2593	7	16.3944	15.7994	10	12.3784	3.7818			2647				3	15.7482	6.1587	
2594	6	18.2034	15.0975	9	14.1751	3.0500			2648	5	5.4266	19.0660	5	1.4650	7.2309	
2595	5	18.9270	15.3567	7	14.9025	3.2955			2649	4	7.3186	19.7756	5	3.3695	7.9109	
2596	4	19.1561	15.8248	6	15.1392	3.7591			2650	6	7.6835	19.3398	7	3.7258	7.4668	
2597	4	20.2672	15.5053	7	16.2435	3.4235			2651				3	5.2790	7.4345	
2598	5	21.2563	15.5098	7	17.2351	3.4109			2652				3	5.3698	7.6303	
2599	13	21.8291	15.2579	24§	17.8016	3.1486			2653				3	6.6223	7.3038	
									2654	8	11.1105	19.9045	10	7.1628	7.9748	
									2655	6†	14.2346	19.8393	8	10.2855	7.8556	
									2656				3	10.9085	7.4135	
									2657	9	14.9398	19.2407	12	10.9800	7.2456	
									2658	5	15.0600	19.5230	6	11.1093	7.5253	

No. 2628. Plate 3359. The 6<sup>min</sup>. image is on the *réseau* line. The diameter given is that of the 3<sup>min</sup>. image.

1 *réseau* interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 20 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 3359. 1897, Feb. 17.				R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 4370. 1899, March 14.				Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 3359. 1897, Feb. 17.				R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 4370. 1899, March 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.						

† réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 5 <sup>h</sup> 11 <sup>m</sup> to 5 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 5 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 5 <sup>h</sup> 44 <sup>m</sup> Dec. +71°					
Plate 3359. 1897, Feb. 17.				Plate 4370. 1899, March 14.				Plate 3862. 1898, Feb. 18.				Plate 4370. 1899, March 21.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
								No.	Mag.								
2772	3*	16°0077	25°2556	6	12°1500	13°2450	°	m.	2825				4	23°4053	11°6053	°	m.
2773	6	17°9451	25°8347	7	14°0966	13°7882			2826				4	24°0003	11°2355		
2774				3	15°2919	13°3108			2827	3†	8°9792	23°6011	6	24°6994	11°6677		
2775	52§	19°1650	25°9123	48§	15°3122	13°8455	70 360	8·4	2828	6	7°8986	24°3442	9	23°5725	12°3435		
2776	5	19°2583	25°4428	6	15°4004	13°3765			2829	3*	4°8414	25°3854	7	20°4595	13°1879		
2777				4	16°9795	13°2446			2830				4	20°6404	13°5652		
2778				4	18°1278	13°8753			2831				3	21°1801	13°8227		
2779				2	18°7576	13°2175			2832				5	23°0205	13°7688		
2780				3	19°1714	13°1819			2833				3	23°4010	13°3820		
R.A. 5 <sup>h</sup> 30 <sup>m</sup> to 5 <sup>h</sup> 36 <sup>m</sup>								R.A. 5 <sup>h</sup> 36 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup>									
Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 5 <sup>h</sup> 44 <sup>m</sup> Dec. +71°				Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°					
Plate 3862. 1898, Feb. 18.				Plate 4370. 1899, March 14.				Plate 3862. 1898, Feb. 18.				Plate 1838. 1894, March 2.					
2781	3	4°9855	15°0845	5†	21°2566	2°9172	°	m.	2834	4	17°4780	14°0854	4*	9°2423	1°9939	°	m.
2782	5	5°6801	14°7173	4*	21°9714	2°5964			2835	4	10°9795	14°7154					
2783	7	5°8558	14°1340	7	22°1855	2°0233			2836	4	22°3737	14°7780	6	14°1581	2°5208		
2784	4	7°5104	14°8045						2837	4	24°0083	15°2995	6	15°8101	2°9875		
2785	7	8°9653	14°3644	7	25°2715	2°4511			2838	6	12°6335	14°9422	6†	4°4293	3°0127		
2786	11	6°3398	15°7760	13	22°5628	3°6929			2839	4	14°3282	15°5299	4	6°1400	3°5429		
2787	6	6°4383	15°3258	8	22°6896	3°2507			2840	3	18°5395	15°6905	4	10°3531	3°5616		
2788	10	8°6080	15°7343	11	24°8294	3°7931			2841	4	20°8202	15°9950	4	12°6431	3°7888		
2789	5	4°5795	16°8708	7	20°7355	4°6738			2842	6	21°9197	15°7939	8	13°7359	3°5498		
2790	2*	6°3021	16°8729	3	22°4570	4°7837			2843	35§	10°2921	16°7133	69§	2°1473	4°8542	70 370	9°1
2791	11	6°3303	16°5715	16	22°5024	4°4853			2844	10	16°4407	16°9063	17	8°2986	4°8470		
2792	5	8°8657	16°1310	5	25°0610	4°2054			2845	19§	18°6680	16°9112	24§	10°5248	4°7755	70 377	9°5
2793				3	20°5576	5°7606			2846	9	18°8990	16°2743	18	10°7337	4°1317		
2794	6	5°1429	17°3913	9	21°2671	5°2266			2847	16	20°6766	16°4344	22§	12°5170	4°2305		
2795	15	7°3173	17°5449	21	23°4272	5°5186			2848	6	22°0705	16°7869	10	13°9204	4°5374		
2796	4	4°8523	18°9738	6	20°8735	6°7915			2849	3	14°7996	17°0203	5	6°6640	5°0150		
2797	30§	6°7608	18°7282	38§	22°7956	6°6649	70 366	9·3	2850	10	16°0522	17°1018	16	7°9172	5°0548		
2798	2†	7°1464	18°3459	4	23°2033	6°3112			2851	5	17°3526	17°2342	8	9°2224	5°1438		
2799	4	8°2711	17°9925	4*	24°3513	6°0248			2852	3*	19°6612	17°3603	4	11°5349	5°1939		
2800	6	9°0512	18°5083	6	25°0984	6°5913			2853	19§	20°5315	17°5251	24§	12°4066	5°3287		
2801				6	20°9688	7°5805			2854	18	20°6697	18°1895	22§	12°5662	5°9880		
2802				3	21°2838	7°7138			2855	11	21°1795	17°7357	15	13°0613	5°5154		
2803	37§	5°4204	19°1617	42§	21°4298	7°0128	70 364	8·7	2856	8	21°1865	17°7084	11	13°0680	5°4880		
2804	18	5°9620	19°9431	22§	21°9204	7°8257			2857	23§	10°0910	17°8564	49§	1°9838	6°0060	70 369	9°4
2805	5	6°8185	19°1052	8	22°8290	7°0451			2858	10	12°0500	18°1559	15	3°9560	6°2454		
2806	19§	8°5434	19°8678	30§	24°5013	7°9164			2859	10	13°2778	18°3436	14	5°1865	6°3855		
2807				4	22°3404	8°2868			2860	7	14°9898	18°6947	11	6°9088	6°6790		
2808	3*	7°6502	20°8923	4	23°5425	8°8814			2861	10	16°1504	18°7423	17	8°0710	6°6888		
2809	3*	8°6802	20°2763	4	24°6113	8°3305			2862	3†	16°2515	18°6957	4	8°1669	6°6378		
2810	19	4°4402	21°4229	20§	20°3098	9°2065			2863	11	17°2002	19°0085	16	9°1275	6°9225		
2811				4	22°1716	9°7174			2864	16	17°5010	18°9658	24§	9°4259	6°8708	70 376	9°5
2812	3	7°0605	21°4830	7	22°9208	9°4340			2865	4	18°3114	18°3617	6	10°2182	6°2375		
2813				3†	23°2059	9°9237			2866	4	21°3335	18°8708	7	13°2531	6°6446		
2814				5	22°3541	10°6461			2867	5	12°8644	19°0118	5	4°7958	7°0688		
2815	12	8°1776	22°7571	16	23°9538	10°7760			2868	5	13°0715	19°1235	7	5°0070	7°1767		
2816				4	24°6107	10°4799			2869	24§	14°0315	19°2260	34§	5°9670	7°2458	70 373	9°5
2817	38§	9°1159	22°0733	46§	24°9339	10°1530	70 367	9°0	2870	3†	16°5152	19°6256	4	8°4660	7°5630		
2818	3	9°1913	22°6301	5	24°9746	10°7142			2871	4	16°5695	19°6071	7	8°5149	7°5414		
2819				5	20°0593	11°2153			2872	22§	16°9198	19°6533	28§	8°8672	7°5743	70 374	9°5
2820	3*	5°4177	23°2745	6	21°1685	11°1158			2873	3	17°6854	19°2877	4	9°6214	7°1858		
2821	25§	5°9531	23°3753	27§	21°6912	11°2528	70 365	9°1	2874	5	22°1454	19°4800	10	14°0858	7°2274		
2822				3	22°0815	11°1668			2875	35§	10°6088	19°9027	55§	2°5671	8°0345	70 371	8·8
2823				3	22°7385	11°6877			2876	8	11°7726	20°4991	15	3°7547	8°5936		
2824				6	23°3578	11°5060			2877	3	13°3059	20°4768	4*	5°2841	8°5224		

No. 2872. B. D. 70° 374. The declination given in the B. D. appears to be about 4' too large.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. +70°, and 61°.4 at Dec. +71°.

## ZONE + 70°.

R.A. 5 <sup>h</sup> 36 <sup>m</sup> to 5 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 00 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 6 <sup>h</sup> 00 <sup>m</sup> Dec. +70°				Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			
Plate 3862. 1898, Feb. 18.				Plate 1838. 1894, March 2.				Plate 669. 1892, Dec. 5.				Plate 1838. 1894, March 2.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
2878	10	14°1628	20°1255	17	6°1285	8°1408	° m.	2931	14	8°6125	18°2949	22	20°8148	6°3763	70° 385 m.
2879				4	7°1203	8°1348		2932	20§	8°8451	18°6861	31§	21°0295	6°7772	
2880	4	16°2799	20°9431	7	8°2744	8°8856		2933	8	11°4380	18°6763	11	23°6213	6°8854	
2881	3*	20°2791	20°6665	4	12°2587	8°4749		2934	6	5°3682	20°6391	10	17°4644	8°5690	
2882				5	13°1195	8°8903		2935	4†	6°1024	20°1074	6	18°2249	8°0678	
2883	3	21°6934	20°7946	6	13°6759	8°5546		2936	4†	6°6264	20°5251	6	18°7293	8°5145	
2884	7	23°6810	20°8548	13	15°6672	8°5502		2937	38§	5°7233	21°3385	43§	17°7880	9°2834	70° 383 9°0
2885	9	10°6775	21°0045	11	2°6765	9°1327		2638	5	7°6651	21°2785	8	19°7293	9°3149	
2886	22§	15°4674	21°7897	26§	7°4868	9°7592		2939	3	9°2525	21°1106	3*	21°3242	9°2170	
2887	4*	20°5835	21°6690	6	12°5995	9°4664		2940	15	9°6274	21°8555	21	21°6644	9°9793	
2888	15	20°9795	21°9703	21§	13°0015	9°7562	70° 381 9°2	2941	11	10°2100	21°7731	13	22°2506	9°9264	
2889	22§	21°0015	21°2846	25§	13°0023	9°0683	70° 380 9°5	2942	23§	12°9501	21°1251	42	25°0180	9°4030	70° 389 9°5
2890				3	13°5302	9°5417		2943	6	13°3070	20°9152	3*	25°3813	9°2115	
2891	3*	23°2628	22°0378	6	15°2880	9°7496		2944	8	6°7900	22°4382	12	18°8019	10°4325	
2892	5	10°3518	21°9648	8	2°3832	10°1039		2945	3*	12°7213	21°7966	3*	24°7573	10°0635	
2893	4	16°7945	22°1934	7	8°8297	10°1191		2946	5†	13°4179	22°3986	3*	25°4262	10°6993	
2894	24§	18°7907	22°5748	28§	10°8365	10°4309	70° 378 9°5	2947	5†	13°6302	22°3859	2*	25°6357	10°6875	
2895				5	15°2097	10°4162		2948	9	10°7504	23°5409	15	22°7093	11°7175	
2896	56§	10°0853	23°2873	69§	2°1597	11°4359	70° 368 8°0	2949	6	11°1566	22°9418	9	23°1425	11°1378	
2897	4	11°7237	22°9850	6	3°7859	11°0785		2950	10	12°2472	22°9693	16	24°2311	11°2149	
2898	16§	12°4197	23°6661	19§	4°5071	11°7370		2951				2†	20°2561	12°3279	
2899	4	14°4731	23°5877	5	6°5583	11°5890		2952	36§	8°7366	24°4713	39§	20°6258	12°5507	70° 384 9°4
2900	3†	14°6489	23°7067	3*	6°7368	11°6985		2953	20§	9°2086	24°1960	24§	21°1376	12°2994	
2901				3†	7°0558	11°1200		2954	26§	9°4640	24°7537	32§	21°3692	12°8678	70° 386 9°3
2902				3	8°8904	11°3999		2955	2*	10°9573	23°9533	3*	22°8961	12°1385	
2903				4	10°3976	11°2919		2956	3*	11°0058	24°5151	3†	22°9238	12°7009	
2904				3	13°9003	11°7062		2957	5	13°3419	24°6839	4	25°2446	12°9773	
2905				4	7°5748	12°4765		2958	7	13°4248	24°2264	9	25°3509	12°5265	
2906	3*	17°0909	25°0364	5	9°2210	12°9548		2959				5	16°5005	13°3550	
2907	26§	19°1388	24°6394	26§	11°2513	12°4834	70° 379 9°4	2960	14	4°8037	25°8784	19	16°6614	13°7778	
2908				7	11°4918	12°8075		2961				5	17°0148	13°4975	
2909				3	13°4425	12°5937		2962	2*	5°5804	25°0427	6	17°4718	12°9788	
2910				4	13°4714	12°0140		2963	11	7°9389	25°4597	20	19°8112	13°5052	
2911				8	15°1905	12°8522		2964	3*	11°0692	25°0961	2*	22°9560	13°2857	
2912				4†	3°2386	13°8737		2965	27§	11°4908	24°9905	34§	23°3822	13°1982	70° 388 9°5
2913				7	4°4864	13°7997		2966	6	13°8905	24°9296	6	25°7831	13°2489	
2914	14	13°3165	25°4877	21§	5°4636	13°5292		R.A. 6 <sup>h</sup> 00 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup>							
2915	13	15°9880	25°3197	20	8°1279	13°2708		Centre R.A. 6 <sup>h</sup> 00 <sup>m</sup> Dec. +70°				Centre R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
2916	9	18°4003	25°4139	20	10°5408	13°2839		Plate 669. 1892, Dec. 5.				Plate 3803. 1897, Dec. 28.			
2917	3	19°0088	25°9673	11	11°1668	13°8168		2967	5	14°7393	14°9353	4*	2°5474	3°2952	° m.
2918				5	14°7351	13°8762		2968	10	15°1031	14°5961	9*	2°8949	2°9442	
2919	13	23°5792	25°5205	22§	15°7218	13°2184	70° 382 9°3	2969	10	15°4308	14°7564	3*	3°2270	3°0847	
R.A. 5 <sup>h</sup> 50 <sup>m</sup> to 6 <sup>h</sup> 00 <sup>m</sup>								2970	5	16°1831	14°2651	3*	3°9566	2°5466	
Centre R.A. 6 <sup>h</sup> 00 <sup>m</sup> Dec. +70°				Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				2971	5	16°2180	14°9494				
Plate 669. 1892, Dec. 5.				Plate 1838. 1894, March 2.				2972	44§	18°4087	14°1039	48§	6°1662	2°2725	70° 394 7°7
2920	6	3°7743	14°4465	9	16°1563	2°3079	° m.	2973	5*	21°8753	14°1546	3*	9°6304	2°1452	
2921	8	8°3635	15°0728	7	20°7132	3°1467		2974	5	14°3481	15°1535				
2922	11	8°5937	15°8086	16	20°9108	3°8879		2975	4	17°9293	15°2091				
2923	4	13°8017	15°7910					2976	8	21°4333	15°2098	4*	9°2428	3°2222	
2924	11	10°8398	16°6353	19	23°1172	4°8214	70° 387 9°5	2977	7	21°9579	15°1551	4	9°7678	3°1416	
2925	4	13°5997	16°0649					2978	5	22°2991	15°6143				
2926	3	5°6050	17°5099	3	17°8445	5°4564		2979	11	15°5086	16°1654	6*	3°3803	4°4854	
2927	7	6°6254	17°0395	12	18°8853	5°0348		2980	5	15°7461	16°8689	3*	3°6520	5°1757	
2928	5	8°7061	17°2294	4	20°9578	5°3166		2981	16	16°7447	16°9953	20§	4°6557	5°2452	
2929	3*	11°7823	16°9658	2*	24°0424	5°1895		2982	5	18°4216	16°7041				
2930	41§	13°3311	17°0370	72§	25°5900	5°3354	70° 390 8°3	2983	24§	19°6075	16°9548	25§	7°5111	5°0563	70° 398 9°5



## ZONE + 70°.

R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 24 <sup>m</sup> —contd.											
Centre R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Plate 669. 1892, Dec. 5.			Centre R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Plate 4196. 1898, Dec. 15.			Plate 3803. 1897, Dec. 28.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
								No.	Mag.									No.	Mag.	
2984	7	20°22'02	16°78'09	8	8°11'54	4°84'98	°	m.	3036	9	10°23'07	16°22'90	7	18°41'06	4°24'58	°	m.			
2985	7	23°49'74	16°70'15	7	11°38'29	4°60'40			3037	4	10°24'58	16°23'13								
2986	20§	14°21'86	17°38'93	28§	2°15'12	5°77'43	70	391	9.3	3038	3	15°11'19	16°44'47	2*	23°28'36	4°63'41				
2987	6	19°58'87	17°75'89	5	7°53'54	5°86'43			3039	6†	4°17'74	17°67'66	4	12°30'80	5°48'20					
2988	17	18°66'15	18°14'59	20§	6°62'92	6°29'75	70	396	9.5	3040	9	7°03'50	17°95'03	6	15°15'66	5°85'40				
2989	4	20°38'37	18°72'43						3041	10	7°10'36	17°54'63	7	15°23'97	5°45'43					
2990	11	20°76'96	18°22'07	9	8°74'02	6°26'32			3042	18§	8°36'90	17°64'37	17§	16°49'98	5°59'42					
2991	7	14°65'11	19°54'06						3043	9	8°58'74	17°14'03	5	16°73'64	5°09'88					
2992	7	16°60'44	19°64'99	6	4°65'34	7°90'63			3044	4	11°62'76	17°96'90	3*	19°74'34	6°03'76					
2993	17§	17°13'40	19°31'43	15§	5°16'31	7°54'39			3045	4	12°78'76	17°19'75	4	20°93'25	5°30'49					
2994	6*	17°87'06	19°92'32	4	5°93'25	8°11'36			3046	8	14°05'55	17°63'02	5	22°18'41	5°78'06					
2995	27§	19°40'69	19°28'49	24§	7°43'37	7°39'56	70	397	9.3	3047	16	14°29'65	17°67'80	10	22°42'43	5°83'70				
2996	4	21°83'18	19°96'60	5	9°88'98	7°94'86			3048	19§	16°49'82	17°29'17	17§	24°63'81	5°52'93					
2997	6	23°01'83	19°39'78	4	11°04'47	7°31'80			3049	19§	16°69'25	17°04'58	14§	24°84'16	5°29'06	70	404	9.5		
2998	6	16°39'60	20°83'20	4	14°50'78	9°09'89			3050	5	7°46'00	18°30'17								
2999	4*	16°58'68	20°35'26	3*	4°66'97	8°60'60			3051	4	7°84'11	18°04'33	3*	15°95'96	5°97'61					
3000	5	17°29'90	20°12'47	4	5°37'02	8°34'41			3052	3	14°95'45	18°75'19								
3001	4	18°44'07	20°33'60	2*	6°52'74	8°49'52			3053	6	15°14'74	18°98'55	4*	23°22'85	7°17'70					
3002	20§	17°49'17	21°48'03	23§	5°63'18	9°68'77	70	392	9.5	3054	8	17°80'45	18°20'37							
3003	8	19°96'55	21°91'40	4	8°12'80	9°99'45			3055	17	4°27'06	19°64'40	11	12°33'43	7°45'10					
3004	13	22°81'08	21°69'88	9	10°95'93	9°63'09			3056	10	4°96'98	19°28'17	7	13°04'53	7°11'23					
3005	6	15°87'91	22°85'17	4*	4°09'87	11°14'17			3057	7	6°01'53	19°60'52	4	14°07'83	7°47'24					
3006	40§	17°50'36	22°25'08	48§	5°68'45	10°45'67	70	393	7.8	3058	2	7°39'88	19°95'83							
3007	10	19°65'92	22°07'65	6	7°83'00	10°17'35			3059	7	8°74'03	19°54'51	5	16°80'58	7°50'82					
3008	5	14°80'08	23°71'56	4	3°06'02	12°06'15			3060	3	13°07'66	19°16'54	3*	21°15'44	7°28'51					
3009	8	15°83'53	23°20'65	5	4°07'05	11°50'00			3061	5	4°08'03	20°29'93	2	12°12'00	8°09'65					
3010	8	17°12'26	23°10'52	4	5°35'15	11°33'29			3062	4*	5°48'57	20°77'21	3*	13°50'94	8°61'94					
3011	55§	18°45'82	23°81'56	56§	6°72'11	11°96'38	70	395	7.0	3063	5*	5°58'12	20°34'57	3	13°61'98	8°19'74				
3012	15	20°03'98	23°60'03	14§	8°28'98	11°67'42			3064	7	10°13'25	20°90'50	4	18°15'01	8°91'59					
3013	10	20°74'15	23°68'10	5	8°99'60	11°71'71			3065	9	13°82'24	20°83'80	8	21°83'69	8°97'98					
3014	4*	22°33'18	23°34'42	3*	10°56'69	11°30'43			3066	4	4°80'58	21°19'63								
3015	5*	18°29'88	24°54'90	3*	6°60'15	12°71'27			3067	23§	7°09'20	21°31'42	18§	15°09'60	9°21'70					
3016	12	20°26'48	24°01'80	10§	8°53'58	12°07'70			3068	8	10°65'92	21°45'53	4	18°65'50	9°48'45					
3017	8*	23°00'36	25°41'47	12§	11°34'28	13°33'33			3069	97§	10°90'65	21°11'82	98§	18°91'67	9°15'63	70	401	6.0		
R.A. 6 <sup>h</sup> 10 <sup>m</sup> to 6 <sup>h</sup> 24 <sup>m</sup>									3070	5	13°27'12	21°83'44	3*	21°25'40	9°95'86					
Centre R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Plate 4196. 1898, Dec. 15.			3071	6	15°23'12	21°01'35	4	23°24'09	9°20'37					
Plate 4196. 1898, Dec. 15.			Plate 3803. 1897, Dec. 28.						3072	6	16°43'23	21°04'40	3*	24°43'62	9°27'68					
3018	5	4°24'82	14°93'20	3*	12°47'89	2°73'90	°	m.	3073	6	7°28'19	22°30'34	4	15°24'90	10°21'40					
3019	14	10°55'55	14°60'61	8	18°79'10	2°63'80			3074	10	8°42'76	22°64'60	6	16°38'25	10°59'51					
3020	14	10°97'05	14°71'35	8	19°20'29	2°75'82			3075	4	9°23'37	22°50'24	4*	17°19'21	10°48'28					
3021	6	12°37'49	14°00'28						3076	3	11°54'35	22°85'13	4*	19°48'86	10°91'56					
3022	12	14°93'28	14°44'25	8	23°17'33	2°62'56			3077	3	13°17'00	22°07'00	3*	21°14'10	10°18'62					
3023	8	16°58'92	14°45'83						3078	5*	5°21'43	23°60'30	4	13°14'15	11°44'16					
3024	3	3°93'76	15°24'63						3079	26§	11°17'52	23°43'31	21§	19°10'20	11°47'83					
3025	14	4°17'96	15°69'61	10	12°38'23	3°50'36			3080	4	11°66'93	23°50'89	3*	19°59'32	11°57'51					
3026	3	5°36'50	15°71'30						3081	22§	11°88'65	23°16'96	20§	19°82'15	11°24'17					
3027	32§	7°78'80	15°35'42	32§	16°00'08	3°28'58	70	399	9.1	3082	17	11°99'50	23°47'32	16	19°91'81	11°54'78				
3028	22§	8°74'13	15°77'25	23§	16°93'82	3°73'68	70	400	9.4	3083	14	12°88'59	23°30'56	11	20°81'50	11°41'25				
3029	3	10°23'00	15°51'16	3*	18°43'74	3°52'59			3084	21§	13°25'28	23°02'48	21§	21°19'15	11°14'53					
3030	23§	10°39'70	15°20'21	21§	18°61'37	3°22'49			3085	24§	14°59'38	23°59'64	21§	22°50'98	11°76'40	70	403	9.5		
3031	10	14°10'94	15°91'44	5	22°30'07	4°06'87			3086	4	17°25'77	23°86'82								
3032	3	16°25'49	15°58'55						3087	28§	17°69'33	23°03'78	32§	25°62'98	11°31'46	70	405	9.2		
3033	4	4°07'08	16°54'12						3088	5*	6°28'71	24°32'89	4	14°18'68	12°20'42					
3034	6	5°52'14	16°79'02	4*	13°68'40	4°64'28			3089	23§	9°37'13	24°56'85	20§	17°25'90	12°55'22					
3035	3	8°37'72	16°13'08						3090	4*	10°29'17	24°64'15	3*	18°17'59	12°66'14					
									3091	10	14°75'67	24°90'08	5	22°63'01	13°07'35					
									3092	10	16°04'58	24°94'42	8	23°91'73	13°16'20					
									3093	11	13°45'05	25°15'54	9	21°31'53	13°28'15					
									3094	4†	13°97'89	25°00'50	4	21°84'43	13°15'15					

x réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 6 <sup>h</sup> 24 <sup>m</sup> to 6 <sup>h</sup> 30 <sup>m</sup>								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>							
Centre		R.A. 6 <sup>h</sup> 20 <sup>m</sup> Dec. +70°		R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre		R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. +70°		R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 4196. 1898, Dec. 15.		Plate 3376. 1897, March 3.						Plate 3022. 1896, Feb. 25.		Plate 3376. 1897, March 3.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.		Mag.		No.		Mag.		No.		Mag.		No.		Mag.	
3095	5	23°9890	14°5716	5	7°5075	2°4157	°	m.	3148	6	22°7929	14°2680		°	m.
3096	12	24°0640	15°0433	13	7°6115	2°8841			3149	21§	22°8208	14°2819	27	26°9495	2°3854
3097	13	20°7995	15°5479	16	4°3860	3°5975			3150	3	5°6544	15°3904			
3098	9	21°2769	15°0942	11	4°8331	3°1162			3151	11	5°8664	15°3618	9	9°9816	3°2257
3099				3	6°2986	4°5112			3152	10	6°4391	15°4118	9	10°5570	3°2840
3100	5†	22°6880	16°8970	4	6°3597	4°8203			3153	3	6°7369	15°7318			
3101				3	7°7057	4°5913			3154	3	7°0325	15°3418			
3102	18	24°1140	16°5440	17	7°7591	4°3759			3155	3	7°4262	15°8292			
3103	5	18°8066	17°5465	5	2°5308	5°7247			3156	3	8°0655	15°1998			
3104	10	18°1505	18°1573	13	1°9138	6°3765			3157	14§	10°0967	15°6840	16	14°2079	3°6052
3105	8	18°6199	18°0005	11	2°3733	6°1897			3158	3	12°5233	15°1769			
3106	7	23°4813	18°8821	9	7°2793	6°7484			3159	5	14°7239	15°6618	3	18°8341	3°6507
3107				4	6°2134	7°8509			3160	7	15°7684	15°4702	4	19°8806	3°4751
3108				3	6°8719	7°7098			3161	4	15°8730	15°6594			
3109	13	19°2340	20°8282	12	3°1691	8°9693			3162	4	17°1144	15°0444			
3110	4	19°9273	20°1627	4	3°8182	8°2585			3163	6	18°5485	15°3963	3	22°6603	3°4364
3111	8	20°1813	20°7938	9	4°1112	8°8742			3164	22§	19°8301	15°9588	33§	23°9353	4°0153
3112	10	21°4098	20°7235	13	5°3327	8°7238			3165	5	19°9820	15°1860		70 425	9°0
3113	3	21°4540	20°3448	4	5°3566	8°3435			3166	23§	21°7567	15°1416	30§	25°8720	3°2276
3114	5	18°0875	21°0250	5	2°0379	9°2426			3167	8	21°9390	15°8494	5*	26°0415	3°9439
3115	5	18°2762	21°1119	6	2°2328	9°3142			3168	5	5°3606	16°8580	4	9°4556	4°7145
3116	64§	19°5772	21°0465	61§	3°5236	9°1651	70 406	7°2	3169	6	5°7621	16°5710	5	9°8596	4°4329
3117	15	18°5550	22°3965	17	2°5925	10°5790			3170	4	6°0425	16°4588			
3118	11	19°2171	22°0478	10	3°2305	10°1856			3171	4	7°5155	16°3993	3*	11°6169	4°2863
3119				4	5°9132	10°4778			3172	3	9°1317	16°5636			
3120				4	7°3309	10°4056			3173	9	10°2502	16°6424	9	14°3489	4°5655
3121	7	23°6414	22°9419	10	7°7083	10°7910			3174	6	11°0940	16°7620	6	15°1887	4°6962
3122	28§	19°8801	23°1237	27§	3°9618	11°2150	70 407	9°4	3175	21§	13°2333	16°2478	21§	17°3352	4°2142
3123	5	19°7600	24°3652	6	3°9249	12°4647			3176	12§	13°6397	16°5289	14	17°7369	4°5013
3124	10	19°8946	24°2738	12	4°0516	12°3645			3177	20§	14°6425	16°4368	23	18°7401	4°4240
3125				3	7°8178	12°8185			3178	4	14°6519	16°4366	3	18°7495	4°4244
3126				3	7°9001	12°3740			3179	4	16°0507	16°7611	3	20°1464	4°7660
3127				4	2°6065	13°5526			3180	3	18°4403	16°1350			
3128	32	21°5453	25°7547	26§	5°7960	13°7345	70 408	9°3	3181	6	18°5601	16°7918	3†	22°6553	4°8352
R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 49 <sup>m</sup>								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>							
Centre		R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. +70°		R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre		R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. +70°		R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 3022. 1896, Feb. 25.		Plate 3376. 1897, March 3.						Plate 3022. 1896, Feb. 25.		Plate 3376. 1897, March 3.					
No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.								B. D.							
No.		Mag.		No.		Mag.		No.		Mag.		No.		Mag.	
3129	3	11°3089	13°9723				°	m.	3182	13	18°6860	16°6505	12	22°7810	4°6934
3130	9	22°5811	13°9893						3183	4	18°9433	16°4575			
3131	4	8°3629	14°1647						3184	9	19°3959	16°9459	7	23°4885	5°0005
3132	6	9°2879	14°8393	5	13°4099	2°7518			3185	15§	19°6594	16°3185	13	23°7604	4°3743
3133	17§	9°8508	14°9345	16	13°9708	2°8553			3186	43§	20°2427	16°6599	63§	24°3382	4°7232
3134	16§	10°9608	14°8064	16	15°0808	2°7437			3187	6	22°5557	16°2053		70 427	8°0
3135	7	12°3411	14°2228	4	16°4709	2°1768			3188	23§	4°3857	17°5600	27§	8°4701	5°4013
3136	10	12°5427	14°9638	9	16°6610	2°9230			3189	14	4°6103	17°0388	12	8°6998	4°8852
3137	12	12°7267	14°0477	11	16°8598	2°0068			3190	21§	5°1095	17°2646	22§	9°1973	5°1168
3138	4	13°4487	14°7655						3191	4	7°2275	17°3225	4	11°3160	5°2040
3139	3	14°3767	14°3333						3192	3	9°0830	17°7820	3	13°1619	5°6885
3140	6	14°8134	14°8021	4	18°9328	2°7918			3193	4	9°4144	17°6411	2*	13°4933	5°5532
3141	4	15°6247	14°4187						3194	4	9°7947	17°1343	3	13°8806	5°0553
3142	3	15°7493	14°7076						3195	31§	10°2357	17°9376	38§	14°3113	5°8612
3143	19§	16°3809	14°8743	23	20°5005	2°8842			3196	3	10°8080	17°6910	3*	14°8890	5°6214
3144	8	16°8458	14°3798	4	20°9765	2°3961			3197	3	11°2146	17°6669			
3145	7	19°4596	14°8015						3198	3	12°4156	17°0847			
3146	3	20°1162	14°8123						3199	6	13°8674	17°4284	6	17°9513	5°4043
3147	12	21°2731	14°0390	6*	25°4022	2°1220			3200	5	16°4700	17°2586	4	20°5576	5°2677
									3201	9	17°0050	17°2502	9	21°0903	5°2713
									3202	19§	19°4919	17°6657	23§	23°5715	5°7207
									3203	3	20°2171	17°1664			
									3204	5	22°0787	17°2651			
									3205	18§	22°4196	17°3901	21	26°5069	5°4846
									3206	4	22°4324	17°3712			

Plates 3022, 3376. Nos. 3130, 3149, 3205, 3207 are measured also on plates 1787, 3340.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.



## ZONE + 70°.

R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 30 <sup>m</sup> to 6 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 6 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 3022. 1896, Feb. 25.				Plate 3376. 1897, March 3.				Plate 3022. 1896, Feb. 25.				Plate 3376. 1897, March 3.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

Plate 3022. No. 3247. Plate 3376. Nos. 3250, 3321. The 6<sup>min.</sup> images of these stars fall on *réseau* lines. The diameters given are those of the 3<sup>min.</sup> images.

1 *réseau* interval represents very nearly 5' = 58<sup>s</sup>.5 of R.A. at Dec. + 70°, and 61<sup>s</sup>.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 6 <sup>h</sup> 48 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup>								R.A. 6 <sup>h</sup> 47 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			
Plate 1787. 1894, Feb. 12.				Plate 3340. 1897, Jan. 25.				Plate 1787. 1894, Feb. 12.				Plate 3340. 1897, Jan. 25.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
3322	10	13°22'76	13°9'755	4*	13°15'81	2°03'61	° m.	3377	3	5°19'19	21°7'165				
3130	5	2°12'58	14°05'09					3378	20	5°35'23	21°30'00	6	5°29'60	9°37'39	
3149	30	2°38'67	14°32'46	13	2°31'85	2°40'52		3379	7	8°45'51	21°49'85	2*	8°39'88	9°56'49	
3323	5	5°30'15	14°99'43					3380	15	11°04'00	21°07'12	5*	10°98'11	9°13'51	
3324	18	7°31'70	14°48'88	5	7°25'03	2°56'25		3381	4	15°21'66	21°46'56	2*	15°15'91	9°52'01	
3325	5	10°33'10	14°23'07					3382	13	19°11'52	21°08'35	3	19°05'73	9°13'35	
3326	10	17°37'24	14°04'50	2*	17°30'02	2°09'96		3383	19	20°18'05	21°34'14	4	20°12'06	9°38'69	
3327	17	2°92'58	15°25'35	3*	2°85'89	3°33'43		3384	42§	13°09'02	22°77'13	22§	13°03'43	10°82'74	70 436 9'2
3328	3	16°29'24	15°15'01					3385	15	15°19'33	22°06'56	4	15°13'68	10°12'10	
3329	6	6°80'29	15°61'59					3386	58§	18°64'58	22°12'29	29§	18°58'83	10°17'67	70 441 7'8
3330	27§	10°00'35	15°71'06	16	9°93'57	3°77'50	70 434 9'2	3387	10	19°34'49	22°70'73	3	19°28'91	10°75'55	
3331	5	11°09'62	15°35'89					3388	14	20°47'99	22°59'22	5	20°42'06	10°64'52	
3332	15	18°48'13	15°54'16	3*	18°41'58	3°59'51		3389	56§	7°97'83	23°49'36	24§	7°92'37	11°56'03	70 431 8'9
3333	9	19°88'81	15°81'80	3*	19°81'91	3°86'85		3390	15	8°82'49	23°78'95	4	8°76'99	11°85'50	
3334	32§	21°30'26	15°35'84	19	21°23'49	3°40'50	70 444 9'3	3391	7	11°01'78	23°46'72	3*	10°96'26	11°52'89	
3335	17	21°70'42	15°38'83	4*	21°63'64	3°43'53		3392	18	14°09'46	23°11'71	5	14°04'00	11°17'50	
3336	22§	25°82'94	15°62'99	10	25°76'07	3°66'58		3393	15	14°58'16	23°15'68	4	14°52'46	11°21'39	
3337	6	3°65'42	16°59'49					3394	7	23°32'31	23°45'45	4*	23°26'52	11°49'41	
3338	13	5°60'96	16°79'82	3*	5°54'19	4°87'39		3395	6*	24°97'44	23°46'69	4*	24°91'71	11°50'48	
3339	18	6°59'06	16°42'62	5†	6°52'62	4°49'68		3396	3*	2°23'86	24°41'96	3*	2°18'82	12°50'34	
3340	14	17°13'06	16°82'34	4	17°06'31	4°87'55		3397	25	8°07'35	24°16'98	8	8°02'18	12°23'87	
3341	25§	19°41'25	16°78'22	13	19°34'56	4°83'18	70 442 9'5	3398	76§	8°66'85	24°54'47	35§	8°61'64	12°60'74	70 432 6'5
3342	4	19°50'70	16°55'95					3399	7	15°05'15	24°34'86				
3343	56§	25°62'81	16°85'13	35	25°56'27	4°88'62	70 447 8'6	3400	9	24°50'79	24°72'26	5†	24°45'03	12°75'91	
3205	20	2°24'55	17°45'17	4*	2°18'36	5°53'19		3401	104§	4°22'24	25°47'60	50§	4°17'53	13°54'71	70 430 6'0
3207	6	2°60'69	17°31'53					3402	18	15°11'59	25°52'14	6	15°06'46	13°57'77	
3344	4	7°63'55	17°10'67					3403	6	15°53'73	25°64'39	3*	15°48'33	13°69'46	
3345	6	12°16'64	17°62'52	2*	12°10'26	5°68'49		R.A. 7 <sup>h</sup> 11 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup>							
3346	8	17°31'15	17°97'83	2*	17°24'83	6°03'40		Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			
3347	14	20°93'81	17°97'85	4*	20°87'11	6°02'56		Plate 3012. 1896, Feb. 11.				Plate 4371. 1899, March 14.			
3348	5	11°90'30	18°44'37					3404	6	6°75'89	14°27'54				
3349	27§	14°60'84	18°33'92	15	14°54'48	6°39'60	70 438 9'5	3405	12	8°62'82	14°90'23	8	4°49'06	3°03'25	
3350	7	14°80'16	18°75'03	2*	14°73'94	6°80'61		3406	8	13°56'31	14°17'20	5	9°41'76	2°20'28	
3351	14	6°92'22	19°48'80	3	6°86'02	7°55'93		3407	19	17°83'65	14°82'56	17	13°69'99	2°76'97	
3352	3	9°88'44	19°85'12					3408	19	23°76'91	14°36'64	18	19°62'05	2°19'48	
3353	4	11°93'61	19°68'55					3409	11	5°14'96	15°35'45	5*	1°02'53	3°54'85	
3354	26§	12°38'95	19°96'55	17	12°32'91	8°02'55	70 435 9'4	3336	19	5°42'64	15°47'43	16	1°30'05	3°66'24	
3355	20	13°57'25	19°78'93	6	13°51'12	7°84'67		3410	6	5°72'80	15°35'30				
3356	15	16°23'24	19°25'15	5	16°17'00	7°30'50		3411	47§	7°37'13	15°66'57	55§	3°25'00	3°81'44	70 450 8'2
3357	6	16°41'47	19°12'47	2*	16°35'16	7°17'71		3412	6	8°37'14	15°90'40	4*	4°25'80	4°03'64	
3358	24	17°39'78	19°13'87	14	17°33'38	7°19'25	70 440 9'3	3413	13	10°75'42	15°94'50	13	6°64'00	4°02'93	
3359	4	17°63'82	19°42'62					3414	6	11°05'05	15°86'70	6	6°93'31	3°94'53	
3360	6	18°84'30	19°78'84					3415	5	12°24'98	15°16'24	4	8°11'90	3°21'53	
3361	16	21°56'55	19°60'84	5	21°50'14	7°65'44	70 445 9'2	3416	11	13°11'04	15°70'87	11	8°99'08	3°74'57	
3362	7*	24°80'05	19°81'62	3*	24°73'31	7°85'66		3417	3*	13°11'58	15°79'72	3*	8°99'78	3°83'59	
3363	49§	3°44'86	20°21'35	23	3°39'04	8°29'18	70 429 8'8	3418	13§	13°11'59	15°81'08	19§	8°99'83	3°84'72	70 455 9'1
3364	24	3°51'86	20°46'27	8	3°46'10	8°54'10		3419	9	19°23'75	15°67'76	8	15°11'65	3°59'36	
3365	6	5°69'67	20°21'73					3420	14	19°25'64	15°65'87	12	15°13'53	3°57'46	
3366	19	6°15'30	20°61'57	6	6°09'63	8°68'58		3421	6	20°84'82	15°71'98	9	16°72'44	3°60'27	
3367	25	9°45'90	20°72'29	11	9°40'01	8°78'72	70 433 9'4	3422	7	22°70'92	15°21'61	6	18°58'08	3°06'43	
3368	4	14°53'28	20°34'64	2*	14°47'43	8°40'43		3343	41§	5°32'20	16°70'59	60§	1°22'20	4°89'51	70 447 8'6
3369	17	14°92'94	20°29'74	5	14°86'92	8°35'41		3423	32§	6°03'10	16°29'22	34§	1°92'25	4°46'85	70 448 8'5
3370	17	15°75'02	20°12'75	4	15°68'78	8°18'48	70 439 9'5	3424	4	7°20'98	16°43'46				
3371	10	15°99'18	20°76'63	4	15°93'03	8°18'93		3425	13	9°77'88	16°42'55	11	5°67'12	4°52'84	
3372	10	16°97'98	20°08'87	3	16°91'39	8°14'18		3426	9	12°89'23	16°32'80	10	8°78'43	4°36'96	
3373	6	19°33'44	20°14'26	3*	19°27'22	8°19'03		3427	17	13°21'15	16°38'76	19	9°10'20	4°42'38	
3374	5†	22°26'37	20°01'69	2*	22°20'07	8°06'16									
3375	6	22°69'40	20°89'94	3*	22°63'11	8°94'41									
3376	26	25°23'89	20°47'57	15	25°17'81	8°51'50	70 446 9'0								

Plates 1787, 3340. Nos. 3336, 3343, 3376, 3395 are measured also on plates 3012, 4371.

1 réseau interval represents very nearly 5' = 58"5 of R.A. at Dec. + 70°, and 61"4 at Dec. + 71°



## ZONE + 70°.

R.A. 7 <sup>h</sup> 11 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> —contd.										R.A. 7 <sup>h</sup> 11 <sup>m</sup> to 7 <sup>h</sup> 30 <sup>m</sup> —contd.																			
Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. +70°					R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°					Centre R.A. 7 <sup>h</sup> 20 <sup>m</sup> Dec. +70°					R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°														
Plate 3012. 1896, Feb. 11.					Plate 4371. 1899, March 14.					Plate 3012. 1896, Feb. 11.					Plate 4371. 1899, March 14.														
No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.		Diam.	x.	y.		
B. D.										B. D.																			
No.					Mag.					No.					Mag.					No.					Mag.				
3428	20s	13°5770	16°4285		20s	9°4698	4°4559	70° 457	9°5	3486	14	9°5878	21°0263		14	5°5729	9°1353			3487	20s	10°1063	21°0497		20s	6°0908	9°1468	70° 453	9°1
3429	22s	14°8510	16°0365		23s	10°7375	4°0418			3487	20s	10°1063	21°0497		20s	6°0908	9°1468			3488	4*	12°1709	21°6653		4	8°1688	9°7228		
3430	17	18°5146	16°7779		18s	14°4187	4°7073	70° 463	9°4	3488	4*	12°1709	21°6653		4	8°1688	9°7228			3489					3	8°8263	9°1745		
3431	5*	18°5660	16°5824		7	14°4646	4°5089			3489					3	8°8263	9°1745			3490	9	13°6825	21°3660		7	9°6738	9°3929		
3432	9	5°1012	17°4504		4*	1°0197	5°6464			3490	9	13°6825	21°3660		7	9°6738	9°3929			3491	36s	16°1283	21°4860		29s	12°1198	9°4635	70° 460	9°3
3433	20s	8°0919	17°5122		18	4°0075	5°6480			3491	36s	16°1283	21°4860		29s	12°1198	9°4635			3492					3	13°3126	9°6219		
3434	21s	8°3319	17°2616		19	4°2411	5°3922			3492					3	13°3126	9°6219			3493	26s	19°5689	21°6343		24s	15°5641	9°5418	70° 465	9°5
3435	26s	8°6841	17°8166		24s	4°6047	5°9412	70° 452	9°3	3493	26s	19°5689	21°6343		24s	15°5641	9°5418			3494	5*	20°0808	21°2376		4	16°0672	9°1353		
3436	6	12°6210	17°8564		6	8°5418	5°9013			3494	5*	20°0808	21°2376		4	16°0672	9°1353			3495	4†	20°0886	21°2021		5	16°0769	9°0980		
3437	4	13°3419	17°2216		4	9°2500	5°2543			3495	4†	20°0886	21°2021		5	16°0769	9°0980			3496	27s	8°0748	22°5319		24s	4°0897	10°6668		
3438	4*	13°3686	17°1011		5	9°2762	5°1340			3496	27s	8°0748	22°5319		24s	4°0897	10°6668			3497	19	8°0998	22°6425		18s	4°1145	10°7778	70° 451	9°3
3439	4*	13°3984	17°6340		5	9°3135	5°6638			3497	19	8°0998	22°6425		18s	4°1145	10°7778			3498	9	8°3189	22°8085		9	4°3394	10°9413		
3440	6	14°2086	17°2170		8	10°1194	5°2338			3498	9	8°3189	22°8085		9	4°3394	10°9413			3499	2*	15°2198	22°5550		3*	11°2364	10°5464		
3441	34s	15°4889	17°6862		28s	11°4051	5°6755	70° 459	8°9	3499	2*	15°2198	22°5550		3*	11°2364	10°5464			3500	14	15°9660	22°2670		12	11°9735	10°2468		
3442	26s	16°9288	17°3514		26s	12°8400	5°3120	70° 461	9°4	3500	14	15°9660	22°2670		12	11°9735	10°2468			3501	37s	17°3956	22°1180		38s	13°4004	10°0678	70° 462	8°9
3443	7	17°0518	17°2849		7	12°9613	5°2440			3501	37s	17°3956	22°1180		38s	13°4004	10°0678			3502					3	14°7175	10°7508		
3444	5	22°6661	17°8251		6	18°5877	5°6722			3502					3	14°7175	10°7508			3503	7	19°0812	22°4168		9	15°0922	10°3363		
3445	26s	23°7451	17°0734		29s	19°6515	4°8973	70° 467	8°9	3503	7	19°0812	22°4168		9	15°0922	10°3363			3504	3*	21°7757	22°1740		5	17°7782	10°0388		
3446	7	6°2610	18°9526		8	2°2090	7°1255			3504	3*	21°7757	22°1740		5	17°7782	10°0388			3505	3*	22°2448	23°0987		5	18°2685	10°9545		
3447	5	7°9688	18°8948		6	3°9111	7°0350			3505	3*	22°2448	23°0987		5	18°2685	10°9545			3506	3*	23°6385	22°6300		6	19°6569	10°4613		
3448	3*	9°1603	18°5558		4	5°1007	6°6749			3506	3*	23°6385	22°6300		6	19°6569	10°4613			3507	15	5°2042	23°3538		16	1°2355	11°5443		
3449	10	15°8369	18°2667		13	11°7665	6°2496			3507	15	5°2042	23°3538		16	1°2355	11°5443			3508	3*	5°7733	23°4687		4*	1°8078	11°6543		
3450					3	11°9893	6°4200			3508	3*	5°7733	23°4687		4*	1°8078	11°6543			3509	3*	6°0417	23°6615		3*	2°0803	11°8375		
3451	3*	16°3286	18°7231		4	12°2672	6°6947			3509	3*	6°0417	23°6615		3*	2°0803	11°8375			3510	14	8°8326	23°7680		14	4°8718	11°8906		
3452	11	23°2980	18°6838		14	19°2342	6°5161			3510	14	8°8326	23°7680		14	4°8718	11°8906			3511	5*	15°0758	23°4347		4	11°1061	11°4328		
3453	12	5°6657	19°4853		9	1°6200	7°6710			3511	5*	15°0758	23°4347		4	11°1061	11°4328			3512	3*	16°3349	23°5243		4	12°3709	11°5005		
3454	4*	5°7205	19°4006		4*	1°6723	7°5859			3512	3*	16°3349	23°5243		4	12°3709	11°5005			3513	4*	18°5893	23°9425		4	14°6325	11°8701		
3455	5*	5°7358	19°4262		5*	1°6879	7°6117			3513	4*	18°5893	23°9425		4	14°6325	11°8701			3514					4	2°3132	12°6644		
3456	10	6°8655	19°3448		8	2°8178	7°5064			3514					4	2°3132	12°6644			3515	60s	7°5641	24°5363		60s	3°6198	12°6831	70° 449	7°1
3457	11	9°9287	19°2400		12	5°8781	7°3412			3515	60s	7°5641	24°5363		60s	3°6198	12°6831			3516					4	5°3295	12°6044		
3458	3*	10°5288	19°4477		3*	6°4845	7°5364			3516					4	5°3295	12°6044			3517	4*	9°6188	24°8340		6	5°6788	12°9428		
3459	6	12°0005	19°3729		7	7°9528	7°4312			3517	4*	9°6188	24°8340		6	5°6788	12°9428			3518	3*	9°9228	24°3230		4	5°9725	12°4248		
3460	4	12°4498	19°3968		6	8°4022	7°4464			3518	3*	9°9228	24°3230		4	5°9725	12°4248			3519	4*	10°8867	24°1340		5	6°9303	12°2148		
3461	9	14°7223	19°0260		8	10°6690	7°0320			3519	4*	10°8867	24°1340		5	6°9303	12°2148			3520	12	12°0770	24°5132		15s	8°1300	12°5694		
3462	3*	16°3080	19°9245		4	12°2684	7°8960			3520	12	12°0770	24°5132		15s	8°1300	12°5694			3521	14	12°0868	24°5938		14s	8°1403	12°6507	70° 454	9°5
3463	4*	19°8686	19°3983		6	15°8208	7°3004			3521	14	12°0868	24°5938		14s	8°1403	12°6507			3522	15	12°2257	24°6660		13s	8°2800	12°7205		
3464	5	21°2122	19°9783		7	17°1770	7°8553			3522	15	12°2257	24°6660		13s	8°2800	12°7205			3523	4*	18°1978	24°6755		4	14°2522	12°6118		
3465	3*	21°3688	19°0718		5	17°3129	6°9438			3523	4*	18°1978	24°6755		4	14°2522	12°6118			3524	4*	19°8388	24°9240		4	15°9005	12°8259		
3466	4	21°5219	19°2207		6	17°4668	7°0910			3524	4*	19°8388	24°9240		4	15°9005	12°8259			3525	9	20°0377	24°3802		11	16°0860	12°2757		
3467	13	21°9436	19°4445		14	17°8951	7°3056			3525	9	20°0377	24°3802		11	16°0860	12°2757			3526	4*	20°8617	24°6613		6	16°9180	12°5440		
3468					3	18°9398	7°6323			3526	4*	20°8617	24°6613		6	16°9180	12°5440			3527	4*	21°0807	24°3031		8	17°1302	12°1821		
3469	24	5°2294	20°3501		26	1°2008	8°5443	70° 446	9°0	3527	4*	21°0807	24°3031		8	17°1302	12°1821			3528					4	18°1480	12°5432		
3470	4*	8°3446	20°1960		5	4°3130	8°3272			3528					4	18°1480	12°5432			3529					6	1°4047	13°9256		
3471	6	12°4975	20°5900		6	8°4723	8°6380			3529					6	1°4047	13°9256			3530	17	10°3563	25°1321		18s	6°4220	13°2250		
3472	22s	13°1454	20°4934		20s	9°1198	8°5275	70° 456	9°3	3530	17	10°3563	25°1321		18s	6°4220	13°2250			353									

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 7 <sup>h</sup> 30 <sup>m</sup> to 7 <sup>h</sup> 36 <sup>m</sup>								R.A. 7 <sup>h</sup> 36 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			
Plate 1786. 1894, Feb. 12.				Plate 4371. 1899, March 14.				Plate 1786. 1894, Feb. 12.				Plate 2504. 1895, March 31.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
3540	4	4°365	14°3381	9	21°2091	2°2164	°	3593				3	8°9580	6°5634	°
3541	19	5°6483	15°2853	31§	21°8587	3°2071	70 470 9°5	3594	7†	17°9585	18°4443	7	9°8102	6°3948	m.
3542	3*	4°0896	16°7245	10	20°2134	4°5448		3595				4	12°9193	6°8832	
3543	6	5°1973	17°4892	16	21°2682	5°3787		3596	4*	22°4033	19°1206	8	14°2782	6°9246	
3544				4	21°4297	5°6035		3597				5	15°9323	6°8039	
3545	4	5°5625	17°8651					3598	54§	10°9252	19°4194	54§	2°8142	7°6031	70 474 6°8
3546	7	9°0768	17°1670	13	25°1601	5°3025		3599	6	10°9595	18°8208	7	2°8326	7°0060	
3547				4	21°1836	6°4316		3600	5	12°2041	19°8317	5	4°1115	7°9723	
3548				5	23°8745	6°0498		3601	3†	12°3207	19°4493	4	4°2142	7°5860	
3549	33§	4°8455	19°9533	40§	20°7608	7°8112	70 469 8°9	3602				5	8°2175	7°9190	
3550				5	23°4678	7°8770		3603				4	8°3576	7°0506	
3551	3	9°3672	18°9097	7*	25°3375	7°0630		3604	12	16°7669	19°1358	15§	8°6458	7°1260	70 481 9°5
3552				8	20°9730	9°4824		3605	6	19°1728	19°3990	9	11°0583	7°3096	
3553				4	22°4507	10°6246		3606	3	20°3697	19°2037	5	12°2476	7°0734	
3554	7	7°8609	22°0440	18	23°6483	10°0938		3607	3	20°6099	19°3089	7	12°4914	7°1731	
3555	17	8°3142	22°5396	29§	24°0587	10°6155		3608	12	21°6490	19°5397	15§	13°5359	7°3660	
3556				12	20°6946	11°4318		3609				5	4°3575	8°9133	
3557				6	24°4790	11°8867		3610	4	12°9700	20°1364	7	4°8835	8°2522	
3558	25§	9°8899	22°9340	40§	25°6058	11°1093	70 473 9°3	3611	(4*)	14°4041	20°2942	9	6°3228	8°3584	
3559	13	6°8880	24°2018	25§	22°5310	12°1828		3612				3	6°7936	8°9232	
3560	4	8°6709	24°5494	10	24°2836	12°6445		3613				5	7°0075	8°2291	
3561	41§	5°8865	25°1016	36§	21°4744	13°0153	71 415 9°0	3614	4	16°3806	20°7842	8	8°3145	8°7857	
3562	8	6°2969	25°6251	18§	21°8469	13°5651		3615				4	8°5981	8°8052	
3563	40§	7°7845	25°8251	48§	23°3195	13°8598	71 419 8°3	3616				3	9°2670	8°7879	
3564				6	24°8330	13°9025		3617	6	19°4199	20°1271	9	11°3295	8°0268	
								3618	6	20°1961	20°8849	9	12°1289	8°7583	
								3619	4†	20°7294	20°9041	8	12°6606	8°7630	
								3620				4	14°0795	8°5735	
								3621				7	14°8277	8°1117	
								3622	30§	23°3181	20°8739	23§	15°2485	8°6460	70 487 9°1
								3623				3	15°5000	8°8070	
								3624				9	15°8478	8°4573	
								3625	25§	11°3149	20°9115	25§	3°2541	9°0819	70 475 9°1
								3626				3	4°1842	9°9057	
								3627				3	5°2780	9°5899	
								3628	12	18°2139	21°2743	13§	10°1632	9°2132	
								3629	14	18°4512	21°3230	12§	10°4014	9°2537	70 482 9°4
								3630				4	10°7096	9°1137	
								3631				4	11°3110	9°4868	
								3632	22	20°1923	21°2700	19§	12°1387	9°1452	70 484 9°5
								3633				3	13°3723	9°0060	
								3634				5	14°0898	9°0058	
								3635				4	14°2625	9°1327	
								3636	12	23°2117	21°3376	15§	15°1604	9°1147	70 486 9°3
								3637				3	2°6464	10°8811	
								3638				4	4°7193	10°7792	
								3639				4	5°0784	10°2279	
								3640				6	6°3998	10°6621	
								3641				3	7°1418	10°6069	
								3642	22	15°5952	22°2403	21§	7°5789	10°2671	70 480 9°0
								3643				5	9°7858	10°0058	
								3644				3	10°6530	10°5658	
								3645	21§	18°6795	22°3700	18§	10°6633	10°2935	70 483 9°4
								3646	21	18°7699	23°0613	19§	10°7768	10°9818	
								3647				3	10°9051	10°6764	
								3648				3	14°3191	10°8950	
								3649				3	15°0624	10°6053	
								3650	22	11°4726	23°5892	20§	3°5019	11°7506	70 476 9°4
								3651				5	6°2917	11°5340	

Plate 1786. No. 3611. The 6<sup>min.</sup> image coincides with a fault in the plate.  
The diameter given is that of the 3<sup>min.</sup> image.

1 *second* interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 7 <sup>h</sup> 36 <sup>m</sup> to 7 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 00 <sup>m</sup> —contd.											
Centre R.A. 7 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 8 <sup>h</sup> 00 <sup>m</sup> Dec. +70°			R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. +71°								
Plate 1786. 1894, Feb. 12.			Plate 2504. 1895, March 31.				Plate 816. 1893, March 8.			Plate 2504. 1895, March 31.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.	
3652				3	9°6227	11°7956	°	m.	3706	22§	12°1644	17°1929	15	24°4002	5°3244	°	m.	
3653				3	10°8005	11°1796			3707	37§	4°5851	18°8579	23§	16°7408	6°5728	70	490	
3654				4	12°7566	11°3190			3708	22§	5°6899	18°6927	16§	17°8536	6°4659		9°1	
3655				4	13°7432	11°4324			3709	4*	6°6291	18°5260	4†	18°8023	6°3521			
3656				5	14°5174	11°5385			3710	4†	8°3929	18°6826	5†	20°5574	6°6051			
3657				4	3°5747	12°2243			3711	10	12°4651	18°3389	8	24°6387	6°4836			
3658				5	5°3295	12°8994			3712	10	4°4711	19°9141	8	16°5715	7°6195			
3659	19	13°6863	24°7016	18§	5°7514	12°8104	70	478	3713	4	6°5491	19°2608	4	18°6814	7°0835			
3660				5	6°9253	12°3811		9°5	3714	19	6°8453	19°3967	13	18°9698	7°2340			
3661				6	6°9802	12°3933			3715	18	7°0078	19°7324	15§	19°1116	7°5765			
3662	3*	16°7229	24°4571	6	8°7793	12°4449			3716	4	10°8372	19°5146	4*	22°9529	7°5687			
3663	4*	16°9275	24°7631	6	8°9940	12°7439			3717	9	11°0168	19°5187	7	23°1300	7°5835			
3664				6	12°3433	12°2370			3718	7*	12°4845	19°0315	7*	24°6211	7°1786			
3665				4	12°5440	12°3423			3719	5	6°4570	20°3949	5	18°5277	8°2078			
3666				3	14°7987	12°3399			3720	21	7°1403	20°3950	12	19°2105	8°2478			
3667	5*	23°8061	25°1166	12§	15°8751	12°8652	71	435	3721	6	7°1874	20°6452	4	19°2413	8°5008			
3668	6	12°2763	25°3391	11	4°3648	13°4737		9°4	3722	8	7°8671	20°7158	6	19°9189	8°6066			
3669				5	4°9535	13°6820			3723	4	8°5108	20°9963	4	20°5446	8°9230			
3670				3	5°4437	13°6678			3724	5*	8°8325	21°0451	4	20°8665	8°9888			
3671				6	6°0505	13°5044			3725	53§	13°0213	19°9660	53§	25°1050	8°1384	70	496	
3672	4	14°6400	25°1898	7	6°7205	13°2462		8°0	3726	6	6°4576	21°8293	4	18°4491	9°6428			
3673	5	14°8079	25°6323	9	6°9025	13°6821			3727	17	6°9895	22°0040	15§	18°9710	9°8450			
3674				3	9°8900	13°6152			3728	18	7°6681	21°2435	9	19°6895	9°1238			
3675				4	10°7101	13°7883			3729	7	7°9703	21°6988	6	19°9668	9°5947			
3676				5	12°6161	13°9550			3730	15	8°0200	21°5541	11	20°0255	9°4545			
3677	26	20°6651	25°9790	21§	12°7693	13°8345	71	430	3731	7	10°0912	21°9688	7	22°0706	9°9808			
3678				4	13°2696	13°2447		9°0	3732	11	12°1775	21°4604	8	24°1812	9°5873			
3679				3	14°1541	13°8321			3733	5*	4°2968	22°4155	5	16°2574	10°1108			
3680	18	22°1123	26°0758	21§	14°2173	13°8846	71	432	3734	21	4°6831	23°2199	14	16°5996	10°9345	70	489	
R.A. 7 <sup>h</sup> 50 <sup>m</sup> to 8 <sup>h</sup> 00 <sup>m</sup>							3735	4*	4°7333	23°0325	5	16°6610	10°7483		9°5			
Centre R.A. 8 <sup>h</sup> 00 <sup>m</sup> Dec. +70°			R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				3736	19	6°4109	23°0085	13§	18°3370	10°8154	70	493	9°5		
Plate 816. 1893, March 8.			Plate 2504. 1895, March 31.				3737	4	7°7230	22°3027	5	19°6847	10°1855					
3681	4*	4°4635	14°3414	4*	16°8643	2°0570	°	m.	3738	17	13°8751	22°7310	11	25°8082	10°9460			
3682	10	5°4444	14°5987	7	17°8321	2°3680			3739	4*	5°7434	24°1521	4	17°6092	11°9251			
3683	16	6°6347	14°4372	8	19°0313	2°2688			3740	4*	6°9080	24°1551	4†	18°7703	11°9868			
3684	4*	7°5120	15°0390	4*	19°8774	2°9126			3741	7	7°3884	23°7105	5	19°2729	11°5719			
3685	4*	7°9334	15°0400	3*	20°2904	2°9423			3742	9	12°1608	23°3307	5	24°0605	11°4545			
3686	4*	9°5180	14°3262	3*	21°9112	2°3242			3743	6*	13°7237	23°0410	5	25°6378	11°2498			
3687	7	11°1492	14°6423	5*	23°5224	2°7194			3744	16	4°2792	25°1610	11	16°0905	12°8486	71	436	
3688	11	11°7869	14°6337	6*	24°1669	2°7539			3745	32§	10°5494	24°4257	24§	22°3924	12°4569	70	495	
3689	82§	13°9508	14°1360	95§	26°3588	2°3649	70	497	3746				3	17°2883	13°6923		9°5	
3690	40§	5°9668	15°5480	35§	18°3002	3°3420	70	492	3747	13	5°6153	26°1832	7	17°3686	13°9428			
3691	10	7°1044	16°1199	8	19°4081	3°9750			3748	12	7°4994	25°3620	8	19°2960	13°2258			
3692	4	7°8203	15°5538	4†	20°1560	3°4483			3749	9	8°0522	25°2456	7	19°8540	13°1418			
3693	10	9°5400	15°3208	7	21°8819	3°3113			3750				5	20°7872	13°3606			
3694	4*	9°8754	15°5400	4*	22°2045	3°5470			3751				3	21°3398	13°4536			
3695	14	11°2606	15°4294	10	23°5945	3°5147			3752	4*	11°7600	25°6480	6†	23°5353	13°7432			
3696	20	13°8325	14°8770	9	26°1966	3°1028			R.A. 8 <sup>h</sup> 00 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup>									
3697	12	5°7894	16°5821	8	18°0685	4°3648			Centre R.A. 8 <sup>h</sup> 00 <sup>m</sup> Dec. +70°			R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 8 <sup>h</sup> 00 <sup>m</sup> Dec. +70°			
3698				3	18°2807	4°0746			Plate 816. 1893, March 8.			Plate 4373. 1899, March 14.			Plate 816. 1893, March 8.			
3699	8	6°5646	16°7374	6	18°8339	4°5643			3753	26§	21°4950	14°0420	26§	9°1688	1°9495	70	503	
3700	6*	7°8513	17°0160	5	20°1025	4°9114			3754	9	15°2413	14°7475	4*	2°9520	2°9424		9°2	
3701	9	8°0727	16°9865	8	20°3255	4°8936			3755	26§	17°9615	14°0243	26	5°6354	2°0958	70	501	
3702	5	10°4280	16°2063	5	22°7210	4°2448			3756	10	20°0911	14°6105	6	7°7897	2°5841		9°5	
3703	20	5°2519	18°0175	14§	17°4517	5°7692	70	491	3757	23§	20°6203	14°5680	20	8°3191	2°5149			
3704	8	7°4263	17°8499	7	19°6360	7°7214			3758	9	14°5390	15°3185	5*	2°2800	3°5452			
3705	29§	7°5424	17°8284	24§	19°7521	5°7064	70	494										

## ZONE + 70°.

R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 10 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup> —contd.													
Centre R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°													
Plate 816. 1893, March 8.			Plate 4373. 1899, March 14.			Plate 4203. 1898, Dec. 19.			Plate 4373. 1899, March 14.													
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.							
							No.								No.							
							Mag.															
3759	4	16.1842	15.5679	3*	3.9319	3.7165	°	m.	3811	5	9.1108	15.1743	4*	17.3317	3.2248	°	m.					
3760	4	17.2517	15.7012						3812	8	9.2170	15.3244	6	17.4392	3.3756							
3761	4	19.3435	15.1434	2*	7.0680	3.1529			3813	16	10.8552	15.4125	12	19.0738	3.5045							
3762	18	19.7050	15.6692	17	7.4536	3.6576			3814	11	14.9610	15.6532	9	23.1719	3.8473							
3763	10	14.7850	15.9410	7	2.5559	4.1574			3815	9	15.4611	15.5000	6	23.6734	3.7097							
3764	27§	15.2136	16.7152	25	3.0173	4.9093	70	498	3816	9	11.3033	16.2384	5	19.5004	4.3445							
3765				6	11.4483	4.7773			3817	6	12.1240	16.7816	5†	20.3089	4.9085							
3766	10	22.4201	17.1498	10	10.2326	5.0138			3818	7	14.1509	16.5127	5*	22.3402	4.6879							
3767	4	15.0755	17.9923	3*	2.9405	6.1890			3819	5	14.3354	16.8891										
3768	10	17.4863	18.6144	7	5.3741	6.7012			3820	49§	15.6751	16.8026	51§	23.8598	5.0170	70	516					
3769				3	10.8569	6.8360			3821	4	5.0118	17.7784	4	13.1697	5.7250							
3770	8	15.4638	19.2139	5	3.3811	7.3948			3822	4†	5.5117	17.0230	4*	13.6882	4.9788							
3771	45§	16.4335	19.3473	44§	4.3550	7.4772	70	499	3823	6	9.3418	17.9275	5	17.4989	5.9830							
3772	3	17.3796	19.5889	3	5.3109	7.6796			3824	33§	10.1929	17.2338	29§	18.3666	5.3101	70	511					
3773	5	20.9257	19.7939	4	8.8632	7.7216			3825	30§	12.7033	17.3635	25§	20.8723	5.5034	70	514					
3774	14	21.1301	19.9108	10	9.0705	7.8270			3826	9	13.1196	17.9432	5	21.2737	6.0938							
3775	11	21.2238	19.5858	8	9.1495	7.5002			3827	4	6.7763	18.3002	4	14.9206	6.2895							
3776	52§	21.2530	19.8613	47§	9.1927	7.7750	70	502	3828	25§	7.2758	18.5343	16§	15.4142	6.5351							
3777	13	22.3239	19.6083	10	10.2493	7.4717			3829	24§	8.1414	18.8081	18	16.2736	6.8327	70	509					
3778	21	23.2880	21.0900	14	11.2812	8.9060			3830	5	8.2133	18.7038	4*	16.3497	6.7278							
3779	44§	23.5942	20.3848	28§	11.5530	8.1886	70	505	3831	4	8.4719	18.1229	4	16.6206	6.1549							
3780	4	15.0450	21.2493	3*	3.0560	9.4469			3832	11	12.7107	18.5542	9	20.8505	6.6959							
3781	13	17.5150	21.8071	8	5.5497	9.8873			3833	18§	14.0733	18.2976	13	22.2183	6.4731							
3782	2*	22.7469	21.4116	4	10.7537	9.2524			3834	11	14.1209	18.0025	8	22.2740	6.1785							
3783	23§	18.7035	22.6867	21§	6.7747	10.7134			3835	6	14.9913	18.3289	4*	23.1317	6.5263							
3784	45§	22.1635	23.1070	35§	10.2498	10.9740	70	504	3836	5	6.1656	19.8612	4	14.2707	7.8355							
3785	46§	16.8550	23.1546	44§	4.9505	11.2644	70	500	3837	9	7.4215	19.7438	6	15.5302	7.7478							
3786	3*	16.8741	22.9776	3	4.9638	11.0873			3838	65§	10.0462	19.2880	53§	18.1644	7.3614	70	510					
3787	3*	18.5648	23.8901	3	6.6911	11.9245			3839	4	10.3048	19.8796	2*	18.4095	7.9633							
3788	5	19.3145	23.9833	4	7.4464	11.9795			3840	26§	11.8753	19.8817	21§	19.9790	8.0028	70	512					
3789	4	20.0871	23.4956	4	8.1978	11.4571			3841	4	12.7812	19.7486	4	20.8870	7.8899							
3790				3	11.2237	11.1722			3842	4	14.3834	19.9843										
3791				14	6.1383	12.1924			3843	23§	4.8497	20.4517	18§	12.9406	8.3906							
3792				4	6.1890	12.8134			3844	21§	7.8884	20.3448	13	15.9820	8.3619							
3793	12	20.1326	25.0073	10	8.3100	12.9650			3845	6	8.3181	20.7113	6	16.4013	8.7413							
3794				3	10.3090	12.0250			3846	17	10.6895	20.2491	9	18.7865	8.3370							
3795				3	10.5370	12.4117			3847	4†	12.7515	20.4967										
3796				3	10.7887	12.7258			3848	11	14.0038	20.5208	7	22.0939	8.6931							
3797	3*	14.5655	25.6103	3*	2.7809	13.8241			3849	8	16.8750	20.9546										
3798	4	15.4863	25.6294	4†	3.6990	13.8004			3850				3	12.5084	9.2548							
3799	42§	21.9535	25.2703	25§	10.1381	13.1460	71	448	3851	7	7.3223	21.5044	5	15.3871	9.5074							
R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup>									3852	4	7.8010	21.8856	3†	15.8953	9.8975							
Centre R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			3853	40§	13.3858	21.1821	32§	21.4600	9.3406	70	515					
Plate 4203. 1898, Dec. 19.			Plate 4373. 1899, March 14.			Plate 4203. 1898, Dec. 19.			3854	22§	16.0318	21.9533	17	24.0830	10.1768							
Plate 4203. 1898, Dec. 19.			Plate 4373. 1899, March 14.			Plate 4203. 1898, Dec. 19.			3855	14	17.9199	21.2520	7	25.9898	9.5238							
Plate 4203. 1898, Dec. 19.			Plate 4373. 1899, March 14.			Plate 4203. 1898, Dec. 19.			3856	14	17.9555	21.8130	9	26.0090	10.0860							
3800	12§	10.2102	13.9838	7	18.4632	2.0603	°	m.	3857	10	5.1105	22.8305	5	13.1375	10.7781							
3801	6	5.2278	14.3507	4*	13.4702	2.3038			3858	24§	6.6599	22.8077	18§	14.6898	10.7951	70	507					
3802	4*	6.5012	14.0124	3*	14.7597	1.9963			3859	6	10.0977	22.2082	4	18.1444	10.2826							
3803	19	7.2149	14.0225	11	15.4697	2.0258			3860	9	5.7957	23.0353	5	13.8239	10.9965							
3804	5	9.3784	14.1298						3861	13	4.1406	24.2816	10	12.1338	12.2032							
3805	15	13.3616	14.0220	9	21.6160	2.1760			3862	5	7.8044	24.8275	4	15.7822	12.8416							
3806	4	15.0015	14.2487						3863	5*	8.3311	24.5786	4	16.3139	12.6062							
3807	6	3.9024	15.2206	6†	12.1289	3.1385			3864	9	9.7382	24.7459	5	17.7182	12.8089							
3808	37§	4.9900	15.1526	32§	13.2171	3.0968	70	506	3865	10	10.2355	24.3689	6	18.2268	12.4440							
3809	5	5.2097	15.2794	4*	13.4302	3.2278			3866	4	12.8036	24.0209	3†	20.8081	12.1634							
3810	16	8.0240	15.0343	12	16.2528	3.0555			3867	22	15.8610	24.7163	16	23.8392	12.9351							
									3868	13	5.9623	25.4928	10	13.9045	13.4620							
									3869	18	6.0168	25.6100	11	13.9788	13.5775							

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 8 <sup>h</sup> 10 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre		R.A. 8 <sup>h</sup> 20 <sup>m</sup> Dec. +70°.		R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°		Plate 4203. 1898, Dec. 19.		R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. +70°		R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71°		Plate 4204. 1898, Dec. 19.		Plate 1855. 1894, March 4.	
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.														

1 réseau interval represents very nearly 5' = 58.5 at Dec. +70°, and 61.4 at Dec. +71°.

ZONE + 70°.

R.A. 8 <sup>h</sup> 30 <sup>m</sup> to 8 <sup>h</sup> 49 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup>								
Centre R.A. 8 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			Centre R.A. 9 <sup>h</sup> 00 <sup>m</sup> Dec. +70°			R.A. 9 <sup>h</sup> 06 <sup>m</sup> Dec. +71°								
Plate 4204. 1898, Dec. 19.			Plate 1855. 1894, March 4.			Plate 3819. 1898, Jan. 7.			Plate 2509. 1895, April 7.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
3975	6	10°5445	21°7551	6	14°5530	9°6880	°	m.	4031	5	4°2646	14°0048	.			°	m.
3976	16	11°2383	21°1277	17	15°2579	9°0731			4032	23§	5°0743	14°1470	14	4°8755	2°1170		
3977	4	15°1278	21°5220	4*	19°1400	9°5308			4033	8	7°2577	14°2840					
3978	4†	15°6000	21°5609	4*	19°6146	9°5803			4034	14	11°4774	14°7805	7	11°2807	2°7431		
3979	3	16°5691	21°0517	3*	20°5886	9°0858			4035	3	11°6864	14°5835					
3980	4†	17°6253	21°8959	4*	21°6320	9°9483			4036	3	15°0615	14°9021					
3981	7	17°9985	21°6045	5*	22°0101	9°6649			4037	3	16°0360	14°6583					
3982	6	20°8288	21°5322	6*	24°8416	9°6366			4038	4	17°5905	14°1860					
3983	12	22°0610	21°2614	8*	26°0775	9°3883			4039	25§	17°7415	14°4925	22§	17°5454	2°4467		
3984	14	22°7057	21°4375	8*	26°7171	9°5754			4040	21§	17°7469	14°8733	16	17°5507	2°8282		
3985	4*	4°3829	22°9415	4	8°3725	10°7757			4041	31§	18°0210	14°5939	29§	17°8247	2°5484	70	552
3986	8	5°6704	22°5011	10	9°6675	10°3540			4042	4	19°7623	14°0010					
3987	4	8°3948	22°0487	3	12°3988	9°9472			4043	11	23°7744	14°2782					
3988	17	10°1526	22°4734	12	14°1506	10°4001			4044	4	4°1378	15°0733					
3989	9	11°4950	22°6453	9	15°4882	10°5942			4045	5	4°2938	15°4059					
3990	20§	11°6074	22°7548	21§	15°5990	10°7063			4046	6	5°2478	15°9600					
3991	4*	12°0239	22°4333	4	16°0213	10°3911			4047	3	5°5330	15°2633					
3992	4	12°0720	22°1857	4	16°0728	10°1445			4048	12	7°0435	15°9925	6	6°8498	3°9610		
3993	11	12°7362	22°4515	11	16°7311	10°4223			4049	15§	8°0270	15°9918	5	7°8341	3°9573		
3994	10	12°8578	22°2464	10	16°8559	10°2169			4050	22§	9°3193	15°2290	15	9°1230	3°1941	70	544
3995	6	13°1283	22°7017	5	17°1223	10°6784			4051	3	11°1600	15°6894					
3996	4	14°6851	22°1061	4*	18°6851	10°1133			4052	7	11°4392	15°5513	3*	11°2469	3°5135		
3997	7	15°1815	22°3163	5	19°1811	10°3301			4053	7	11°9375	15°4140	3	11°7423	3°3708		
3998	7	15°3418	22°2518	7	19°3417	10°2639			4054	3	12°5304	15°0900					
3999	56§	15°6898	22°0090	53§	19°6932	10°0290	70	536	4055	14§	13°2474	15°6661	8	13°0508	3°6257		
4000	6	16°0426	22°5344	5	20°0400	10°5623			4056	4	14°2615	15°7349					
4001	7	20°4184	22°4146	5	24°4167	10°5126			4057	9	14°3180	15°0345	5	14°1222	2°9938		
4002	32§	21°8383	22°0310	34	25°8428	10°1514			4058	5	16°3700	15°3825	3*	16°1733	3°3394		
4003	6	22°7068	22°0618						4059	22§	16°8007	15°2875	18	16°6024	3°2432		
4004	4	9°5169	23°7999	4	13°4880	11°7157			4060	5	17°7040	15°3673	3*	17°5091	3°3238		
4005	4	12°4393	23°2353	5	16°4245	11°2011			4061	35§	17°8298	15°4578	35§	17°6340	3°4108	70	551
4006	32§	13°0867	23°0115	30§	17°0744	10°9890	70	533	4062	17§	19°2395	15°5753	12	19°0450	3°5276		9°0
4007	21§	13°4148	23°5081	20	17°3938	11°4914	70	534	4063	7	25°9290	15°9291					
4008	19	13°5124	23°3762	16	17°4929	11°3602			4064	9	25°9394	15°6102					
4009				4	9°0524	12°4609			4065	8	4°1851	16°2038					
4010	21	7°2897	24°2966	18	11°2562	12°1771			4066	3	5°0780	16°2035					
4011	24§	9°2814	24°3409	21§	13°2445	12°2535	70	529	4067	4	5°2346	16°2225					
4012	3*	10°0670	24°4209	3†	14°0304	12°3468			4068	10	5°6304	16°3610	3	5°4328	4°3258		
4013	17	10°7989	24°2313	15	14°7660	12°1709			4069	44§	6°2083	16°2717	40§	6°0118	4°2381	70	541
4014	18	12°3432	24°9775	16	16°2986	12°9442			4070	3	7°6854	16°2217					
4015	4*	13°9020	24°6245	5	17°8624	12°6125			4071	16§	8°6338	16°2720	12	8°4397	4°2365		
4016	8	14°4974	24°7190	9	18°4567	12°7172			4072	3	9°0385	16°6984					
4017	40§	18°1889	24°1184	37§	22°1576	12°1843	71	481	4073	4	9°5009	16°9348					
4018	9	22°9963	24°2196	8*	26°9721	12°3631			4074	3	10°3739	16°4924					
4019	18	4°2112	25°9965	20	8°1479	13°8270			4075	5	11°1312	16°8743					
4020	5*	7°1698	25°8805	6	11°1113	13°7590			4076	13§	12°9470	16°1515	8	12°7501	4°1104		
4021	5	8°0819	25°8032	7	12°0218	13°6982			4077	4	14°3377	16°3210					
4022	4*	8°2112	25°8671	4	12°1502	13°7631			4078	39§	15°2033	16°3123	26§	15°0085	4°2683	70	548
4023	19	9°5491	25°0518	15	13°5029	12°9710			4079	4	19°2690	16°4875					
4024	4*	9°9924	25°3793	4†	13°9408	13°3000			4080	6	19°7740	16°0160					
4025	28§	10°8857	25°4227	24§	14°8290	13°3620			4081	5	20°0275	16°1145					
4026	39§	10°9853	25°4657	32§	14°9275	13°4087	71	474	4082	14	20°5905	16°5286	7	20°3983	4°4815		
4027	8	11°9281	25°5045	9	15°8742	13°4631			4083	4	22°8674	16°2302					
4028	4*	14°2886	25°3560	6	18°2383	13°3530			4084	3	4°1383	17°9880					
4029	5*	15°1339	25°5813	5	19°0788	13°5936			4085	5	6°7472	17°8605					
4030	35§	18°0270	25°3410	28§	21°9763	13°4012	71	480	4086	4	7°3533	17°0473					
									4087	13	8°3425	17°5073	6	8°1490	5°4738		
									4088	23§	8°5039	17°5062	17	8°3114	5°4692		
									4089	3	9°7254	17°6744					

Plates 4204, 1855. Nos. 3983, 3984, 4002, 4003 and 4018, are measured also on plates 3819 and 2509.

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +70°		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			Centre		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +70°		R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71°		
Plate 3819. 1898, Jan. 7.				Plate 2509. 1895, April 7.			Plate 3819. 1898, Jan. 7.				Plate 2509. 1895, April 7.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
4090	4	10°3332	17°9765				4149	7	15°5040	19°2178	3	15°3142	7°1760
4091	11	11°7932	17°7493	5	11°6001	5°7110	4150	4	15°6687	19°9191			
4092	5	12°1803	17°7840				4151	20§	15°9179	19°7087	10	15°7260	7°6653
4093	9	12°3607	17°4055	4	12°1657	5°3662	4152	25§	16°7327	19°2324	19§	16°5415	7°1862
4094	5	13°1628	17°7772	3	12°9693	5°7369	4153	4	18°2358	19°5406			
4095	3	13°8283	17°4878	2*	13°6337	5°4516	4154	8	18°9488	19°0035	4	18°7571	6°9598
4096	5	15°0690	17°0185	3	14°8751	4°9768	4155	10	20°6055	19°3044	5	8°4153	7°2580
4097	22§	15°2159	17°1441	21§	15°0230	5°1015	4156	7	21°2345	19°4934	3*	21°0453	7°4436
4098	9	18°3103	17°9728	6	18°1178	5°9275	4157	3	21°6529	19°8978			
4099	18§	18°3836	17°7781	12	18°1916	5°7333	4158	4	21°9153	19°1588			
4100	10	18°5621	17°5355	4	18°3688	5°4898	4159	9	22°0710	19°2776	3*	21°8819	7°2266
4101	4	21°0198	17°2459				4160	4	23°2803	19°0643			
4102	14	21°0578	17°8777	9	20°8668	5°8311	4161	6	23°3542	19°0488			
4103	5	21°2426	17°5977	4*	21°0533	5°5481	4162	8	23°9945	19°3357	5*	22°8026	7°2828
4104	10	21°2493	17°6061	6*	21°0573	5°5580	4163	5	5°4543	20°3274	3*	5°2662	8°3014
4105	6	21°7313	17°8856				4164	4	6°0890	20°5198	3†	5°8984	8°4873
4106	8	21°7520	17°9416	5	21°5641	5°8963	4165	5	6°3465	20°4761	3*	6°1567	8°4506
4107	65§	22°5862	17°6034	61§	22°3937	5°5504	4166	6	9°8048	20°1262	3*	9°6151	8°0911
4108	12	25°0298	17°2227	5*	24°8347	5°1713	4167	5	9°9015	20°4653	3*	9°7134	8°4295
4109	8	3°6322	18°2926				4168	10	9°9578	20°8202	4	9°7692	8°7835
4110	4	4°8338	18°4051				4169	24§	10°0590	20°5866	15§	9°8695	8°5502
4111	4	5°2420	18°1235				4170	4	10°4800	20°2578			
4112	10	5°5260	18°4503	6	5°3343	6°4194	4171	6	11°2242	20°8337	3*	11°0354	8°7983
4113	8	6°0660	18°5063	4	5°8738	6°4735	4172	7	12°4341	20°7437	3	12°2432	8°7055
4114	3	6°8411	18°0170				4173	11	13°6302	20°7633	5	13°4395	8°7228
4115	3	7°3652	18°4348				4174	3	14°7484	20°2173			
4116	14§	7°9085	18°6367	9	7°7151	6°6042	4175	10	19°6023	20°8850	5	19°4142	8°8396
4117	4	7°9507	18°9592				4176	6	19°7106	20°5665	3	19°5218	8°5240
4118	4	8°3322	18°0667	2*	8°1389	6°0341	4177	24§	19°7354	20°0763	19§	19°5465	8°0290
4119	7	8°4084	18°8383	4	8°2137	6°8056	4178	5	20°4139	20°0445			
4120	8	11°2853	18°2993	4	11°0943	6°2612	4179	15	21°3643	20°0275	10	21°1757	7°9770
4121	5	12°3230	18°1035	3	12°1318	6°0667	4180	4	24°1330	20°2221			
4122	8	13°1748	18°4854	4	12°9828	6°4452	4181	5	24°1566	20°6520			
4123	3	13°7156	18°7056				3983	10	2°2605	21°4260	5	2°0720	9°4009
4124	8	16°4240	18°9870	4	16°2327	6°9438	3984	13	2°9180	21°5471	8	2°7283	9°5213
4125	6	16°4862	18°6792	4	16°2973	6°6342	4182	46§	4°7000	21°7365	27§	4°5120	9°7073
4126	4	16°6571	18°0005				4183	5	6°9773	21°3511	3*	6°7850	9°3205
4127	54§	18°6287	18°2068	43§	18°4382	6°1601	4184	39§	7°5003	21°3175	30§	7°3109	9°2850
4128	48§	18°6490	18°7037	40§	18°4581	6°6550	4185	8	7°6609	21°5695	4	7°4738	9°5366
4129	23§	18°9200	18°7203	18§	18°7289	6°6731	4186	20§	9°1510	21°4278	10	8°9618	9°3928
4130	4	20°0343	18°5057				4187	14	9°1675	21°9655	8	8°9816	9°9304
4131	4	24°9583	18°0140				4188	23§	9°8769	21°5033	11	9°6890	9°4669
4132	34§	4°5408	19°2033	23§	4°3503	7°1707	4189	4	12°3285	21°7938			
4133	4	4°5552	19°5644				4190	6	17°1486	21°9673	3	16°9588	9°9218
4134	5	4°8843	19°3010	3*	4°6944	7°2732	4191	5	17°5884	21°0265			
4135	4	5°3908	19°9458				4192	5	19°7133	21°7933			
4136	17§	6°0783	19°0522	9	5°8850	7°0213	4193	4	20°1438	21°9338			
4137	23§	6°4651	19°8109	16	6°2732	7°7786	4194	7	20°7904	21°7695	4*	20°6057	9°7217
4138	9	6°8020	19°5970	4	6°6133	7°5650	4195	21	23°7940	21°0740	9	23°6044	9°0225
4139	20§	7°7295	19°7263	16§	7°5388	7°6898	4002	39§	2°1010	22°2080	24§	1°9153	10°1831
4140	10	9°1920	19°5258	5	9°0008	7°4904	4003	8	2°9723	22°1730	4	2°7829	10°1484
4141	4	10°0438	19°9365				4196	4*	3°4085	22°8828	4*	3°2243	10°8511
4142	6	11°2183	19°8537	2	11°0285	7°8146	4197	5	3°9585	22°3971			
4143	4	11°4206	19°4628				4198	4*	4°5868	22°6454	3*	4°3994	10°6221
4144	8	11°4591	19°9268	4	11°2696	7°8913	4199	6	5°1814	22°2233	3*	4°9954	10°1932
4145	12	12°8760	19°9337	6	12°6865	7°8924	4200	4	5°9253	22°5965			
4146	12	13°5779	19°1839	7	13°3863	7°1445	4201	18§	8°7048	22°5184	8	8°5198	10°4843
4147	4	14°6640	19°8815	2	14°4742	7°8393	4202	8	9°5191	22°8250	5	9°3344	10°7880
4148	20§	15°3797	19°4846	11	15°1884	7°4406	4203	20§	11°3733	22°5861	9§	11°1872	10°5479

1 réseau interval represents very nearly 5' = 58°.5 at Dec. +70°, and 61°.4 at Dec. +71°.

## ZONE + 70°.

R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>							R.A. 9 <sup>h</sup> 11 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup>						
Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 3819. 1898, Jan. 7.							Centre R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 891. 1893, March 21.						
R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2509. 1895, April 7.							R.A. 9 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
4204	3	11'4348	22'3199				4257	8	22'6111	14'0525	7*	18'4807	1'8833
4205	12	12'2092	22'5158	6	12'0238	10'4778	4258	8	17'3036	14'1139	7*	13'1770	2'0406
4206	9	13'9690	22'2145	5	13'7813	10'1731	4259	8	19'9658	14'9343	8	15'8547	2'8134
4207	22§	15'5474	22'6450	9	15'3613	10'6036	4260	8	20'1878	14'9348	8	16'0763	2'8090
4208	2†	16'8737	22'1786				4261	80§	22'1600	15'0593	70§	18'0495	2'8946
4209	3	17'2223	22'7510				4262	35§	8'3347	15'6182	40§	4'2345	3'7151
4210	24§	17'3385	22'4755	16§	17'1510	10'4334	4263	32§	11'6847	15'5676	30§	7'5851	3'6014
4211	3	17'5088	22'7420				4264	47§	17'7991	15'9893	44§	13'7057	3'9040
4212	6	17'5607	22'6197	3	17'3739	10'5767	4265	11	19'5395	15'4637	10	15'4365	3'3488
4213	4	18'6317	22'6780				4266	5	21'5183	15'7773	8	17'4227	3'6261
4214	6	19'2983	22'3955	4	19'1123	10'3474	4267	21§	22'5787	15'8871	21§	18'4838	3'7166
4215	27§	21'0898	22'8863	19§	20'9033	10'8367	4268	11	7'3487	16'7018	7	3'2732	4'8192
4216	5	21'8870	22'7847				4269	9	13'7020	16'5393	11	9'6225	4'5359
4217	9	23'5163	22'9030	6	23'3317	10'8519	4270	5†	16'5243	16'6569	8	12'4448	4'5990
4218	21§	23'9411	22'4437	8	23'7543	10'3890	4271	10	17'4146	16'5191	13	13'3315	4'4452
4219	36§	25'0692	22'1296	28	24'8832	10'0747	4272	9	19'4661	16'2596	10	15'3781	4'1453
4220	9	25'4403	22'1378	5†	25'2513	10'0861	4273	4	22'0147	16'9890	5	17'9405	4'8276
4221	23§	4'5455	23'4645	12	4'3573	11'4362	4274				8	1'9438	5'5094
4222	13	5'1440	23'8695	6	4'9576	11'8405	4275	22§	7'3439	17'3180	24§	3'2782	5'4357
4223	30§	9'0073	23'6741	20§	8'8223	11'6373	4276	17	10'5383	16'9770	19	6'4654	5'0320
4224	8	9'3173	23'7367	5	9'1309	11'7012	4277	18	19'4431	17'3264	16	15'3762	5'2128
4225	5	11'9633	23'4084				4278	121§	19'7665	17'2308	106§	15'6953	5'1114
4226	3	12'8958	23'7961				4279				4	18'6603	5'2415
4227	8	13'1030	23'0843	4†	12'9206	11'0440	4280	17	23'3917	17'8522	16	19'3356	5'6654
4228	4†	14'4907	23'3154				4281	4*	23'6252	18'0169	6	19'5724	5'8275
4229	11	18'4362	23'2843	6	18'2518	11'2384	4282	9	10'7678	18'5008	10	6'7240	6'5502
4230	4	18'4368	23'9868				4283	7	11'7566	18'6708	7	7'7143	6'7005
4231	9	18'8781	23'3098	6	18'6925	11'2647	4284	10	14'7178	18'7088	10	10'6759	6'6851
4232	28§	22'6439	23'2555	14	22'4588	11'2060	4285	23§	15'3576	18'5837	23§	11'3132	6'5467
4233	20	23'2353	23'3030	10	23'0522	11'2519	4286	4	16'6344	18'0637	6	12'5802	6'0003
4018	13	3'4330	24'2965	6	3'2487	12'2714	4287				4	17'9290	6'8442
4234	5*	11'7503	24'0273	4	11'5659	11'9915	4288	24§	9'3101	19'6970	24§	5'2879	7'7754
4235	12	11'7752	24'1933	6	11'5886	12'1559	4289				3	16'1508	7'3833
4236	3*	12'3316	24'3249	2*	12'1487	12'2891	4290				4	18'8251	7'3542
4237	17	17'8638	24'9163	11	17'6788	12'8706	4291	6*	11'1978	20'7639	8	7'1965	8'8060
4238	27§	18'2193	24'0785	16§	18'0343	12'0333	4292	8	11'8549	19'9905	9	7'8385	8'0218
4239	3	20'8585	24'2232	3	20'6734	12'1765	4293				3	10'1998	8'5229
4240	63§	24'5254	24'2120	40§	24'3414	12'1590	4294	8	20'2682	20'9757	9	16'2676	8'8492
4241	5	25'7000	24'9508	3*	25'5181	12'9056	4295	16	23'7208	21'1294	15	19'7242	8'9389
4242	6	8'4935	25'2047	3	8'3105	13'1720	4296	10	8'0637	21'4638	10	4'0756	9'5672
4243	4	9'1005	25'0668				4297	5	10'9180	21'9048	5	6'9378	9'9513
4244	6*	10'1588	25'7481	3	9'9753	13'7120	4298	8	11'9257	21'7011	10	7'9413	9'7267
4245	18	11'1010	25'3606	7	10'9191	13'3238	4299	5*	12'6572	21'7799	6	8'6744	9'7954
4246	3	11'3193	25'7441	2*	11'1344	13'7069	4300	30§	22'0723	21'4959	27§	18'0825	9'3342
4247	23	11'6709	25'8657	10	11'4869	13'8303	4301	4*	22'0952	21'5889	5	18'1086	9'4260
4248	51§	12'0733	25'0140	34§	11'8891	12'9743	4302	28	5'0473	21'9560	27	1'0658	10'1142
4249	21§	12'3412	25'2363	10	12'1585	13'1985	4220	6	5'4165	21'9348	9	1'4372	10'0862
4250	6	12'4371	25'8932	4*	12'2554	13'8572	4303	10	6'7524	22'5795	10	2'7888	10'7080
4251	8	16'4888	25'9036	5	16'3073	13'8622	4304	12	18'6771	23'0802	13	14'7183	10'9805
4252	4*	18'6726	25'6665	3	18'4890	13'6195	4305	16	19'4126	22'8374	14	15'4482	10'7233
4253	7	20'0583	25'3190	4	19'8761	13'2718	4306	13	19'5524	22'8863	11	15'5887	10'7682
4254	6†	20'4233	25'0190	4*	20'2391	12'9736	4307				5	15'8480	10'3093
4255	5*	21'5138	25'1431	4	21'3331	13'0945	4308	4*	21'1092	23'0164	6	17'1478	10'8682
4256	39§	21'5399	25'7943	18§	21'3568	13'7449	4309				4	17'8435	10'5833
							4310				4	18'2526	10'8642
							4311	85§	23'3738	22'6783	68§	19'4049	10'4914
							4312	12	7'5850	23'4489	12	3'6356	11'5569
							4313	29§	7'6380	23'0503	29§	3'6811	11'1583

Plates 3819, 2509. Nos. 4219, 4220, are measured also on Plates 891, 2500.

No. 4278. *d* Ursæ Majoris.

1 réseau interval represents very nearly 5' = 58'5 at Dec. +70°, and 61'4 at Dec. +71°.



## ZONE + 70°.

R.A. 9 <sup>h</sup> 11 <sup>m</sup> to 9 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre R.A. 9 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 891. 1893, March 21.				R.A. 9 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.					Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 1933. 1894, April 3.				R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1858. 1894, March 8.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
4314	8	9.7651	23.8957	8	5.8225	11.9648	°	m.	4358	3*	15.5532	16.1405	4†	7.3339	4.2627	°	m.		
4315	60§	11.1055	23.2767	49§	7.1511	11.3225	70	561	7.5	4359	4*	19.1341	16.5721	9	10.9279	4.5706			
4316	5	15.3274	23.1455	6	11.3697	11.1068			4360	17	19.2384	16.5342	23§	11.0330	4.5295				
4317	5	16.8034	23.5058	6	12.8505	11.4416			4361	21	20.0542	16.8546	25§	11.8568	4.8230	70	585		
4318	5	20.3085	23.5213	6	16.3590	11.3918			4362				5†	15.1139	4.4140		9.5		
4319				5	17.1625	11.2940			4363				7	15.4371	4.4162				
4320	22	23.1332	23.5506	20§	19.1793	11.3703	71	506	9.5	4364	4*	15.7736	17.5636	10	7.6090	5.6744			
4321	40§	10.3138	24.4132	33§	6.3812	12.4723	71	503	8.5	4365	54§	18.9358	17.8974	47§	10.7760	5.9020	70	584	
4322	8	10.6990	24.4486	11	6.7646	12.4992			4366				5	11.6841	5.6507		8.1		
4323	14	11.1696	24.9088	11	7.2467	12.9509			4367	8	22.4499	17.8949	19§	14.2859	5.7801				
4324	10	13.4577	24.3050	10	9.5219	12.3040			4368	34	23.1647	17.4273	30§	14.9855	5.2906	70	590		
4325	22	7.5039	25.0508	21§	3.5828	13.1644			4369	18	15.8962	18.6559	23§	7.7656	6.7630	70	581		
4326	11	12.6368	25.0995	12	8.7165	13.1128			4370	20	17.8392	18.0710	24§	9.6856	6.1155		9.5		
4327	(9*)	21.1312	25.9712	9	17.2239	13.8230			4371				4	10.5129	6.4907				
4328	29	22.9010	25.9975	20§	18.9925	13.8167			4372				6	10.9515	6.8391				
R.A. 9 <sup>h</sup> 30 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup>									4373				7	11.7629	6.6037				
Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 1933. 1894, April 3.				R.A. 9 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.					4374	9	21.2935	18.6528	14	13.1584	6.5761				
									4375				8	14.1795	6.7662				
4329	50§	5.7545	14.6109	54§	22.1320	2.5485	70	571	9.0	4376	21	12.4963	19.6452	24§	4.4013	7.8667			
4330	4*	4.9335	15.7014	6*	21.2376	3.5866			4377	27	13.3523	19.7488	30§	5.2606	7.9455	70	577		
4331				4	22.6778	3.9038			4378	13	16.5578	18.9378	20	8.4352	7.0228		9.5		
4332	40§	9.0345	15.2877	51§	25.3575	3.4407	70	573	9.3	4379	4*	21.1981	19.8131	9	13.0988	7.7377			
4333	4*	4.4377	16.5415	6	20.6886	4.3926			4380				6	14.7373	7.2569				
4334	3*	6.0825	17.6547	4	22.2581	5.6078			4381				4†	3.7739	8.6733				
4335	5	7.7738	18.7468	6	23.8738	6.8133			4382				6	8.3246	8.9508				
4336	8	8.1229	19.9403	14	24.1428	8.0240			4383				4	11.8469	8.6682				
4337	4	8.4108	20.0035	6	24.4255	8.1088			4384	56§	21.4171	20.1781	55§	13.3314	8.1100	70	588		
4338	55§	5.4501	23.0564	42§	21.2750	10.9551	70	570	8.8	4385			7	13.5904	8.5205				
4339	27	6.5003	22.9790	24§	22.3258	10.9527	70	572	9.5	4386	25	22.7634	20.5682	24§	14.6908	8.4426	70	589	
4340	34§	9.8045	22.1498	35	25.6795	10.3388	70	574	9.5	4387			9	15.3341	8.4484				
4341	75§	9.2490	24.6447	64§	24.9638	12.7895	71	509	8.0	4388	7*	23.9064	20.7753	18	15.8359	8.6095			
4342				10	20.6610	13.1610			4389	4*	14.7586	21.2656	8	6.7141	9.4099				
4343				7	21.3022	13.9175			4390	4*	14.7606	21.7547	9	6.7349	9.9003				
4344	24	6.1196	25.1778	25§	21.8040	13.1171			4391				4	7.0771	9.7007				
R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 50 <sup>m</sup>									4392				7	9.4252	9.0546				
Centre R.A. 9 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 1933. 1894, April 3.				R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1858. 1894, March 8.					4393	19	17.9209	21.2355	21	9.8756	9.2735				
									4394				3	12.1448	9.2954				
4345	35§	14.6086	14.3269	48§	6.3277	2.4802	70	580	9.5	4395	11	22.6610	21.7750	20	14.6287	9.6509			
4346	5*	20.6946	14.4369	10	12.4151	2.3865			4396				6	14.6603	9.0255				
4347	17	21.1297	14.9343	23	12.8657	2.8664			4397	5*	10.8032	22.2046	12	2.7980	10.4869				
4348	4*	22.6415	15.0861	7*	14.3908	2.9709			4398				6	3.5889	10.2036				
4349	12	16.2463	15.7536	19	8.0178	3.8538			4399				7	3.6368	10.9276				
4350	40§	18.4596	15.4840	40§	10.2176	3.5081	70	583	9.3	4400	60§	16.1312	22.0175	60§	8.1145	10.1177	70	582	
4351	7	20.0223	15.1850	16	11.7693	3.1549			4401				4	10.7696	10.1927		8.0		
4352	33§	21.4235	15.4754	33§	13.1789	3.3985	70	587	9.5	4402			4	13.5891	10.2843				
4353	4*	22.4401	15.6006	9	14.2005	3.4873			4403	55§	10.0480	22.8246	51§	2.0617	11.1337	70	575		
4354				5†	6.1434	4.9472			4404	9	12.4587	23.2751	17	4.4859	11.4994		7.8		
4355	26§	14.3536	16.7678	29§	6.1609	4.9293	70	578	9.5	4405			6	4.9643	11.0853				
4356	4*	15.3571	16.0616	5	7.1374	4.1924			4406	5	15.6306	23.4157	10	7.6598	11.5277				
4357				4†	7.3305	4.6244			4407	32§	17.7526	23.6318	31§	9.7882	11.6743	71	515		
									4408	8	10.6525	23.8593	16	2.7000	12.1430		9.2		
									4409	8†	10.6546	24.6891	16	2.7303	12.9760				
									4410	13	13.6177	24.4737	19	5.6845	12.6581				
									4411	46§	16.7419	24.4663	41§	8.8091	12.5427	71	514		
									4412				4	13.9567	12.8561		8.7		
									4413	9	22.1527	24.4852	17	14.2135	12.3805				
									4414				14	2.6147	13.7309				
									4415	7*	11.6761	24.8456	16	3.7548	13.0919				
									4416				7	8.6190	13.5808				

No. 4327. Plate 891. The 6<sup>min.</sup> image falls on a *résseau* line. The diameter given is that of the 3<sup>min.</sup> image.

1 *résseau* interval represents very nearly 5' = 58".5 at Dec. + 70°, and 61".4 at Dec. + 71°.

ZONE + 70°.

R.A. 9 <sup>h</sup> 50 <sup>m</sup> to 10 <sup>h</sup> 0 <sup>m</sup>								R.A. 9 <sup>h</sup> 50 <sup>m</sup> to 10 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 3877. 1898, Feb. 27.				Centre R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1858. 1894, March 8.				Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 3877. 1898, Feb. 27.				Centre R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1858. 1894, March 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
4417	11	3'9009	14'5954	5*	16'1150	2'3513		4476	6	7'9785	23'0108				
4418	5	5'1399	14'9399					4477	7	8'4333	23'0015				
4419	7	5'8921	14'4371					4478	19§	9'3747	23'2270	18	21'1770	11'2311	
4420	7	6'3018	14'0739					4479	6	9'3941	23'9455	4†	21'1627	11'9519	
4421	3	7'1344	14'2176					4480	9	9'6900	23'0018	5	21'5033	11'0210	
4422	16	10'9813	14'5297	6	23'1920	2'6214		4481	34§	10'6031	23'7755	31§	22'3796	11'8390	
4423	11	11'0856	14'3141					4482	5	11'5568	23'8725				
4424	23§	4'8212	15'6445	22	16'9863	3'4437		4483	4	13'0483	23'0208				
4425	7	10'1404	15'3069					4484	5*	4'7296	24'7720	5	16'4644	12'5588	
4426	7	4'4762	16'0797	5	16'6224	3'8594		4485	4*	5'5017	24'8566	4	17'2318	12'6865	
4427	7	6'0754	16'4145	3*	18'2058	4'2694		4486	14	5'6043	24'8567	9	17'3349	12'6855	
4428	11	6'1365	16'4247	5*	18'2624	4'2838		4487	11	6'0975	24'9021	9	17'8240	12'7503	
4429	4	6'9658	16'1344					4488	39§	8'1324	24'8069	32§	19'8633	12'7516	71 523 9'5
4430	11	7'5506	16'3434	4*	19'6794	4'2710		4489	14	8'8732	24'9718	11	20'5959	12'9543	
4431	6	10'8060	16'7082					4490	6	8'9950	24'7523	4	20'7250	12'7398	
4432	9	11'8178	16'6851					4491	22§	10'3881	24'8587	20	22'1133	12'9108	
4433	9	4'7477	17'7648	6	16'8128	5'5596		4492	49§	5'0450	25'1912	34§	16'7603	12'9888	71 519 9'5
4434	5	9'5989	17'5655					4493	6	7'9433	25'9593	5	19'6163	13'9003	
4435	4	10'6643	17'9505					4494	19	9'0465	25'0660	13	20'7631	13'0523	
4436	6	10'7833	17'3535					R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 10 <sup>m</sup>							
4437	6	3'9760	18'6108					Centre R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 3877. 1898, Feb. 27.				Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 1859. 1894, March 8.			
4438	4	4'5789	18'4170					4495	4	14'0787	14'6646				
4439	7	8'7801	18'7299	4†	20'7975	6'7098		4496	8	18'7805	14'2095				
4440	3	9'2346	18'8974					4497	6	20'0148	14'5269				
4441	2	11'2533	18'3325					4498	16	20'7043	14'8556	11	8'3464	2'7890	
4442	6	11'3613	18'8788					4499	18	21'0603	14'9288	16	8'7048	2'8425	
4443	2	11'9101	18'0823					4500	4	21'6304	14'0927				
4444	13	12'1571	18'5854	5*	24'1772	6'7251		4501	4	23'2206	14'0138				
4445	3	12'4675	18'7939					4502	4	23'2797	14'2959				
4446	3	12'8370	18'0168					4503	24§	24'1785	14'3934	17	11'7903	2'1467	
4447	61§	13'3897	18'2202	72§	25'4273	6'4204	70 596 8'5	4504	6	14'5634	15'7851				
4448	26§	13'4330	18'7632	33	25'4444	6'9658		4505	5	18'6448	15'3392				
4449	9	6'0420	19'2693	5	18'0355	7'1210		4506	6	18'7506	15'8466				
4450	3	10'6223	19'1289					4507	8	19'4858	15'4347	4*	7'1590	3'4313	
4451	3	11'2995	19'7165					4508	4	19'6530	15'5624				
4452	4	11'5694	19'8470					4509	39§	21'7606	15'0255	36§	9'4098	2'9047	70 602 9'5
4453	18§	12'2507	19'1799	19	24'2415	7'3263		4510	5	23'9703	15'1840	4*	11'6253	2'9503	
4454	5	12'4065	19'3857					4511	4	20'1302	16'7409	4	7'8690	4'6995	
4455	4	5'4779	20'6745					4512	11	21'0672	16'9033	6	8'8140	4'8140	
4456	22§	6'4880	20'2562	20§	18'4345	8'1303		4513	35§	21'1715	16'5354	32§	8'8994	4'4400	70 601 9'5
4457	7	7'1705	20'9053	5	19'0841	8'8108		4514	3	22'6870	16'6621				
4458	8	11'8444	20'7739					4515	10	14'9733	17'0050	4*	2'7374	5'2326	
4459	28§	12'7915	20'1636	38§	24'7363	8'3326	70 595 9'5	4516	12*	17'1136	17'0321	7	4'8730	5'1489	
4460	16§	13'4335	20'5555	10	25'3562	8'7578		4517	4	18'0235	17'9143				
4461	34§	13'9087	20'3248	41	25'8441	8'5481	70 597 9'3	4518	11	19'0652	17'4598	8	6'8421	5'4752	
4462	42§	5'5228	21'5645	34§	17'4065	9'3899	70 592 9'1	4519	4	21'2489	17'2141	4*	9'0106	5'1163	
4463	11	9'7748	21'1855	5	21'6738	9'2111		4520	6	23'1895	17'6799	4*	10'9755	5'4808	
4464	4	10'5939	21'0265					4521	3	14'0495	18'5300				
4465	4	11'2420	21'3070					4522	4	14'6483	18'5322				
4466	4	5'1412	22'6428	4	16'9755	10'4497		4523	6	15'2382	18'1295				
4467	34§	5'3310	22'3231	25§	17'1816	10'1390	70 591 9'5	4524	6	15'8836	18'8989	3*	3'7465	7'0764	
4468	14	5'4382	22'5651	9	17'2753	10'3877		4525	8	19'0395	18'7667	5	6'8832	6'7818	
4469	8	5'5668	22'6343	4	17'4022	10'4614		4526	75§	14'0308	19'0458	72§	1'8933	7'3152	70 598 7'5
4470	10	9'3842	22'5623	6	21'2191	10'5684		4527	18§	15'8101	19'2606	18	3'6850	7'4410	
4471	9	9'8785	22'2363	6	21'7265	10'2683		4528	4	16'3221	19'7758				
4472	68§	10'8269	22'5733	69§	22'6586	10'6485	70 593 8'0								
4473	4	11'1783	22'0053												
4474	3	13'6655	22'2253												
4475	5	6'2959	23'6250	4	18'0843	11'4858									

1 *reseau* interval represents very nearly  $5' = 58^{\circ}.5$  of R. A. at Dec.  $+70^{\circ}$ , and  $61^{\circ}.4$  at Dec.  $+71^{\circ}$ .



## ZONE + 70°.

R. A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 10 <sup>m</sup> —contd.									R. A. 10 <sup>h</sup> 10 <sup>m</sup> to 10 <sup>h</sup> 24 <sup>m</sup> —contd.								
Centre R. A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R. A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°								
Plate 3877. 1898, Feb. 27.			Plate 1859. 1894, March 8.			Plate 1934. 1894, April 3.			Plate 1859. 1894, March 8.								
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
							B. D.										
							No. Mag.										
							No. Mag.										
4529	23§	22°0028	19°1550	16	9°8638	7°0140	4582				3	15°4260	9°9910				
4530	4	22°3109	19°2374				4583	3	12°5664	21°5935	6	20°4876	9°7076				
4531	43§	14°5302	20°6528	37§	2°4780	8°8943	4584				3	14°1835	10°4918				
4532	7	15°4382	20°4968				4585	39§	6°3249	22°4000	35§	14°2223	10°3086				
4533	41§	15°4498	20°3151	38§	3°3775	8°5113	4586	6	8°9928	22°9361	13	16°8696	10°9232				
4534	5	15°4767	20°6869				4587	2*	9°4561	22°1932	4	17°3576	10°2106				
4535	16	16°4327	20°6860	8	4°3799	8°8303	4588				4	19°2554	10°6711				
4536	4	17°4499	20°2235				4589	10	13°6283	22°1463	20	21°5302	10°2913				
4537	14	20°2789	20°0707	8	8°1883	8°0203	4590	26§	14°9672	22°5926	36§	22°8535	10°7787				
4538	72§	23°8457	20°2315	57§	11°7611	7°9950	4591	17	17°5548	22°0033	31	25°4584	10°2757				
4539	19	23°9328	20°8241	10	11°8754	8°5840	4592	5*	5°4345	23°8711	9	13°2838	11°7522				
4540	15	18°6433	21°2677	10	6°6173	9°3001	4593				3	13°8872	11°0736				
4541	18	23°5834	21°3759	10	11°5563	9°1549	4594				6	14°4560	11°2845				
4542	15	14°3012	22°1053	9	2°3273	10°3603	4595	6	11°9768	23°6494	11	19°8312	11°7426				
4543	26§	14°4028	22°1068	19	2°4285	10°3568	4596	6	13°4748	23°4226	13	21°3358	11°5660				
4544	12	16°0503	22°0333	10	4°0655	10°1982	4597	41§	15°5089	23°4819	43§	23°3656	11°6877				
4545	4	16°0776	22°4009				4598	11	7°0590	24°9965	18	14°8730	12°9280				
4546	8	20°7719	23°0655	4	8°8381	10°9853	4599	23	7°5838	24°8743	26§	15°4017	12°8236				
4547				4	10°9435	11°5213	4600	23	12°3890	24°1171	25§	20°2276	12°2221				
4548	9*	22°9916	23°0547	6	11°0513	10°8584	4601				7	20°4544	12°2912				
4549	16	14°3616	24°2188	7	2°4958	12°4691	4602				3	24°0353	12°3719				
4550	30§	14°7589	24°6156	27§	2°9117	12°8435	4603	3*	16°5575	24°4414	7	24°3824	12°6809				
4551	18	15°0287	24°2251	11	3°1626	12°4408	4604	40§	5°0997	25°2640	34§	12°9050	13°1314				
4552	28§	16°6122	24°5828	20§	4°7612	12°7143	4605				3	21°0465	13°7033				
4553	14	20°0730	24°6025	10	8°2164	12°5533	4606	3*	16°0250	25°6705	7	23°8135	13°8964				
4554	9	20°4210	24°3145	4	8°5515	12°2478	4607	6	16°2460	25°1003	17	24°0503	13°3296				
4555	27§	23°4538	24°6860	16	11°5979	12°4637	R. A. 10 <sup>h</sup> 24 <sup>m</sup> to 10 <sup>h</sup> 30 <sup>m</sup>										
4556	4	14°7955	25°2678				Centre R. A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°							
4557	17	16°3628	25°2794	11	4°5472	13°4231	Plate 1934. 1894, April 3.			Plate 4376. 1899, March 14.							
4558	13	23°2606	25°1159	7	11°4256	12°9013	4608	8*	20°9982	14°7887	8	4°5046	2°9087				
R. A. 10 <sup>h</sup> 10 <sup>m</sup> to 10 <sup>h</sup> 24 <sup>m</sup>							4609	9	22°3974	14°2899	6	5°8672	2°3201				
Centre R. A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R. A. 10 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°								
Plate 1934. 1894, April 3.			Plate 1859. 1894, March 8.			Plate 1934. 1894, April 3.			Plate 4376. 1899, March 14.								
4559	4	5°0473	14°9297	10	13°1845	2°8012	4610	8	23°0842	15°0850	8	6°6028	3°0662				
4560	28§	10°2364	14°6770	41§	18°3818	2°7194	4611	6	22°7628	16°5563	6	6°3799	4°5554				
4561	48§	4°8751	15°3220	45§	13°0028	3°1888	4612	21	23°8637	16°9573	20§	7°5028	4°8817				
4562	4	5°4201	16°1316	8	13°5159	4°0175	4613	12	20°9485	17°3708	17	4°6238	5°4857				
4563	42§	5°4785	16°6423	42§	13°5616	4°5273	4614	19§	20°9373	18°1766	18	4°6657	6°2926				
4564	25	5°8117	17°0385	25§	13°8822	4°9358	4615				5	5°1856	6°8042				
4565	27§	7°7604	16°6461	28§	15°8398	4°6053	4616	42§	19°6509	18°9223	35§	3°4333	7°1246				
4566	8	11°0438	16°2512	14	19°1378	4°3158	4617	8	18°4630	20°4807	6	2°3538	8°7580				
4567	41§	16°7999	15°8083	69§	24°9066	4°0610	4618	4*	20°4498	20°1056	5	4°3109	8°2525				
4568	16	17°0633	16°2824	18	25°1549	4°5385	4619				4	5°4735	8°8277				
4569	4*	8°6476	17°2871	8	16°7115	5°2767	4620				4	5°9422	8°4463				
4570	39§	5°9990	18°6303	41§	14°0183	6°5334	4621	5*	20°6128	21°6558	6	4°5791	9°7868				
4571	3*	7°9389	18°3125	6	15°9643	6°2762	4622				4	5°5115	9°2222				
4572	36§	11°5112	18°7428	40§	19°5249	6°8213	4623				4	7°3080	9°5746				
4573	13	14°0000	18°3885	24§	22°0248	6°5483	4624	13	24°0288	21°5473	11	7°9748	9°4500				
4574	7	15°8542	18°0400	11	23°8885	6°2605	4625				3	3°4826	10°4680				
4575	3†	11°4452	19°5361	5	19°4350	7°6134	4626	14	18°0578	23°5932	15	2°1594	11°8925				
4576	46§	14°8172	19°2736	43§	22°8143	7°4591	4627	22	20°4999	25°0745	19§	4°6906	13°2054				
4577	14	15°9345	18°9075	26	23°9413	7°1274	R. A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 49 <sup>m</sup>										
4578	20	7°1379	21°0576	21§	15°0763	8°9930	Centre R. A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R. A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°							
4579	5*	8°6177	20°1200	8	16°5872	8°1046	Plate 3409. 1897, April 4.			Plate 4376. 1899, March 14.							
4580				4	14°6468	9°3450	4628	3	6°1408	14°8560	4	10°1699	2°7543				
4581	14	7°1547	21°8769	19	15°0666	9°8142	4629	12	8°8679	14°0258	15	12°9082	1°9655				

ZONE + 70°.

R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 49 <sup>m</sup> —contd.									R.A. 10 <sup>h</sup> 30 <sup>m</sup> to 10 <sup>h</sup> 49 <sup>m</sup> —contd.										
Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3409. 1897, April 4.				R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 4376. 1899, March 14.					Centre R.A. 10 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3409. 1897, April 4.				R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 4376. 1899, March 14.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
4630	29S	9.4527	14.5655	39S	13.4843	2.5150	70° 622	8.3	4689	5	20.5300	23.2451	8	24.4233	11.3639	°	m.		
4631	18	17.0748	14.1550	32	21.1119	2.2234	70° 629	9.5	4690	15	8.0188	24.7462	20S	11.8889	12.6702				
4632	5	18.3188	14.9933						4691	26S	13.3148	24.3963	30S	17.1903	12.4035	71	548		
4633	4	8.3125	15.4777	3	12.3300	3.4086			4692	4	15.9108	24.2458	6	19.7894	12.2948				
4634	5	9.9388	15.3643	5	13.9580	3.3194			4693	3	17.0892	24.6605	5	20.9595	12.7253				
4635	4	10.3890	15.9267	4	14.3994	3.8895			4694	16	18.6271	24.2448	21S	22.5033	12.3340	71	551		
4636	5	11.6398	15.2315	6	15.6584	3.2131			4695	25	5.6387	25.3148	26S	9.4994	13.1991	71	544		
4637	3*	11.8909	15.5883	3	15.9088	3.5749			4696	6	9.2178	25.7555	10	13.0710	13.6987				
4638	12	12.6559	15.5184	20	16.6708	3.5157			4697	7	11.6710	25.7392	9	15.5278	13.7208				
4639	5	15.3935	15.5547	5*	19.4101	3.5960			4698	13	17.1803	25.1569	16	21.0455	13.2261	71	550		
4640	27S	17.3190	15.7650	42S	21.3319	3.8355	70° 630	8.7	4699				3†	22.8391	13.8506				
4641	3	21.2059	15.8219						R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup>										
4642	7	4.9305	16.7015	8	8.9278	4.5781												Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 3968. 1898, April 21.	Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1975. 1894, April 10.
4643	10	5.4895	16.6455	15	9.4895	4.5305			4700	5	11.3509	14.4558	3*	11.2312	2.4295	°	m.		
4644	4	7.6090	16.3993	6	11.6105	4.3164			4701	34S	13.4157	14.8071	38S	13.2945	2.7762	70° 646	8.9		
4645	4	12.3478	16.1795	7	16.3535	4.1706			4702	19	14.7849	14.1551	13	14.6649	2.1241				
4646	4	15.6933	16.5772	4*	19.6977	4.6237			4703	42S	15.2098	14.9083	45S	15.0895	2.8760	70° 647	8.6		
4647	5	16.9768	16.3635	6	20.9805	4.4264			4704	9	15.5191	14.9640	6†	15.3998	2.9341				
4648	7	17.6684	16.7803	7	21.6620	4.8578			4705	14S	18.0455	14.4326	13	17.9271	2.3994	70° 650	9.5		
4649	4	19.4822	16.6144	4*	23.4806	4.7247			4706	20S	18.2305	14.6565	17	18.1112	2.6262				
4650	9	21.8597	16.6543	7	25.8587	4.7963			4707	13	18.8805	14.1747	7*	18.7598	2.1413				
4651	22	4.1603	17.9463	23S	8.1395	5.8098			4708	30S	19.4726	14.6343	37	19.3555	2.5986				
4652	8	13.9298	17.1163	12	17.9140	5.4350			4709	8	22.8459	14.3830							
4653	11	18.8042	17.9840	19	22.7810	6.0781			4710	10	24.8410	14.7756							
4654	30S	19.1268	17.5254	49S	23.1111	5.6241	70° 633	8.4	4711	4	3.4598	15.0993							
4655	6	19.6716	17.2678	6	23.6609	5.3766			4712	19S	4.9100	15.6961	14	4.8002	3.6754	70° 639	9.5		
4656	32S	22.9089	17.5630	59S	26.8910	5.7205	70° 637	8.5	4713	3	5.4930	15.4383							
4657	3	5.4150	18.0785	5	9.3908	5.9633			4714	46S	8.1406	15.5066	44S	8.0205	3.4814	70° 643	8.0		
4658	4	9.4370	18.2024	5	13.4120	6.1480			4715	7	13.2990	15.5083	4	13.1757	3.4796				
4659	24S	15.2793	18.4279	30S	19.2495	6.4655	70° 625	8.2	4716	7	16.4126	15.8542	4*	16.2951	3.8219				
4660	66S	20.6950	18.6825	85S	24.6589	6.8042	70° 634	6.0	4717	18S	17.8214	15.6570	16	17.7011	3.6254				
4661	10	22.0315	18.2787	12	26.0040	6.4243			4718	4	19.0165	15.3221							
4662	14	22.2706	18.3576	25	26.2407	6.5065	70° 636	9.5	4719	5	24.0611	15.3180							
4663	3	6.8108	19.0785	3†	10.7680	6.9835			4720	11	24.6002	15.9448							
4664	3	8.2037	19.3819	4	12.1602	7.3079			4721	4	4.5881	16.2013							
4665	5	10.2354	19.2872	5	14.1915	7.2561			4722	12	5.4696	16.6829	8	5.3520	4.6589				
4666	28S	11.3473	19.6260	34S	15.2988	7.6037	70° 623	8.8	4723	5	6.4211	16.7188							
4667	7	12.8700	19.2043	9	16.8285	7.2040			4724	5	9.4320	16.2838	3*	9.3171	4.2575				
4668	5	12.9695	19.1799	6	16.9293	7.1833			4725	7	10.7285	16.4064	4†	10.6099	4.3791				
4669	6	17.8025	19.0208	5	21.7627	7.0989			4726	34S	15.6399	16.2085	32S	15.5217	4.1769	70° 648	9.3		
4670	3	20.4286	19.1732	3*	24.3832	7.2949			4727	16	24.7979	16.8740	10*	24.6806	4.8372				
4671	27S	21.1308	19.0515	46S	25.0923	7.1815	70° 635	9.0	4656	51S	2.7804	17.6958	52S	2.6621	5.6749	70° 637	8.5		
4672	4	7.0535	20.0812	6	10.9995	7.9920			4728	6	5.9310	17.2429							
4673	3	7.2496	20.4030	4	11.1895	8.3154			4729	34S	6.7642	17.7528	39S	6.6457	5.7287	70° 642	9.0		
4674	2*	11.4396	20.1158	3	15.3799	8.0943			4730	4	7.0273	17.2871							
4675	14	14.6021	20.2050	18	18.5451	8.2336	70° 624	9.5	4731	5†	8.6424	17.4793							
4676	3	6.2270	21.1953	3	10.1532	9.0893			4732	3	8.9540	17.6601							
4677	21S	18.0415	21.2317	24S	21.9685	9.3148	70° 631	9.4	4733	7	9.3895	17.7432	4*	9.2717	5.7147				
4678	21S	19.0798	21.3148	28S	23.0035	9.4120	70° 632	9.3	4734	4	12.2167	17.0215	3*	12.0969	4.9922				
4679	4	21.3895	21.7967	5*	25.3007	9.9348			4735	6	13.1666	17.3259	4	13.0467	5.2993				
4680	44S	6.4529	22.0150	52S	10.3693	9.9158	70° 620	7.7	4736	20S	14.7840	17.1304	20	14.6665	5.0985				
4681	6	11.1091	22.9204	6	15.0093	10.8926			4737	24S	17.0083	17.0656	23S	16.8901	5.0353				
4682	8	13.1593	22.0643	12	17.0713	10.0685			4738	17	17.0968	17.9103	12	16.9810	5.8792				
4683	4	16.1386	22.3780	4	20.0470	10.4291			4739	5	18.3090	17.2083							
4684	34S	16.2323	22.8043	43S	20.1335	10.8553	70° 627	8.5	4740	6	18.4561	17.7670	4*	18.3371	5.7337				
4685	10	16.8254	22.0575	12	20.7376	10.1191	70° 628	9.5											
4686	8	17.7853	22.7370	13	21.6885	10.8150													
4687	5	22.4407	22.6254	7	26.3439	10.7795													
4688	2*	5.2669	23.7957	3	9.1494	11.6796													

Plates 3409, 4376. Nos. 4656, 4662 and 4687, are measured also on Plates 3968, 1975.

1 *réseau* interval represents very nearly  $\zeta' = 58^{\circ}.5$  of R.A. at Dec.  $+70^{\circ}$ , and  $61^{\circ}.4$  at Dec.  $+71^{\circ}$ .



## ZONE + 70°.

R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3968. 1898, April 21.				R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 1975. 1894, April 10.				Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 3968. 1898, April 21.				R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 1975. 1894, April 10.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	
4741	4	19°0896	17°2575					4687	17	2°7302	22°7833	10	2°6162	10°7624		
4742	11	19°3106	17°6522	6	19°1912	5°6183		4799	17	7°1136	22°1934	7*	6°9981	10°1706		
4743	6	19°8724	17°5026	3*	19°7597	5°4657		4800	7	7°8802	22°8935	4*	7°7673	10°8715		
4744	14	22°9500	17°5854	7*	22°8325	5°5486		4801	8	7°8819	22°6539	6	7°7686	10°6264		
4745	5	23°2111	17°0480					4802	5	9°7722	22°2767					
4746	28§	24°6070	17°2252	33	24°4879	5°1880		4803	11	13°1638	22°1584	8	13°0492	10°1317		
4747	9	25°7258	17°2943					4804	20§	13°9793	22°1073	14	13°8639	10°0772		
4662	34§	2°2106	18°5417	27	2°0910	6°5211	70 636 9°5	4805	4	16°1289	22°3318					
4748	14	3°4999	18°5757	6	3°3822	6°5541		4806	35§	17°6727	22°6884	34§	17°5602	10°6572	70 649 9°2	
4749	9	3°5704	18°4848	3*	3°4533	6°4622		4807	6	19°7946	22°2079	4*	19°6812	10°1740		
4750	10	5°1909	18°3304	5	5°0761	6°3055		4808	9	20°9682	22°8314	6	20°8518	10°7960		
4751	10	5°8396	18°5470	5*	5°7226	6°5244		4809	25	24°0615	22°5362	22	23°9480	10°5019		
4752	65§	5°9152	18°2855	61§	5°7989	6°2592	70 640 7°8	4810	5*	4°7263	23°7053	3*	4°6150	11°6846		
4753	20§	5°9605	18°2858	19	5°8423	6°2628		4811	27§	5°6851	23°4863	21§	5°5728	11°4645		
4754	5	6°1812	18°6035	3*	6°0615	6°5801		4812	10	7°1895	23°7140	5	7°0769	11°6923		
4755	11	6°2708	18°1555	6	6°1553	6°1320		4813	6	7°3591	23°0736	3*	7°2409	11°0516		
4756	9	7°6825	18°7843	6	7°5661	6°7571		4814	4	8°0225	23°4237	3*	7°9121	11°3957		
4757	4	9°0976	18°3604					4815	4	10°4691	23°8774	3*	10°3527	11°8543		
4758	5	11°9197	18°9123	4*	11°8022	6°8844		4816	28§	13°3958	23°4859	25§	13°2824	11°4564	71 559 9°5	
4759	6	14°3816	18°8375	4*	14°2648	6°8041		4817	8†	24°6081	23°3498	6	24°4902	11°3129		
4760	4	15°3787	18°4479					4818	14	5°4391	24°5339	10	5°3253	12°5129		
4761	4	17°0508	18°7547					4819	25§	5°4588	24°0057	17	5°3442	11°9840		
4762	5	18°7188	18°5468	4*	18°6029	6°5134		4820	16	6°0108	24°6342	10	5°8992	12°6093		
4763	29§	23°2787	18°9282	27§	23°1617	6°8919		4821	11	9°0781	24°5957	7	8°9673	12°5711		
4764	7†	23°4091	18°1539	3*	23°2890	6°1196		4822	13	9°3251	24°5029	7	9°2125	12°4753		
4765	26	23°6797	18°7942	26	23°5647	6°7555	70 653 9°5	4823	12	9°4395	24°9375	5	9°3272	12°9130		
4766	20	23°7772	18°9037	14	23°6591	6°8656		4824	38§	14°0863	24°1526	29§	13°9735	12°1249	71 560 9°5	
4767	4	8°1236	19°6222	3*	8°0091	7°5969		4825	5	18°3078	24°6059	3*	18°1995	12°5737		
4768	14	8°3785	19°7275	10	8°2629	7°7033		4826	32§	21°4289	24°2163	22§	21°3155	12°1820	71 564 9°5	
4769	3	11°5977	19°7204					4827	10	3°4711	25°3292	8	3°3608	13°3097		
4770	14	15°6042	19°4402	9	15°4896	7°4099		4828	20	3°9638	25°8418	14	3°8533	13°8198		
4771	5	17°0506	19°0958	4*	16°9390	7°0638		4829	27	5°0333	25°4674	18	4°9208	13°4450		
4772	75§	18°2198	19°2979	46§	18°1043	7°2635	70 651 8°4	4830	8	8°6093	25°1329	4	8°4960	13°1069		
4773	5	20°4502	19°6561					4831	69§	9°7635	25°2677	61§	9°6514	13°2404	71 557 7°9	
4774	55§	4°0403	20°7293	51§	3°9253	8°7062	70 638 8°0	4832	20	9°9012	25°6048	10	9°7905	13°5795		
4775	58§	6°2649	20°3962	48§	6°1497	8°3742	70 641 7°1	4833	48§	12°0140	25°0963	42§	11°9023	13°0671	71 558 8°6	
4776	19	7°8221	20°5468	15	7°7085	8°5226		4834	24	16°8248	25°8810	16	16°7152	13°8490		
4777	5	10°4800	20°1057					4835	8	17°6279	25°7980	5	17°5146	13°7664		
4778	78§	10°8181	20°8349	69§	10°7035	8°8080	70 645 6°3	4836	15	19°1027	25°3099	6	18°9908	13°2746		
4779	4	10°8227	20°5093	2*	10°7119	8°4810		4837	7	19°4547	25°1050	4†	19°3436	13°0697		
4780	20§	14°1085	20°5155	16	13°9905	8°4849		4838	18	19°5147	25°6989	13	19°4033	13°6669		
4781	11	15°2498	20°5127	6	15°1350	8°4787		4839	5*	20°1988	25°0647	3*	20°0855	13°0307		
4782	8	16°9728	20°7224	5†	16°8576	8°6893		4840	4*	20°4750	25°0841	4	20°3637	13°0497		
4783	6	17°2120	20°2228	3*	17°0934	8°1891		4841	25§	23°3543	25°7494	21§	23°2424	13°7142		
4784	10	18°2096	20°3463	7	18°0950	8°3133		4842	8*	23°9529	25°8725	8	23°8405	13°8356		
4785	20§	18°8399	20°1031	17	18°7230	8°0697		R.A. 11 <sup>h</sup> 11 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup>								
4786	10	21°8322	20°9008	6*	21°7181	8°8679		Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				
4787	12	22°3007	20°7575	7	22°1880	8°7240		Plate 3975. 1898, April 22.				Plate 4412. 1899, April 17.				
4788	5	22°3033	20°2131	4*	22°1859	8°1802		4843	9	12°5174	13°9773					
4789	31§	23°5044	20°9503	23	23°3901	8°9141		4844	4	15°6364	13°9888					
4790	10	4°0893	21°7555	6	3°9743	9°7366		4845	21§	11°1133	14°1338	8	6°8156	2°2153		
4791	30§	4°1952	21°0230	22§	4°0808	8°9990		4846	3	12°1597	14°1843					
4792	12	7°9460	21°5064	9	7°8327	9°4803		4847	3	15°3314	14°4839					
4793	4	11°0363	21°6518					4848	5	16°3908	14°6684					
4794	12	12°9903	21°5427	7	12°8764	9°5129		4849	16§	17°2750	14°5885	4*	12°9853	2°5666		
4795	11	15°2613	21°5572	8	15°1485	9°5275		4850	35§	20°0327	14°7073	23	15°7427	2°6421	70 666 9°3	
4796	5	15°6980	21°2033	4*	15°5831	9°1722										
4797	11	25°7416	21°5150													
4798	7	2°5124	22°1231													

Plates 3968, 1975. Nos. 4747, 4797, are measured also on Plates 3975, 4412.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.

## ZONE + 70°.

R.A. 11 <sup>h</sup> 11 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 11 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> —contd.									
Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71°					
Plate 3975. 1898, April 22.				Plate 4412. 1899, April 17.				Plate 3975. 1898, April 22.				Plate 4412. 1899, April 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No. Mag.								No. Mag.		
4851	4	22.5087	14.4151					4909	56§	16.1416	18.0400	41§	11.9085	6.0380	70° 661	8.3	
4852	7	22.6016	14.6490					4910	9	16.4565	18.7448	3	12.2338	6.7367			
4853	5	23.4108	14.0848					4911	30§	18.1378	18.3383	19	13.9075	6.3048	70° 662	9.5	
4854	11	5.3407	15.9818					4912	6	19.1225	18.2338						
4855	4	5.7386	15.5586					4913	7	19.2889	18.9262	3*	15.0674	6.8707			
4856	16	6.1921	15.2843					4914	18§	19.8993	18.9173	9	15.6765	6.8544			
4857	5	7.6018	15.2165					4915	6	19.9163	18.8999	3*	15.6942	6.8366			
4858	14	8.8515	15.2641	3*	4.5748	3.3839		4916	3	20.9908	18.4748						
4859	4	9.0013	15.1535					4917	21§	21.0905	18.3046	8	16.8595	6.2226			
4860	7	11.7382	15.4376	2*	7.4597	3.5084		4918	3	22.0053	18.8313						
4861	9	11.9510	15.7534	3*	7.6793	3.8190		4919	11	22.1358	18.1128	4*	17.8998	6.0106			
4862	25§	15.4489	15.9061	16	11.1779	3.9156	70° 660	9.5	4920	5	22.2008	18.1127					
4863	25§	17.3018	15.1384	17	13.0203	3.1185		4921	9	10.1720	19.5456	3*	5.9658	7.6411			
4864	6	17.5010	15.0613					4922	12	10.6405	19.9138	3*	6.4368	8.0006			
4865	26§	21.3109	15.0393	15	17.0253	2.9523		4923	3	12.4304	19.2703						
4866	6	21.3835	15.0165					4924	12	12.7286	19.9104	4*	8.5228	7.9651			
4867	5	21.4737	15.2337					4925	25§	22.7162	19.1629	11	18.4993	7.0525			
4868	5	22.4818	15.1361					4926	13§	6.5848	20.0145						
4869	6	22.9888	15.2788					4927	29§	7.7876	20.6618	14	3.5982	8.7982	70° 655	9.5	
4870	72§	24.1733	15.6398	52§	19.9005	3.5037	70° 669	7.3	4928	4	9.1638	20.9355					
4871	7	5.6358	16.7546					4929	4	10.3797	20.1550						
4872	5	5.7232	16.7808					4930	17	11.4120	20.8524	5	7.2252	8.9323			
4873	19§	5.7922	16.0962	4*	1.5286	4.2681		4931	3	11.9563	20.0650						
4874	4	6.6875	16.6665					4932	6	13.2308	20.7179						
4875	21§	6.8806	16.2603	6	2.6197	4.4134		4933	19§	14.0897	20.3236	10	9.8910	8.3541			
4876	4	7.7840	16.7310					4934	6	16.0262	20.9468						
4877	21§	8.7776	16.1098	8	4.5134	4.2320		4935	4	16.3299	20.7416						
4878	6	8.9120	16.2141					4936	3	18.0585	20.5754						
4879	26§	9.0507	16.7162	14	4.7950	4.8344		4937	9	18.6938	20.5459	3*	14.5036	8.5021			
4880	33§	10.1035	16.8425	19§	5.8488	4.9415	70° 657	9.2	4938	39§	19.2926	20.7239	20§	15.1016	8.6691	70° 664	9.5
4881	22§	10.1989	16.6962	11	5.9427	4.7943		4939	14	19.3338	20.6928	4	15.1419	8.6371			
4882	11	10.6879	16.0300	3*	6.4213	4.1229		4940	4	22.3417	20.4403						
4883	5	11.5339	16.5352					4941	7	23.1438	20.3578	3*	18.9478	8.2386			
4884	29§	12.8691	16.2675	21§	8.6035	4.3197	70° 658	9.5	4942	5	23.7722	20.1050					
4885	31§	13.6770	16.5713	22§	9.4170	4.6109	70° 659	8.4	4943	14	5.8645	21.3644	4*	1.6843	9.5341		
4886	12§	16.7550	16.7703	4	12.4985	4.7588		4944	8	6.5780	21.5078	3*	2.4055	9.6656			
4887	23§	18.4385	16.4073	13	14.1774	4.3669		4945	3	6.9583	21.8559						
4888	3	19.1921	16.3888					4946	4	8.8908	21.5040						
4889	4	19.6524	16.4561					4947	21§	9.9099	21.8238	6	5.7378	9.9245			
4890	4	5.4530	17.4013					4948	5	10.8902	21.7143						
4891	12	5.4969	17.1586					4949	4	18.0721	21.9287						
4892	5	9.6520	17.8825					4950	7	19.5496	21.4359	2*	15.3718	9.3787			
4893	9	14.2236	17.7998					4951	14	23.7575	21.6461	4	19.5828	9.5206			
4894	5	19.4799	17.1735	3*	15.2288	5.1166		4952	6	10.0764	22.9803	3*	5.9233	11.0820			
4895	25§	20.3026	17.4045	15	16.0563	5.3343	70° 667	9.5	4953	6	12.4077	22.5580					
4896	7	21.1093	17.5038	2*	16.8638	5.4191		4954	7	12.6520	22.8891	2*	8.4973	10.9456			
4897	6	21.7497	17.8046					4955	6	17.0765	22.3119	3*	12.9118	10.2941			
4898	3	21.7872	17.9785					4956	15	18.5445	22.5347	5	14.3855	10.4928			
4899	5	6.6574	18.1355					4957	19§	18.9184	22.6746	6	14.7607	10.6269			
4900	22§	8.0400	18.1590	8	3.8093	6.2931		4958	5	22.5384	22.6198						
4901	6	8.2892	18.5161					4959	12	23.3874	22.8642	6	19.2305	10.7413			
4902	6	8.3920	18.3342					4960	12	23.5711	22.0325	5	19.4016	9.9068			
4903	28§	8.6304	18.5747	12	4.4038	6.6980		4961	10	12.3048	23.3655	3*	8.1601	11.4271			
4904	4	9.1023	18.1497					4962	22§	13.2799	23.8357	7	9.1425	11.8795			
4905	17§	9.6268	18.0987	5	5.3945	6.2053		4963	9	14.0904	23.0668	3	9.9375	11.0983			
4906	13§	9.7479	18.6749	4†	5.5246	6.7825		4964	7	14.5157	23.9118	2*	10.3765	11.9356			
4907	11	10.5101	18.3061	4*	6.2800	6.3981		4965	10	15.4387	23.9643	3†	11.3004	11.9755			
4908	4	11.4610	18.9913					4966	34§	16.8882	23.5953	19	12.7468	11.5821	71° 573	9.5	
	4	15.2861	18.7150						4966	22§	17.5772	23.4573	6	13.4324	11.4338		



## ZONE + 70°.

R.A. 11 <sup>h</sup> 11 <sup>m</sup> to 11 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 36 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 11 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°					
Plate 3975. 1898, April 22.				Plate 4412. 1899, April 17.				Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.		
4967	25	23°1038	23°4979	7	18°9590	11°3786	°	m.	5014	14	20°9001	14°7469	5	12°6998	2°5563	°	m.
4968	20	8°9750	24°2196	6	4°8433	12°3360			5015	21§	21°5336	14°6949	7	13°3323	2°4848		
4969	5	12°5312	24°0437	3*	8°3975	12°1006			5016	7	21°8550	14°0155					
4970	13	13°9948	24°7058	3	9°8686	12°7396			5017	9	22°1989	14°7637					
4971	15	14°7899	24°4531	4	10°6609	12°4735			5018	12	12°1004	15°3916					
4972	17	17°4681	24°0736	6	13°3328	12°0488			5019	34§	12°6142	15°2131	13	4°4309	3°2687		
4973	10	19°0613	24°5022	5*	14°9338	12°4526			5020	7	13°2417	15°9254					
4974	7	19°5416	24°9868	3*	15°4198	12°9256			5021	10	14°1729	15°5796	5*	5°9989	3°5874		
4975	5*	21°0916	24°9855	2*	16°9698	12°9001			5022	6	14°9648	15°0650					
4976	28§	22°4592	24°8464	10	18°3348	12°7365			5023	8	15°4100	15°8785	3†	7°2440	3°8526		
4977	6	9°0065	25°7632	3*	4°9029	13°8825			5024	3	15°9725	15°0485					
4978	6	10°7933	25°0683						5025	19	16°2358	15°7944	6	8°0702	3°7435		
4979	18	19°8328	25°9215	6	15°7291	13°8563			5026	15	16°6485	15°3654	4	8°4684	3°3034		
4980	3*	20°0852	25°1839	2*	15°9683	13°1155			5027	4	18°0587	15°6577					
4981	31	20°5378	25°5952	11	16°4267	13°5175			5028	13	18°0988	15°6220	4	9°9275	3°5139		
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°					
Plate 3984. 1898, April 24.				Plate 4412. 1899, April 17.				Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.					
4982	8	8°3403	14°7253				°	m.	5031	8	11°9483	16°1357					
4983	11	9°7092	14°6288						5032	7	13°3700	16°1484					
4984	6	6°7346	15°2402						5033	17	14°9164	16°2267	6	6°7627	4°2190		
4985	16	4°9893	16°7850	5*	21°1282	4°6563			5034	13	19°2761	16°1555	4	11°1193	4°0145		
4986	5	6°0080	16°2968						5035	30§	20°7280	16°1718	14	12°5722	3°9878		
4987	28§	6°4700	16°3861	13	22°6318	4°3553			5036	10	23°1503	16°7554	4	15°0073	4°4965		
4988	30§	9°0187	16°2597	15	25°1843	4°3948			5037	33§	11°0847	17°3212	19	2°9645	5°4221		
4989	6	4°7200	17°3149						5038	4	12°2528	17°6664					
4990	6	5°2285	17°4260						5039	27§	12°2683	17°5552	14	4°1565	5°6210		
4991	12	7°9387	17°4649						5040	6	12°5487	17°6331					
4992	19§	9°8876	18°6587	5*	25°8952	6°8484			5041	27§	12°6451	17°2970	12	4°5248	5°3517		
4993	6	5°8570	20°3058						5042	6	13°2693	17°3321					
4994	4	8°7726	20°7455						5043	26§	16°3803	17°8888	8	8°2749	5°8317		
4995	8	9°4012	20°4128						5044	9	19°3181	17°6779	3	11°2037	5°5335		
4996	42§	6°1083	22°9217	18§	21°8427	10°8520			5045	5	20°7148	17°7781					
4997	22§	7°3339	22°4532	7	23°0986	10°4649			5046	28	23°3444	17°5460	11*	15°2246	5°2823		
4998	23§	9°9505	22°6090	7	25°6938	10°7935			5047	4	10°2290	18°7656					
4999	24§	8°7770	23°6063	9	24°4616	11°7089			5048	7	10°6076	18°0800					
5000	7	9°1612	23°4069						5049	12	11°7984	18°1420					
5001	9*	4°4023	24°4447	3	20°0385	12°2599			5050	7	13°1299	18°0565					
5002	24	6°7588	24°7256	8	22°3724	12°6941			5051	4	13°2812	18°9970					
5003	11	8°6006	24°7693	3*	24°2050	12°8578			5052	7	13°5978	18°6723	3*	5°5207	6°6989		
5004	26	5°1200	25°5402	9	20°6822	13°3992			5053	11	14°4463	18°3099	4	6°3523	6°3124		
5005	26	5°2545	25°5789	9	20°8155	13°4457			5054	40§	17°7804	18°1260	19§	9°6833	6°0300	70	676
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°					
Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.				Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.					
5006	29§	12°1282	13°9815	12	3°9115	2°0518	°	m.	5055	5	19°1227	18°4451					
5007	31§	11°9943	14°1848	9	3°7823	2°2600	70	673	5056	3†	10°0313	19°2281					
5008	6	13°8926	14°5117						5057	5	12°5783	19°1834					
5009	11	14°2091	14°5261						5058	9	13°0530	19°9154					
5010	4	14°7110	14°6802						5059	87§	13°4793	19°8157	57§	5°4320	7°8460	70	674
5011	17	15°0798	14°7362	5	6°8830	2°7181			5060	4	13°6316	19°0455					
5012	3	15°3850	14°2369						5061	5	13°6904	19°2744					
5013	16	16°7074	14°4011	5*	8°4979	2°3331			5062	6	13°7272	19°3052					
5006	29§	12°1282	13°9815	12	3°9115	2°0518	°	m.	5063	4	14°6815	19°1308					
5007	31§	11°9943	14°1848	9	3°7823	2°2600	70	673	5064	11	14°7634	19°7222	3	6°7138	7°7100		
5008	6	13°8926	14°5117						5065	10	17°1544	19°7686	4	9°1038	7°6870		
5009	11	14°2091	14°5261						5066	3	17°1767	19°9065					
5010	4	14°7110	14°6802						5067	6	18°0228	19°4211	4	9°9773	7°3146		
5011	17	15°0798	14°7362	5	6°8830	2°7181			5068	13	18°4055	19°6553	4	10°3518	7°5378		
5012	3	15°3850	14°2369						5069	3	18°5023	19°7546					
5013	16	16°7074	14°4011	5*	8°4979	2°3331			5070	3	21°3650	19°0505					
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°					
Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.				Plate 3984. 1898, April 24.				Plate 2579. 1895, May 1.					
5014	14	20°9001	14°7469	5	12°6998	2°5563	°	m.	5071	11	23°7536	19°8999	6	15°7024	7°6224		
5015	21§	21°5336	14°6949	7	13°3323	2°4848			5072	8	10°5406	20°5719	3*	2°5804	10°6859		

## ZONE + 70°.

R.A. 11 <sup>h</sup> 36 <sup>m</sup> to 11 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre R.A. 11 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 3984. 1898, April 24.			Plate 2579. 1895, May 1.				Plate 3990. 1898, April 27.			Plate 2579. 1895, May 1.			
No	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No. Mag.							No. Mag.						
5073	4	12°28'06"	20°38'67"				5126	6	13°76'04"	15°97'28"			
5074	5	15°33'84"	20°02'58"				5127	4	10°76'26"	16°38'76"			
5075	6	19°99'70"	20°39'06"				5128	10	12°34'98"	16°94'31"			
5076	29§	10°05'83"	21°59'45"	12	2°06'73"	9°72'32"	5129	8	12°71'44"	16°72'75"			
5077	31§	13°31'95"	21°27'89"	12	5°31'91"	9°31'38"	5130				6	20°10'81"	5°71'66"
5078	5	14°28'05"	21°57'05"				5131	20§	11°78'19"	17°91'93"	14	23°88'33"	5°93'76"
5079	7	14°58'65"	21°59'76"				5132	5	6°15'19"	18°31'59"	4*	18°23'89"	6°03'18"
5080	12	15°02'55"	21°87'36"	5	7°04'20"	9°85'60"	5133	5	6°79'48"	18°86'04"	4*	18°85'36"	6°60'93"
5081	9	15°88'00"	21°20'53"	4	7°87'23"	9°16'10"	5134	22§	7°56'00"	18°47'52"	12	19°63'50"	6°26'60"
5082	4	16°01'82"	21°89'07"				5135	4*	7°72'01"	18°74'70"	4	19°78'51"	6°54'41"
5083	27§	17°11'21"	21°16'66"	10	9°10'45"	9°08'88"	5136	20§	10°15'06"	18°60'01"	14	22°21'80"	6°52'89"
5084	52§	18°50'81"	21°20'27"	23§	10°50'05"	9°08'03"	5137	9	10°50'39"	18°23'34"	4†	22°59'09"	6°18'16"
5085	5	21°80'73"	21°12'09"	3	13°79'25"	8°89'96"	5138	4	11°73'69"	18°36'57"			
5086	5*	22°21'72"	21°97'03"	3	14°22'85"	9°73'70"	5139	16§	11°77'28"	18°94'56"	11	23°82'01"	6°95'76"
5087	28§	22°54'01"	21°48'14"	9	14°53'63"	9°23'83"	5140	4	12°94'13"	18°19'81"			
5088	8	11°13'07"	22°40'38"	4	3°16'38"	10°50'24"	5141	4	13°81'79"	18°31'55"			
5089	9	14°63'00"	22°16'21"	3†	6°65'10"	10°15'49"	5142	5	3°96'58"	19°06'27"	4*	16°01'56"	6°66'39"
5090	13	16°21'80"	22°93'53"	5	8°26'41"	10°88'20"	5143	45§	8°18'00"	19°14'60"	33§	20°22'27"	6°96'98"
5091	5	16°30'18"	22°09'19"				5144	6	10°49'00"	19°28'73"	4†	22°52'12"	7°23'04"
5092	14	18°65'79"	22°77'53"	5	10°69'61"	10°64'79"	5145	43§	7°44'34"	20°76'75"	29§	19°39'98"	8°55'14"
5093	10	14°74'14"	23°76'86"	5*	6°81'34"	11°75'61"	5146	15	10°20'83"	20°19'46"	11	22°18'89"	8°12'07"
5094	34§	15°07'80"	23°37'40"	14	7°13'48"	11°35'20"	5147	5	11°02'53"	20°60'95"			
5095	8	15°31'04"	23°26'86"	4	7°36'52"	11°24'11"	5148	5	12°35'02"	20°13'45"			
5096	35§	16°97'13"	23°50'54"	15	9°03'23"	11°42'63"	5149	20§	5°34'09"	21°13'47"	11	17°28'25"	8°80'34"
5097	6	18°33'98"	23°03'60"				5150	8	9°70'55"	21°16'55"	5	21°63'72"	9°06'87"
5098	29§	20°67'12"	23°57'95"	11	12°73'26"	11°39'23"	5151	21§	10°78'08"	21°07'17"	15	22°71'64"	9°02'95"
5099	14	11°91'23"	24°37'71"				5152	6	11°33'98"	21°82'91"	4†	23°23'49"	9°81'71"
5100	5†	11°93'45"	24°60'62"				5153	9	13°29'53"	21°77'17"			
5101	22	12°37'95"	24°04'80"	7	4°46'27"	12°10'85"	5154	12	9°84'16"	22°46'95"	6	21°70'58"	10°37'68"
5102	20	12°88'47"	24°69'35"	8	4°98'20"	12°73'60"	5155	5†	10°14'22"	22°11'89"			
5103	3†	13°25'00"	24°39'36"				5156	30§	10°98'33"	22°60'36"	22§	22°83'68"	10°56'69"
5104	32§	13°64'34"	24°82'20"	15	5°74'84"	12°84'35"	5157	20§	12°02'03"	22°27'39"	17§	23°89'08"	10°29'47"
5105	12	14°28'47"	24°38'14"	4	6°37'40"	12°38'33"	5158	4	12°14'15"	22°84'14"			
5106	20	17°24'14"	24°36'71"	8	9°32'72"	12°28'13"	5159	7	13°59'08"	22°47'15"			
5107	20	18°60'03"	24°19'09"	6	10°68'20"	12°06'55"	5160	10	5°93'87"	23°06'40"	5	17°77'37"	10°76'10"
5108	13	19°16'37"	24°43'48"	4	11°25'05"	12°28'88"	5161	27§	6°48'29"	23°24'26"	9	18°30'99"	10°96'90"
5109	22	21°34'07"	24°54'70"	7	13°43'10"	12°33'86"	5162	18	9°09'99"	23°79'70"	6	20°88'96"	11°66'03"
5110	5	21°60'34"	24°34'92"				5163	91§	9°84'75"	23°62'83"	71§	21°64'81"	11°53'13"
5111	6	12°66'90"	25°44'74"				5164	14	10°18'34"	23°36'76"	6*	21°99'86"	11°28'99"
5112	45§	13°53'15"	25°78'58"	19§	5°66'35"	13°81'00"	5165	3	10°63'97"	23°67'64"	3*	22°42'36"	11°62'32"
5113	20	16°75'42"	25°60'47"	8	8°87'71"	13°53'13"	5166	46§	5°34'78"	24°37'86"	24§	17°11'45"	12°04'38"
5114	14	19°12'39"	25°52'50"	5	11°24'36"	13°38'15"	5167	58§	8°85'90"	24°93'06"	34§	20°59'33"	12°77'80"
5115	31§	20°95'03"	25°94'81"	8	13°08'29"	13°74'97"	5168	17§	10°28'10"	24°09'02"	8	20°05'75"	12°01'78"
5116	5	23°20'66"	25°59'21"	4	15°32'51"	13°32'67"	5169	16	9°71'93"	25°88'43"	10	21°40'16"	13°77'76"
							5170	15	10°83'01"	25°83'50"	8	22°51'48"	13°78'87"
							5171	23§	11°54'02"	25°66'17"	13	23°23'32"	13°65'33"

R.A. 11 <sup>h</sup> 50 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup>							R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup>						
Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 3990. 1898, April 27.			Plate 2579. 1895, May 1.				Plate 3990. 1898, April 27.			Plate 4377. 1899, March 14.			
No	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No. Mag.							No. Mag.						
5117	8	6°19'82"	14°73'74"	4*	18°47'16"	2°46'09"	5172	6	22°30'39"	14°85'90"			
5118	7	8°34'93"	14°04'55"	4*	20°65'33"	1°89'06"	5173	9	23°75'72"	14°11'97"	2*	11°29'04"	1°84'78"
5119	4	10°46'09"	14°06'29"				5174	7	14°96'70"	15°73'13"			
5120	15§	10°90'88"	14°41'23"	8	23°19'62"	2°38'43"	5175	4	16°83'51"	15°86'43"			
5121	4	6°77'05"	15°79'56"				5176	34§	17°79'17"	15°95'30"	32§	5°42'53"	3°97'15"
5122	46§	7°86'06"	15°08'53"	40§	20°11'59"	2°89'69"	5177	4	18°28'62"	15°99'50"			
5123	6	8°13'99"	15°42'51"				5178	7	18°54'25"	15°05'18"			
5124	24§	10°44'70"	15°46'43"	11	22°67'89"	3°41'07"							
5125	30§	11°47'43"	15°78'76"	26	23°68'77"	3°79'17"							



## ZONE + 70°.

R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				Centre R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 3990. 1898, April 27.				Plate 4377. 1899, March 14.				Plate 2531. 1895, April 11.				Plate 4377. 1899, March 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
5179	25 $\frac{1}{2}$	19°7'48.1	15°17'05	17	7°33'92	3°09'47	70° 687 9.5	5232	7	11°37'69	15°41'86	5*	19°45'74	3°60'39	
5180	6	20°7'49.1	15°8'735					5233	16	4°08'56	16°35'44	13	12°13'81	4°30'90	
5181	4	16°6'44.5	16°01'53					5234	33 $\frac{1}{2}$	6°60'24	16°81'97	36 $\frac{1}{2}$	14°63'53	4°85'22	70 691 8.0
5182	4	17°5'87.1	17°78'45					5235	9	11°33'23	16°82'50	8	19°36'37	5°00'68	
5183	4	14°4'25.4	18°21'81					5236	12 $\frac{1}{2}$	12°37'70	16°46'06	11	20°42'17	4°67'82	
5184	37 $\frac{1}{2}$	14°7'62.7	18°93'17	32 $\frac{1}{2}$	2°54'34	7°09'60	70 684 9.5	5237	23 $\frac{1}{2}$	12°91'50	16°22'00	28 $\frac{1}{2}$	20°96'85	4°45'39	70 695 8.7
5185	6	17°10'69	18°87'25					5238	17 $\frac{1}{2}$	14°11'05	16°06'47	21	22°16'65	4°33'49	70 696 9.3
5186	8	17°59'16	18°79'15	5*	5°36'13	6°81'73		5239	24 $\frac{1}{2}$	15°61'15	16°81'64	28	23°64'07	5°13'63	70 697 9.0
5187	10	19°56'19	18°88'10	4	7°33'61	6°81'01		5240	12	17°80'35	16°44'35	11	25°84'31	4°83'19	
5188	3	20°07'68	18°98'83					5241	11	4°97'73	17°20'68	9	12°99'98	5°18'93	
5189	4	14°86'05	19°37'70					5242	15 $\frac{1}{2}$	10°42'45	17°16'14	15	18°44'60	5°31'54	
5190	12	18°05'19	19°94'93	4	5°87'93	7°95'18		5243	17 $\frac{1}{2}$	15°40'48	17°29'27	18	23°42'03	5°60'42	
5191	4	21°56'52	19°60'08					5244	36 $\frac{1}{2}$	16°50'89	17°24'50	54 $\frac{1}{2}$	24°52'40	5°58'78	70 698 8.3
5192	4	17°36'85	20°72'57					5245	4	10°15'05	18°75'45	3	18°12'47	6°71'68	
5193	7	17°00'67	20°33'70	3*	5°75'27	8°34'53		5246	3	11°23'39	18°70'64				
5194	43 $\frac{1}{2}$	18°34'53	20°63'34	26 $\frac{1}{2}$	6°20'67	8°61'98	70 686 8.3	5247	5	13°17'40	18°67'53	4	21°14'70	6°91'50	
5195	3	19°66'89	20°42'56					5248	11	14°94'74	18°95'66	10	22°91'03	7°25'40	
5196	8	20°26'57	20°73'83	4	8°12'87	8°63'05		5249	4	17°97'45	18°40'57				
5197	17 $\frac{1}{2}$	21°01'15	20°46'50	6	8°86'00	8°32'24		5250	12	4°85'82	19°89'28	7	12°79'50	7°86'61	
5198	18	23°78'85	20°62'43	13	11°64'14	8°34'21		5251	29 $\frac{1}{2}$	5°07'26	19°19'28	25 $\frac{1}{2}$	13°03'05	7°17'49	
5199	5	14°80'53	21°11'60					5252	6	5°21'89	19°91'55	4	13°15'54	7°90'28	
5200	4	15°08'56	21°60'04					5253	9	5°34'36	19°21'96	6	13°30'40	7°20'98	
5201	22 $\frac{1}{2}$	16°63'68	21°98'55	14	4°56'86	10°05'58		5254	4	7°36'05	19°44'59	3†	15°31'18	7°50'43	
5202	9	18°56'87	21°08'38	4	6°45'05	9°05'85		5255	4	10°07'55	19°38'30	4*	18°02'60	7°52'60	
5203	4	19°63'35	21°59'33					5256	9	10°38'61	19°75'78	6	18°32'65	7°90'93	
5204	6	21°95'21	21°81'97	3	9°86'54	9°62'71		5257	4	11°71'04	19°55'88	4	19°65'65	7°75'29	
5205	3	15°91'86	22°28'53					5258	8	17°08'56	19°83'47	4*	25°01'98	8°19'90	
5206	4	19°49'00	22°26'30					5259	7*	5°46'48	20°75'19	3*	13°38'01	8°74'67	
5207	30 $\frac{1}{2}$	19°63'61	22°92'43	19 $\frac{1}{2}$	7°60'85	10°84'43	70 688 9.5	5260	6	7°05'80	20°53'21	3	14°97'18	8°57'82	
5208	13	21°34'82	22°62'28	6	9°30'06	10°45'69		5261	15	8°80'29	20°50'15	11	16°72'03	8°60'16	
5209	10	22°05'20	22°48'56	9	9°99'55	10°28'62		5262	4	16°95'90	20°12'97				
5210	18	23°71'85	22°77'72	4	11°67'93	10°49'85		5263	7	4°32'88	21°35'09	5	12°21'95	9°30'98	
5211	11	15°35'63	23°51'12	5	3°36'03	11°64'16		5264	13	6°53'14	21°77'80	7	14°40'71	9°80'53	
5212	12	20°01'23	23°67'34	8	8°02'00	11°57'39		5265	33 $\frac{1}{2}$	7°58'70	21°72'51	32 $\frac{1}{2}$	15°46'60	9°78'56	70 693 8.8
5213	4	20°31'38	23°90'50	3*	8°33'30	11°78'83		5266	20 $\frac{1}{2}$	10°44'27	21°43'30	18 $\frac{1}{2}$	18°33'05	9°58'47	
5214	30 $\frac{1}{2}$	22°07'93	23°03'50	15	10°05'23	10°83'54	70 689 9.5	5267	4	11°15'02	21°38'83	3	19°03'74	9°56'29	
5215	34 $\frac{1}{2}$	22°95'70	23°84'63	19	10°96'78	11°60'17		5268	15 $\frac{1}{2}$	11°89'84	21°30'86	12	19°78'76	9°50'68	70 694 9.4
5216	4*	23°14'13	23°54'38	2*	11°15'13	11°58'83		5269	7	12°10'95	21°91'95	5	19°97'95	10°12'47	
5217	7	23°24'77	23°88'60	5	11°26'00	11°62'58		5270	4	14°45'52	21°91'30	4†	22°32'42	10°19'39	
5218	8	23°80'05	23°92'55	5	11°81'45	11°63'72		5271	11	16°84'02	21°21'42	9	24°73'00	9°57'09	
5219	9	14°65'29	24°29'08	4*	2°70'09	12°45'53		5272	6†	4°23'26	22°70'36	5	12°08'03	10°65'56	
5220	27 $\frac{1}{2}$	15°35'93	24°15'12	20 $\frac{1}{2}$	3°39'77	12°27'80	71 604 9.5	5273	44 $\frac{1}{2}$	6°11'91	22°33'84	40 $\frac{1}{2}$	13°97'90	10°35'26	70 690 8.0
5221	7	19°18'31	24°50'41	3	7°23'30	12°44'33		5274	19 $\frac{1}{2}$	12°40'82	22°48'95	16	20°25'93	10°70'28	
5222	6	14°43'24	25°56'52					5275	12 $\frac{1}{2}$	13°62'53	22°46'75	8	21°47'64	10°71'82	
5223	19 $\frac{1}{2}$	15°20'17	25°22'18	8	3°29'33	13°35'57	71 602 9.5	5276	78 $\frac{1}{2}$	4°49'71	23°05'60	80 $\frac{1}{2}$	12°33'47	11°01'60	71 610 6.0
5224	20 $\frac{1}{2}$	15°25'15	25°27'58	15	3°34'77	13°40'93	71 603 9.4	5277	8†	5°06'41	23°23'77	5	12°89'40	11°21'50	
R.A. 12 <sup>h</sup> 10 <sup>m</sup> to 12 <sup>h</sup> 24 <sup>m</sup>								5278	7	5°37'06	23°20'83	5	13°20'03	11°19'96	
Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				Centre R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				5279	11	10°47'06	23°93'69	7	18°27'20	12°08'80	
Plate 2531. 1895, April 11.				Plate 4377. 1899, March 14.				5280	3†	10°84'54	23°46'00	3*	18°66'78	11°62'50	
5225	22 $\frac{1}{2}$	6°91'63	14°67'41	20	15°02'18	2°72'07		5281	25 $\frac{1}{2}$	16°12'64	23°61'63	24 $\frac{1}{2}$	23°93'98	11°94'74	71 617 9.5
5226	3	13°41'66	14°11'38					5282	18	7°82'57	24°10'29	16	15°62'69	12°16'79	
5227	18 $\frac{1}{2}$	13°48'59	14°22'91	17	21°60'12	2°48'12		5283	5	8°81'52	24°11'30	4	16°61'85	12°21'35	
5228	12	13°72'48	14°68'99	10	21°82'45	2°95'18		5284	24 $\frac{1}{2}$	12°49'43	24°32'40	33 $\frac{1}{2}$	20°28'55	12°53'84	71 613 8.3
5229	9	17°06'66	14°50'58					5285	12	13°76'10	24°40'46	8	21°54'91	12°66'26	
5230	16 $\frac{1}{2}$	7°06'01	15°79'43	14	15°12'50	3°84'23		5286	44 $\frac{1}{2}$	4°97'13	25°79'92	25 $\frac{1}{2}$	12°71'83	13°77'31	71 611 9.5
5231	6	9°86'59	15°25'32	4	17°95'03	3°39'09		5287	14	6°29'92	25°22'37	10	14°06'47	13°23'99	
								5288	10†	7°00'10	25°80'35	9	14°74'95	13°84'45	
								5289	11	13°02'40	25°53'78	6	20°77'45	13°76'97	
								5290	9	14°31'09	25°35'03	7	22°06'59	13°62'47	

## ZONE + 70°.

R.A. 12 <sup>h</sup> 24 <sup>m</sup> to 12 <sup>h</sup> 30 <sup>m</sup>								R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 12 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				Centre R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			
Plate 2531. 1895, April 11.				Plate 4440. 1899, May 4.				Plate 3995. 1898, April 30.				Plate 4440. 1899, May 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
								</							

No. 5296.  $\kappa$  Draconis.

Plates 3995, 4440. Nos. 5350, 5357, 5392, are measured also on plates 4007, 1955.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 12 <sup>h</sup> 30 <sup>m</sup> to 12 <sup>h</sup> 49 <sup>m</sup> —contd.							R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 12 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			
Plate 3995. 1898, April 30.			Plate 4440. 1899, May 4.				Plate 4007. 1898, May 18.			Plate 1955. 1894, April 6.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
5403	6	8°59'74	22°52'43	4†	12°40'94	10°37'88	5456	38§	23°19'40	14°43'64	35§	23°04'05	2°40'43
5404	4	8°9'833	22°26'47				5457	22§	23°6'360	14°51'45	12	23°48'29	2°48'02
5405	11	11°22'35	22°18'38	6	15°04'13	10°08'40	5458	4	24°39'05	14°11'50			
5406	12§	12°56'03	22°48'40	6	16°37'10	10°40'57	5459	22§	24°56'07	14°53'43			
5407	4	12°90'89	22°29'72				5460	34§	24°89'05	14°67'25	27	24°73'50	2°63'66
5408	20§	15°47'02	22°79'37	14§	19°27'70	10°76'50	5461	10	25°00'83	14°81'50			
5409	8	17°32'48	22°59'34	4*	21°13'61	10°59'44	5462	6	25°01'30	14°31'65			
5410	4	17°63'30	22°08'61				5463	37§	3°16'08	15°70'53	42§	3°00'50	3°67'59
5411	3	18°27'15	22°29'52				5464	4	3°96'03	15°67'73			
5412	15§	18°90'98	22°11'38	8	22°72'65	10°14'26	5465	8	7°32'82	15°71'64			
5413	6	19°04'82	22°49'60	3*	22°85'73	10°52'70	5466	3	7°33'42	15°71'48			
5414	25§	6°12'28	23°93'03	16§	9°91'10	11°74'24	5467	5	12°61'78	15°66'65			
5415	5	7°91'11	23°70'62				5468	9§	14°42'50	15°59'47	4*	14°26'77	3°56'24
5416	17§	8°16'15	23°23'86	9	11°96'13	11°08'50	5469	8	14°76'60	15°25'36	2*	14°60'84	3°22'02
5417	6	8°34'98	23°17'71	3*	12°15'06	11°02'90	5470	4	16°49'73	15°75'28			
5418	8	9°23'76	23°56'00	4†	13°03'08	11°42'42	5471	2†	17°62'05	15°98'46			
5419	6	11°96'75	23°12'06	4	15°76'79	11°03'33	5472	6	20°36'01	15°45'27			
5420	10	11°98'13	23°99'58	4	15°76'92	11°90'53	5473	4	21°25'11	15°97'73			
5421	24§	12°24'99	23°93'98	20§	16°03'83	11°85'51	5474	20§	22°07'90	15°85'62	9	21°92'41	3°82'47
5422	3	13°16'01	23°20'91				5475	4	22°85'88	15°83'65			
5423	4	13°41'66	23°25'74				5476	9	22°92'98	15°63'55			
5424	17	4°37'09	24°01'73	10	8°15'97	11°79'93	5477	3†	23°14'91	15°33'47			
5425	30§	6°75'35	24°75'81	21§	10°52'74	12°58'00	5478	6	25°99'90	15°39'83			
5426	7	7°17'07	24°30'37	4	10°95'32	12°13'45	5479	4	2°31'90	16°22'37			
5427	5	10°95'13	24°77'37	3*	14°72'24	12°66'59	5480	11§	4°56'73	16°13'55	4*	4°41'36	4°10'67
5428	6	11°12'03	24°27'65				5481	7	5°19'02	16°47'63			
5429	5	13°34'85	24°64'39	3*	17°12'25	12°57'61	5482	6	6°58'76	16°90'43			
5430	6	16°53'43	24°51'97	3*	20°31'23	12°50'59	5483	4	7°50'74	16°19'56			
5431	31§	16°98'10	24°27'35	26§	20°76'04	12°26'68	5484	3	8°28'96	16°95'50			
5432	5	17°24'48	24°85'78	3*	21°01'76	12°85'79	5485	6	8°57'12	16°40'41			
5433	10	21°48'03	24°45'50	4*	25°25'96	12°52'89	5486	6	10°61'79	16°15'28			
5434	9	6°87'07	25°48'35	4	10°63'33	13°30'65	5487	5	11°21'90	16°78'66			
5435	39§	15°54'38	25°96'31	35§	19°29'66	13°93'45	5488	4	11°40'58	16°21'48			
5436	15	18°33'86	25°08'35	8	22°10'54	13°10'39	5489	6	12°33'16	16°65'68			
5437	7	18°65'75	25°17'54	4*	22°42'01	13°20'10	5490	16§	13°69'72	16°20'27	10	13°54'11	4°16'89
5438	46§	20°21'35	25°30'82	40§	23°97'63	13°35'92	5491	8	14°08'00	16°26'21	4*	13°92'49	4°22'72
5439	12	21°25'28	25°78'38	5*	25°00'96	13°85'44	5492	6	14°17'88	16°92'85	43§	15°40'38	4°26'45
5440	4*	21°84'66	25°06'34	3*	25°61'01	13°14'49	5493	47§	15°55'87	16°20'65			
R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup>							5494	3	16°41'81	16°68'37			
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				5495	4	18°53'10	16°31'89	2*	22°91'19	4°66'15
Plate 4007. 1898, May 18.			Plate 1955. 1894, April 6.				5496	8	25°69'00	16°23'22			
5441	4	4°47'51	14°12'36				5497	6	2°42'73	17°92'25			
5442	15§	5°89'30	14°45'13	4	5°73'93	2°41'84	5498	23§	3°82'43	17°61'66	22	3°67'17	5°59'05
5443	44§	7°01'65	14°90'36	46§	6°86'23	2°87'09	5499	9	4°58'49	17°54'94			
5444	9	8°64'98	14°50'51				5500	6	5°01'48	17°66'10			
5445	4	8°65'82	14°39'55				5501	5	8°39'15	17°60'16			
5446	7	10°79'37	14°36'65				5502	5	9°27'54	17°85'25			
5447	44§	14°70'52	14°44'67	39§	14°55'13	2°41'43	5503	10	9°73'23	17°10'54	4	9°57'70	5°07'22
5448	6	14°76'89	14°80'61				5504	9	10°79'73	17°20'11	4*	10°64'13	5°16'76
5449	3	16°47'16	14°85'47				5505	3	12°54'74	17°82'88			
5450	8	19°28'29	14°25'97				5506	8	13°68'94	17°97'90	3*	13°53'49	5°94'72
5451	6	20°95'18	14°88'95				5507	4	14°26'12	17°79'32			
5452	6	21°09'23	14°02'05				5508	8	14°80'75	17°87'76	3†	14°65'26	5°84'64
5453	3	21°74'17	14°66'44				5509	12	18°43'70	17°24'40	4*	18°28'17	5°21'20
5454	8	22°66'47	14°34'75				5510	4	18°60'66	17°18'16			
5455	11	22°83'11	14°58'38				5511	7	21°28'68	17°69'54			
							5512	6	21°74'77	17°94'78			
								12	22°93'65	17°30'17			

Plates 4007, 1955. Nos. 5478, 5496, 5601, 5613, are measured also on plates 3093 and 2623.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 12 <sup>h</sup> 40 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup> —contd.															
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°									
Plate 4007. 1898, May 18.			Plate 1955. 1894, April 6.			Plate 4007. 1898, May 18.			Plate 1955. 1894, April 6.			Plate 4007. 1898, May 18.			Plate 1955. 1894, April 6.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.								
								No.																
								Mag.																
5513	15	23°9715	17°2553	3*	23°8149	5°2216	.	m.	5571	5	21°2990	21°9378	.	.	.	.	m.							
5514	7	24°9347	17°5379						5572	4	21°3573	21°1653												
5515	9	4°3396	18°2177	2*	4°1849	6°1862			5573	8	22°0103	21°6658	3*	21°8579	9°6314									
5516	42§	5°4915	18°4635	43§	5°3384	6°4340	70 719	8.9	5574	10	23°7386	21°0350	3*	23°5794	8°9987									
5517	11§	7°8346	18°5754	5*	7°6790	6°5441			5575	7	4°6385	22°7150	3*	4°4846	10°6862									
5518	11	9°2011	18°9263	2*	9°0428	6°8962			5576	6	5°3894	22°1980												
5519	4	10°0858	18°9481						5577	6	5°9498	22°8863												
5520	14	10°2743	18°0440	6	10°1197	6°0118			5578	7	6°0088	22°8253	2*	5°8534	10°7953									
5521	7	14°8728	18°5360	2*	14°7184	6°5062			5579	4	8°4743	22°8445												
5522	16§	19°6796	18°2145	6	19°5260	6°1826			5580	8	11°2523	22°9663												
5523	4	21°3735	18°0623						5581	45§	12°3661	22°1020	48§	12°2141	10°0699	70 724	8.4							
5524	6	23°5688	18°1731						5582	4	13°6408	22°7353												
5525	5	24°3977	18°3170						5583	4	13°7500	22°7410												
5526	13	3°6455	19°5014	3*	3°4934	7°4735			5584	14	19°8198	22°6365	5	19°6680	10°6033									
5527	43§	5°4920	19°7885	46§	5°3375	7°7601	70 718	8.7	5585	4	21°2259	22°8363												
5528	37§	5°7728	19°2985	40§	5°6195	7°2687	70 720	9.0	5586	18	21°9500	22°1990	5	21°7961	10°1672									
5529	20§	7°9698	19°4339	19§	7°8166	7°4022			5587	6	4°1993	23°5036	4	4°0455	11°4733									
5530	17§	9°0905	19°9793	14	8°9366	7°9488	70 723	9.5	5588	9	9°6516	23°9495	3*	9°5004	11°9172									
5531	6	9°1691	19°9453	3*	9°0129	7°9147			5589	4	10°3359	23°7295												
5532	15§	9°4569	19°2743	12	9°3034	7°2432			5590	16	10°4697	23°5675	4	10°3195	11°5364									
5533	4	10°4715	19°9953						5591	6	12°6202	23°7845	2*	12°4689	11°7517									
5534	5	11°1388	19°3009						5592	12	13°1001	23°6693	3*	12°9489	11°6377									
5535	5	12°2884	19°6433						5593	11	13°3724	23°7555	3*	13°2207	11°7238									
5536	5	15°2265	19°1851						5594	8	14°9205	23°1856												
5537	6	15°5734	19°8163						5595	4	15°5216	23°2355												
5538	6	15°8903	19°9297						5596	4	16°4554	23°4273												
5539	5	18°9560	19°4035	3*	18°7959	7°3707			5597	21§	16°8474	23°9823	11§	16°6949	11°9489	71 643	9.5							
5540	6	25°3207	19°8537						5598	4	18°9535	23°9505												
5392	4	2°2890	20°2552						5599	16	20°4267	23°2455	6	20°2740	11°2122									
5541	21§	3°0900	20°8153	9	2°9368	8°7868			5600	5	23°9320	23°3233												
5542	19§	6°4629	20°9758	14	6°3097	8°9468			5601	9	25°5613	23°7877	4*	25°4059	11°7564									
5543	23§	7°1414	20°5926	22	6°9880	8°5616	70 721	9.5	5602	16	3°8989	24°8259	5	3°7448	12°7982									
5544	4	7°3495	20°3203						5603	6	7°1978	24°3753												
5545	4	8°8012	20°7582	2*	8°6484	8°7280			5604	9	9°2986	24°1613												
5546	5	10°0605	20°4003						5605	10	10°7846	24°4026												
5547	10	10°3001	20°5458	4	10°1469	8°5149			5606	8	11°4599	24°3848	2*	11°3054	12°3546									
5548	10	13°3908	20°0410	4	13°2386	8°0095			5607	24§	11°6893	24°4234	19	11°5354	12°3916									
5549	8	13°6778	20°6270	3*	13°5231	8°5972			5608	3	12°6203	24°0258	2*	12°4704	11°9932									
5550	8	14°6402	20°0595						5609	26§	13°3240	24°9217	20	13°1728	12°8891									
5551	8	15°1198	20°9293						5610	11	13°4594	24°0650	4*	13°3082	12°0327									
5552	3	15°7072	20°3984						5611	6	13°6714	24°5848	3*	13°5199	12°5537									
5553	4	17°6543	20°8745						5612	9	20°5143	24°7975												
5554	15§	18°0373	20°4334	8	17°8828	8°4018			5613	42§	25°7044	24°3329	29	25°5544	12°3015	71 646	9.5							
5555	47§	19°6874	20°0630	48§	19°5337	8°0310	70 728	8.4	5614	6	4°3669	25°7048	4†	4°2138	13°6759									
5556	6	4°7000	21°1476	2*	4°5449	9°1172			5615	5*	5°0020	25°0416	5*	4°8489	13°0127									
5557	13	6°2378	21°6708	5	6°0849	9°6416			5616	45§	5°7502	25°0933	29§	5°6000	13°0632	71 635	9.3							
5558	13	6°6103	21°1473	4*	6°4534	9°1207			5617	5	6°8014	25°2738	3	6°6512	13°2416									
5559	12	6°6479	21°1745	4†	6°4941	9°1444			5618	6	17°3998	25°3933	2*	17°2452	13°3625									
5560	12	10°8317	21°4206	4	10°6817	9°3889			5619	6	18°6491	25°6927												
5561	4	11°1307	21°3966						5620	35§	20°3894	25°9698	24§	20°2375	13°9364	71 644	9.5							
5562	4	11°3025	21°2555						R.A. 13 <sup>h</sup> 11 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup>															
5563	5	12°9515	21°2750						Centre R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°															
5564	6	13°7527	21°6034						Plate 3093. 1896, Apr. 23. Plate 2623. 1895, May 10.															
5565	10	13°7853	21°4143	4*	13°6294	9°3812			5621	14	5°4221	14°5929	12	1°3524	2°6768	.	m.							
5566	7	14°0313	21°2260						5622	7	5°6262	14°5104												
5567	10	14°0540	21°1860	4*	13°8984	9°1507			5623	19§	6°0830	14°3807	18	2°0098	2°4560									
5568	4	16°7110	21°8478	2*	16°5569	9°8118																		
5569	43§	17°9595	21°7038	40§	17°8054	9°6698	70 727	8.8																
5570	4	18°4770	21°4755																					

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.



## ZONE + 70°.

R.A. 13 <sup>h</sup> 11 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 11 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			
Plate 3093. 1896, April 23.				Plate 2623. 1895, May 10.				Plate 3093. 1896, April 23.				Plate 2623. 1895, May 10.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
5624	10	6.4444	14.4116	9*	2.3723	2.4789		5680	4	12.3329	19.8690	4†	8.3479	7.8365	
5625	3	8.9360	14.2511					5681	4	12.3774	19.1741	4	8.3822	7.1384	
5626	4	10.3975	14.7803	3*	6.3304	2.7819		5682	20§	14.6151	19.9401	21§	10.6316	7.8667	
5627	4	11.5906	14.5640	3	7.5187	2.5423		5683	12	16.4399	19.0647	10	12.4419	6.9598	
5628	4	13.1455	14.4653	3*	9.0722	2.4177		5684	4	16.8198	19.6841	3	12.8332	7.5732	
5629	7	14.4647	14.1667	7	10.3850	2.0967		5685	6	17.8078	19.9855	4	13.8254	7.8561	
5630	9	15.4515	14.5501	13	11.3777	2.4644		5686	4	18.5771	19.9051				
5631	4	15.6425	14.5248	4*	11.5696	2.4354		5687	17	21.8300	19.3405	11	17.8340	7.1443	
5632	5	16.2454	14.8082	5	12.1781	2.7060		5688	10	21.8740	19.5071	10	17.8807	7.3107	
5633	6	17.0385	14.4050	5	12.9648	2.2880		5689	18§	5.8902	20.8325	17	1.9250	8.9073	
5634	18§	20.7854	14.9010	21	16.7173	2.7245		5690	6	8.2247	20.0800	6	4.2452	8.1152	
5635	4	21.7216	14.3997					5691	16§	8.8458	20.4487	15	4.8732	8.4739	
5636	5	5.4251	15.2985					5692	5	11.7767	20.7689	5	7.8095	8.7440	
5637	4	8.9828	15.0644	3*	4.9203	3.0954		5693	17§	13.2718	20.2193	16	9.2947	8.1687	70 737 9.5
5638	56§	9.4386	15.0163					5694	4	13.6400	20.4810	4†	9.6676	8.4251	
5639	4*	11.1329	15.9320	54§	7.0818	3.9166	70 736 7.9	5695	5	15.9748	20.1102	5	11.9950	8.0150	
5640	4	12.0225	15.1648	4*	7.9593	3.1364		5696	5	20.8569	20.8745	4	16.8864	8.6954	
5641	9	13.7831	15.2711	4	9.7229	3.2148		5697	18	7.0620	21.8469	17	3.1139	9.9015	
5642	4	22.1695	15.6331	10	18.1136	3.4332		5698	6	7.5090	21.9327	4	3.5609	9.9805	
5643	5	22.4301	15.8168	4	18.3787	3.6135		5699	12	7.5516	21.0527	10	3.5872	9.1000	
5644	7	23.7700	15.0880	6*	19.7054	2.8630		5700	5	8.1022	21.0123	4*	4.1388	9.0483	
5645	9	5.1830	16.1568	5*	1.1416	4.2461		5701	19§	8.1566	21.6237	17	4.2020	9.6606	
5646	3†	13.0621	16.4362	3*	9.0212	4.3859		5702	4	9.1368	21.3344	2*	5.1798	9.3554	
5647	21§	9.2145	17.7436	23§	5.1947	5.7609		5703	4	9.5984	21.4538	4*	5.6442	9.4654	
5648	3	12.6101	17.1111					5704	4	13.5364	21.5017	3	9.5808	9.4470	
5649	6	12.6498	17.1937	7	8.6211	5.1516		5705	10	15.3394	21.9728	10	11.3901	9.8853	
5650	21§	14.4501	17.9402	25§	10.4345	5.8681	70 739 9.5	5706	18§	16.7850	21.2499	17§	12.8250	9.1386	
5651	5	18.6523	17.0498	4	14.6202	4.9101		5707	21§	17.6099	21.2331	20§	13.6493	9.1099	
5652	17§	20.6350	17.9160	17	16.6162	5.7402		5708	51§	19.2179	21.7929	60§	15.2640	9.6431	70 741 7.3
5653	4	20.8665	17.0983	4	16.8338	4.9193		5709	4	19.3364	21.1489	4	15.3750	8.9940	
5654	3†	21.9165	17.4737	2*	17.8912	5.2754		5710	9	21.2339	21.5116	9	17.2763	9.3250	
5655	4	23.3001	17.1349	3*	19.2719	4.9130		5711	6	21.7824	21.1472	4†	17.8180	8.9504	
5656	25§	6.1833	18.9025	31§	2.1842	6.9730	70 733 9.5	5712	26§	8.9915	22.6224	28§	5.0537	10.6442	70 734 9.5
5657	14§	8.0290	18.1247	15	4.0170	6.1648		5713	16§	9.0407	22.0333	15§	5.0924	10.0547	
5658	4	9.1914	18.8414	3*	5.1941	6.8570		5714	21§	9.0419	22.0404	22§	5.0960	10.0612	70 735 9.5
5659	6	9.2966	18.4598	6	5.2890	6.4763		5715	5	11.8138	22.7155	5	7.8775	10.6876	
5660	8	15.2836	18.5202	10	11.2756	6.4352		5716	4	13.6001	22.1043	3*	9.6593	10.0459	
5661	4	15.6518	18.7997	3	11.6502	6.7087		5717	26§	14.4198	22.2271	23§	10.4782	10.1561	70 738 9.5
5662	5	15.6936	18.5234	5	11.6859	6.4327		5718	11	14.7963	22.7958	9	10.8643	10.7186	
5663	4	16.7762	18.8204	3	12.7727	6.7108		5719	10	16.5424	22.9778	6	12.6135	10.8726	
5664	20§	17.7928	18.6806	21§	13.7891	6.5542	70 740 9.5	5720	4	18.8421	22.7103	4*	14.9083	10.5650	
5665	15§	17.9845	18.7822	16	13.9850	6.6515		5721	9	19.8292	22.0447	6	15.8835	9.8829	
5666	12§	18.0108	18.5072	9	14.0025	6.3774		5722	17§	19.9536	22.5118	10	16.0128	10.3469	
5667	26§	19.8359	18.7068	27§	15.8327	6.5441	70 742 9.5	5601	12	5.6612	23.6978	10	1.7414	11.7761	
5668	16§	19.9658	18.4208	15§	15.9576	6.2552		5723	8	11.0851	23.7382	6	7.1706	11.7230	
5669	15	21.0921	18.3974	14	17.0827	6.2157		5724	7	11.4590	23.9207	6	7.5469	11.8995	
5670	22§	21.3630	18.7366	25§	17.3594	6.5483		5725	10	12.3139	23.5686	10	8.3932	11.5359	
5671	4*	22.5453	18.2861	4*	18.5338	6.0819		5726	5	12.3347	23.8884	4	8.4207	11.8529	
5672	7	22.7224	18.9913	6	18.7219	6.7799		5727	15	12.8803	23.7519	13	8.9613	11.7073	
5673	10	23.2633	18.6838	7	19.2581	6.4649		5728	4*	16.3264	23.8251	4	12.4100	11.7233	
5674	5	5.1047	19.7933	4†	1.1204	7.8832		5729	4*	16.9611	23.5923	3	13.0385	11.4787	
5675	5	5.9345	19.5877	4*	1.9483	7.6606		5730	18§	18.8731	23.3134	14	14.9468	11.1669	
5676	7	6.9333	19.1620	7	2.9379	7.2207		5731	19§	20.5850	23.1023	15	16.6543	10.9278	
5677	4†	7.1114	19.6378	3*	3.1293	7.6910		5613	33§	5.8470	24.2278	28§	1.9393	12.3045	71 646 9.5
5678	9	7.6919	19.3424	6	3.7024	7.3892		5732	24	6.7928	24.0650	20§	2.8826	12.1238	
5679	21§	8.8944	19.1979	25§	4.9012	7.2183		5733	6	8.4901	24.6832	4	4.5888	12.7149	
5680	10	11.7265	19.7661	9	7.7405	7.7422		5734	4	13.1545	24.2992	4	9.2454	12.2509	
5681	5	12.0075	19.6344	5	8.0193	7.6052		5735	6	13.2457	24.7566	5	9.3444	12.7037	
5682	9	12.1714	19.2654	9	8.1767	7.2339		5736	4	13.4902	24.3703	4*	9.5847	12.3159	

1 réseau interval represents very nearly 5' = 58".5 at Dec. + 70°, and 61".4 at Dec. + 71°.

ZONE + 70°.

R.A. 13 <sup>h</sup> 11 <sup>m</sup> to 13 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 13 <sup>h</sup> 36 <sup>m</sup> to 13 <sup>h</sup> 50 <sup>m</sup>										
Centre R.A. 13 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 3093. 1896, April 23.				Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2623. 1895, May 10.					Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4014. 1898, May 22.				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1957. 1894, April 6.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
5737	15	14°3874	24°1157	12	10°4773	12°0473	°	m.	5783	14	14°9938	14°4071	17	6°6431	2°6752	°	m.		
5738	4	14°8586	24°3983	4	10°9518	12°3191			5784	10	19°4507	14°1139	6†	11°0849	2°2265				
5739	7	15°0360	24°5991	6	11°1319	12°5186			5785	4	20°1604	14°0624							
5740	7	18°1107	24°3455	5	14°2012	12°2085			5786	3	24°2524	14°1753							
5741	60§	18°3124	24°0770	70§	14°3970	11°9425	71	651	5787	34§	12°2794	15°3664	46§	3°9621	3°7259	70	755		
5742	5	19°4097	24°9002	4	15°5096	12°7466		7·2	5788	5	14°9401	15°9471	3*	6°6405	4°2171				
5743	5	21°2114	24°0155	5	17°2965	11°8282			5789	5	15°6593	15°1548							
5744				4	19°4001	12°4644			5790	11	16°5122	15°0348	11	8°1805	3°2491				
5745				5	19°9222	12°2010			5791	17	16°9383	15°1468	17	8°6091	3°3471				
5746	7	13°3786	25°8674	8	9°4971	13°8106			5792	57§	21°9400	15°8772	51§	13°6307	3°9040	70	760		
5747	12	16°1514	25°5386	11	12°2630	13°4399			5793	21§	22°2078	15°7486	19	13°8946	3°7654		8·0		
5748	4	18°9658	25°7697	4	15°0815	13°6217			5794	6	24°2602	15°5896	5*	15°9450	3°5347				
5749	6	19°3952	25°2650	5	15°5007	13°1083			5795	6	11°5496	16°6199	4*	3°2756	5°0064				
5750	69§	22°5910	25°4148	61§	18°6987	13°2050	71	654	5796	8	13°2115	16°7772	6*	4°9460	5°1062				
5751	20	23°4908	25°0258	18§	19°5937	12°8005		7·3	5797	5	21°9249	16°8489							
5752	20	16°3738	26°0083	19	12°4958	13°9045			5798	21§	10°4561	17°7431	35§	2°2204	6°1651	70	751		
5753				5	19°1330	13°9483			5799	4	11°5591	17°5641							
R.A. 13 <sup>h</sup> 30 <sup>m</sup> to 13 <sup>h</sup> 36 <sup>m</sup>									R.A. 13 <sup>h</sup> 36 <sup>m</sup> to 13 <sup>h</sup> 40 <sup>m</sup>										
Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4014. 1898, May 22.				Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2623. 1895, May 10.					Centre R.A. 13 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4014. 1898, May 22.				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1957. 1894, April 6.						
5754	19	4°1384	14°7339	25	20°4047	2°5170	70°	744	5800	4	13°8314	17°3673							
5755	5	7°4598	14°2179	3*	23°7602	2°2231		9·4	5801	7	14°9545	17°4758	6	6°7096	5°7439				
5756	3	7°5520	14°0163						5802	4	18°5601	17°3543							
5757	4†	9°1916	14°3447						5803	6	19°9013	17°2959	5	11°6465	5°3926				
5758	11	5°6736	16°9768	19	21°7857	4°8596			5804	10	20°3195	17°3146	8	12°0625	5°3975				
5759	7	8°4952	16°7352	9	24°6178	4°8080			5805	4	11°7494	18°8991							
5760	24§	9°6180	16°3549	39	25°7651	4°5026	70	749	5806	37§	11°9681	18°3833	41§	3°7559	6°7526	70	753		
5761	55§	8°1254	17°4903	66§	24°1993	5°5349	70	748	5807	27§	20°9184	18°5901	23§	12°7062	6°6498	70	759		
5762	12	4°1875	18°6197	15	20°1932	6°3976			5808	4	11°2005	19°4279							
5763	6	8°6438	18°5343	7	24°6452	6°6138			5809	9	12°2497	19°2235	6	4°0642	7°5827				
5764	23§	5°5703	19°4189	25§	21°5209	7°2899			5810	25§	13°8498	19°8444	28§	5°6879	8°1490	70	757		
5765	5	9°4250	19°0866	6	25°3857	7°2173			5811	5	14°3811	19°5702	4*	6°2095	7°8566		9·4		
5766	6	5°8976	20°8572	6	21°7482	8°7456			5812	9	21°6197	19°9531	6	13°4522	7°9900				
5767	4	9°9196	20°4350	4*	25°7880	8°5949			5813	10	11°1389	20°6733	5*	3°0070	9°0693				
5768				4	20°3420	9°7664			5814	6	15°0293	20°1534	4	6°8781	8°4146				
5769	43§	6°0902	21°1022	43§	21°9264	9°0020	70	746	5815	4	13°5295	21°0447							
5770	70§	6°4900	21°6820	78§	22°2848	9°6075	70	747	5816	12	16°3643	21°1262	10	8°2422	9°3438				
5771	11	9°9408	20°9950	11	25°7731	9°1558			5817	4	10°2984	22°9164							
5772	15	7°3413	22°7142	18	23°0647	10°6931			5818	22§	10°5585	22°0143	21	2°4741	10°4293	70	752		
5773	4	7°9219	22°7670	3	23°6393	10°7869		7·0	5819	25§	12°0267	22°2651	30§	3°9479	10°6285	70	754		
5774	12	4°4884	23°7296	11	20°1500	11°5164			5820	18	12°9975	22°7793	17	4°9357	11°1104	70	756		
5775	4*	4°5460	23°5729	4	20°2174	11°3623			5821	4	17°7993	22°3485							
5776	5*	4°9627	23°8046	8	20°6205	11°6221			5822	4	19°9741	22°3617	4*	11°8936	10°4497				
5777	3*	8°4866	23°1148	5*	24°1789	11°1728			5823	19§	21°7099	22°2908	20§	13°6249	10°3218				
5778	23	4°9269	24°6347	19	20°5244	12°4484	71	656	5824	8	10°6575	23°5395	5	2°6296	11°9472				
5779				4†	24°0776	12°9214		9·5	5825	5	10°9601	23°4575							
5780	9	8°8714	23°9738	10	24°5060	12°0550			5826	18§	13°4571	23°5810	18	5°4234	11°8968	71	662		
5781	18	6°3206	25°1080	16	21°8851	13°0158			5827	16	17°9381	23°3465	11	9°8922	11°5082		9·5		
5782	11	6°7824	25°1331	14	22°3438	13°0709			5828	25§	12°7549	24°2149	26§	4°7419	12°5529	71	661		
									R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup>										
Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 4018. 1898, June 6.				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1957. 1894, April 6.															
5832	10	5°2793	14°0423						5833	9	5°8915	14°1171							
5833	9	5°8915	14°1171						5834	58§	6°3809	14°5329	54§	18°6223	2°5993	70	761		
5834	58§	6°3809	14°5329						5835	4	11°6009	14°6053					8·0		

1 *réseau* interval represents very nearly  $5^{\circ} = 58^{\text{s}}.5$  of R.A. at Dec.  $+70^{\circ}$ , and  $61^{\text{s}}.4$  at Dec.  $+71^{\circ}$ .



## ZONE + 70°.

R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 50 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			
Plate 4018. 1898, June 6.				Plate 1957. 1894, April 6.				Plate 4018. 1898, June 6.				Plate 1957. 1894, April 6.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 14 <sup>h</sup> 0 <sup>m</sup> to 14 <sup>h</sup> 10 <sup>m</sup> — <i>contd.</i>								R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 4018. 1898, June 6.				Centre R.A. 14 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 1137. 1893, May 18.				Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2050. 1894, May 20.				Centre R.A. 14 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 1137. 1893, May 18.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D. No. Mag.		
5948	7	19°1387	18°2692	8	6°9945	6°2455	°	m.	6001	17	14°1925	15°7943	25	22°3880	3°8851	°	m.
5949	11	15°5506	19°8410	15	3°4930	7°9960			6002	6	16°6930	14°9590					
5950	8	16°3874	19°2709	6	4°3005	7°3836			6003	7	8°0630	16°2673	9	16°2469	4°1412		
5951	6	18°0010	19°3936	8	5°9202	7°4261			6004	4	8°4666	16°5773	4	16°6390	4°4700		
5952	5	20°0830	19°0058	5	7°9778	6°9275			6005	7	10°2263	16°4219	7	18°4036	4°3770		
5953	6	20°1432	19°8574	4†	8°0825	7°7785			6006	8	12°8775	16°6085	12	21°0493	4°6550		
5954	34§	21°2701	19°0612	32§	9°1659	6°9275	70 773	9.3	6007	7	13°3701	16°5191	7†	21°5424	4°5824		
5955	13	22°2075	19°2422	10	10°1117	7°0577			6008	18	13°6737	16°2018	26	21°8560	4°2740		
5956	17§	14°2898	20°0323	26§	2°2434	8°2535			6009	11	16°8282	16°7880	8	24°9900	4°9720		
5957	50§	15°7036	20°0568	49§	3°6606	8°2050	70 770	8.0	6010	5†	4°1008	17°9888	7	12°2260	5°7273		
5958	8	17°9125	20°0295	10	5°8639	8°0640			6011	20	4°7706	17°7823	20§	12°9018	5°5423		
5959	7	19°8789	20°5758	9	7°8534	8°5079			6012	5	5°6808	17°4706	8	13°8230	5°2635		
5960	7	19°8792	20°3465	6	7°8406	8°2796			6013	5	7°1990	17°8592	6	15°3272	5°7047		
5961	8	22°2132	20°5720	6	10°1843	8°3845			6014	5	10°7061	17°7197	7	18°8365	5°6880		
5962	4*	22°2412	20°0851	4	10°1893	7°8969			6015	5	12°6969	17°9353	4*	20°8174	5°9741		
5963	58§	23°1012	20°5658	55§	11°0705	8°3365	70 776	7.9	6016	23§	14°3021	17°4848	30§	22°4390	5°5766		
5964	6	16°1993	21°8052	6	4°2413	9°9276			6017	4	16°7613	17°6844					
5965	23§	17°1382	21°9238	22§	5°1856	9°9943			6018	8	6°9228	18°3376	9	15°0343	6°1740		
5966	5	17°4078	21°6052	5	5°4388	9°6633			6019	13	7°6329	18°9685	17	15°7210	6°8298		
5967	10	20°7377	21°8055	10	8°7737	9°6934			6020	5	9°4634	18°1017	7	17°5823	6°0285		
5968	28§	23°5333	21°4366	23§	11°5480	9°1850			6021	4*	10°8729	18°2502	4	18°9855	6°2241		
5969	5	17°0818	22°4381	4	5°1566	10°5126			6022	5	16°2450	18°3159	6*	24°3498	6°4798		
5970	6	17°2609	22°9383	5	5°3613	11°0038			6023				4†	12°7220	7°3283		
5971	5	18°0375	22°6923	5	6°1238	10°7170			6024	8	7°4152	19°6128	8	15°4791	7°4646		
5972	5	18°4927	22°8562	6	6°5868	10°8582			6025	4†	9°8591	19°9423	5	17°9135	7°8764		
5973	27§	18°6793	22°8758	25§	6°7733	10°8660			6026	7	12°3873	19°2514	7	20°4651	7°2774		
5974	26§	19°6788	22°4633	26§	7°7512	10°4021	70 772	9.5	6027	4†	12°8797	19°0025	4*	20°9650	7°0496		
5975	27	19°7358	22°4537	24§	7°8093	10°3909			6028	18	13°9666	19°8733	22§	22°0200	7°9578		
5976	8	20°2760	22°0953	7	8°3273	10°0055			6029	14	14°7828	19°3220	20	22°8557	7°4328		
5977	13	21°0700	22°1656	10	9°1256	10°0355			6030	21§	6°4065	20°2689	21§	14°4529	8°0850		
5978	63§	14°0903	23°7845	64§	2°2362	12°0070	71 674	7.7	6031	29§	7°5930	20°4858	33§	15°6276	8°3423	70 779	9.5
5979	52§	15°4317	23°1855	53§	3°5491	11°3431	70 769	7.3	6032	3*	7°6989	20°1671	3	15°7446	8°0283		
5980	24§	17°9908	23°0765	24§	6°0994	11°1053			6033	18	8°9333	20°7616	21§	16°9580	8°6665		
5981	34§	21°1343	23°6095	30§	9°2626	11°4753			6034	4*	11°2730	20°6658	4	19°2993	8°6530		
5982				4	10°7447	11°0188			6035	6	11°3015	20°4878	7	19°3347	8°4748		
5983	22§	14°8518	24°4724	21§	3°0342	12°6563			6036	6	11°6033	20°2496	8	19°6469	8°2482		
5984	26§	17°3604	24°3699	27§	5°5334	12°4269	71 676	9.5	6037	21§	14°8973	20°5930	26§	22°9233	8°7077		
5985	18	18°0498	24°1045	15§	6°2086	12°1255			6038	6	15°8401	20°7627	7	23°8622	8°9108		
5986	27§	19°2105	24°7061	25§	7°3989	12°6691			6039	26§	16°7996	20°5715	37§	24°8265	8°7541	70 784	9.5
5987	10	19°5549	24°4377	8	7°7290	12°3814			6040	8	4°9343	21°3685	10	12°9404	9°1340		
5988	14	19°7410	24°8766	12	7°9358	12°8113			6041	6	6°8377	21°2005	6	14°8495	9°0300		
5989	5*	22°1320	24°0911	4†	10°2845	11°9017			6042	5*	12°4969	21°7445	5*	20°4857	9°7726		
5990	8	22°9203	24°1329	5	11°0735	11°9060			6043				5	14°5207	10°5562		
5991	65§	23°7175	24°3409	49§	11°8780	12°0710	71 682	8.5	6044	5	7°9625	22°9818	6	15°9120	10°8507		
5992	11	15°9213	25°2640	11	4°1424	13°3921			6045	8	10°6453	22°1215	9	18°6230	10°0870		
5993	6*	21°0589	25°6669	6	9°2872	13°5336			6046	24§	14°7044	22°3570	29§	22°6704	10°4624		
5994	14	21°4210	25°1311	13	9°6278	12°9793			6047	4	16°8941	21°8674	5	24°8718	10°0530		
									6048				3	15°2998	11°2959		
									6049	4*	7°8150	24°0603	4	15°7257	11°9211		
									6050				4	16°7471	11°1025		
									6051	41§	10°0590	23°8377	42§	17°9743	11°7794	71 683	9.1
									6052	16	10°5557	23°0786	18	18°4999	11°0368		
									6053	25§	11°1417	23°0353	23§	19°0852	11°0160	70 781	9.5
									6054	15	11°8436	23°7847	16	19°7611	11°7888		
									6055	37§	13°2036	23°5648	37§	21°1282	11°6160	71 684	9.3
									6056	10	17°0619	23°5458	18	24°9783	11°7348		
									6057	19	17°6627	23°4156	25	25°5867	11°6255		
									6058				9	12°9718	12°7468		
									6059				5	14°5187	12°0308		



## ZONE + 70°.

R.A. 14 <sup>h</sup> 10 <sup>m</sup> to 14 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 24 <sup>m</sup> to 14 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2050. 1894, May 20.				R.A. 14 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 1137. 1893, May 18.				Centre R.A. 14 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2050. 1894, May 20.				R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	y											

## ZONE + 70°.

R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 49 <sup>m</sup> —contd.									R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 49 <sup>m</sup> —contd.								
Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71°		
Plate 2668. 1895, June 8.			Plate 2666. 1895, June 8.			Plate 2668. 1895, June 8.			Plate 2666. 1895, June 8.			Plate 2668. 1895, June 8.			Plate 2666. 1895, June 8.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
6166	9	12.1670	16.0310	10	16.2243	4.0248			6225	7	18.6828	19.3641	6	22.6843	7.4616		
6167	4	14.2216	16.3592	5*	18.2730	4.3861			6226	4	19.0905	19.1178	4*	23.0952	7.2256		
6168	4	15.5821	16.7489	4	19.6265	4.7968			6227	8	20.8807	19.8783	9*	24.8741	8.0116		
6169	6	19.5487	16.3284	6*	23.5969	4.4420			6228	15	21.6568	19.8171	(7*)	25.6462	7.9641		
6170	19§	20.0260	16.7671	21	24.0700	4.8861			6229	4	22.4260	19.0950					
6171	4	20.0513	16.6853	4*	24.0963	4.8060			6230	5*	4.3481	20.2809	4	8.3383	8.1556		
6172	5	21.4809	16.1640						6231	10	5.1514	20.1728	9	9.1430	8.0576		
6173				4	9.8392	5.7138			6232	3	7.5410	20.6483	4	11.5259	8.5709		
6174	4	5.4749	17.1339	4	9.5161	5.0248			6233	6	8.8463	20.6075	5	12.8322	8.5501		
6175	5	5.9773	17.1038	5*	10.0183	5.0029			6234	9	9.8645	20.0485	8	13.8565	8.0070		
6176	7	7.0667	17.5268	6	11.0997	5.4395			6235	7	14.1542	20.8253	5	18.1339	8.8528		
6177	10	7.5124	17.6010	10	11.5443	5.5239			6236	14§	15.4618	20.4773	16§	19.4488	8.5257		
6178	5	7.6929	17.9828	5	11.7202	5.9089			6237	4†	15.6413	20.5509	4*	19.6259	8.5994		
6179	10	7.7933	17.1012	9*	11.8318	5.0300			6238	4*	17.0755	20.0979	4	21.0670	8.1689		
6180	11	8.3210	17.2632	11	12.3574	5.1982			6239	19	4.9593	21.4134	14	8.9288	9.2952		
6181	23§	9.2018	17.7323	24§	13.2311	5.6823			6240	12	5.9543	21.4405	10	9.9252	9.3376		
6182	4	10.5179	17.8750	4	14.5443	5.8458			6241	10	6.7633	21.7679	6	10.7300	9.6759		
6183	19§	10.6097	17.7240	20§	14.6374	5.6947			6242				3	10.9163	9.6708		
6184	16	11.2989	17.5075	14	15.3310	5.4886			6243	3*	7.0667	21.4956	4	11.0393	9.4107		
6185	9	11.5903	17.4767	11	15.6241	5.4619			6244	22§	7.6406	21.7546	19§	11.6075	9.6794		
6186	15	11.6032	17.7158	17	15.6310	5.7018			6245	24§	7.7521	21.6699	21§	11.7182	9.5948	70 795	9.4
6187	56§	12.6672	17.1253	45§	16.7068	5.1284	70 799	8.4	6246	7	9.4113	21.3157	6	13.3838	9.2672		
6188	8	13.3434	17.4074	10	17.3786	5.4194			6247	6	9.9768	21.7569	5	13.9420	9.7188		
6189	9	13.3510	17.4222	12	17.3843	5.4350			6248	20§	12.4582	21.3981	15	16.4294	9.3983		
6190	4	14.5907	17.7162	5	18.6230	5.7486			6249	9	15.4198	21.4793	9	19.3881	9.5257		
6191	10	17.0360	17.2104	11	21.0731	5.2853			6250	34§	17.2792	21.7353	30§	21.2443	9.8095	70 805	9.2
6192	52§	17.5019	17.0738	50§	21.5432	5.1533	70 806	8.4	6251	24§	19.5038	21.1283	27§	23.4789	9.2402		
6193	5	17.5624	17.9768	6	21.5872	6.0603			6252	18	22.6235	21.5661	19	26.5895	9.7258		
6194	4	18.5133	17.4072	5*	22.5463	5.4990			6253	60§	4.4307	22.3877	60§	8.3888	10.2585	70 792	8.0
6195	6	4.8283	18.6855	6	8.8444	6.5666			6254	5*	7.5071	22.5504	4	11.4628	10.4738		
6196	8	4.8345	18.6934	8	8.8494	6.5748			6255	23§	8.6093	22.0570	20§	12.5707	9.9978		
6197	17	6.9860	18.9265	13	10.9968	6.8416			6256	11	9.9304	22.3774	7	13.8857	10.3381		
6198	8	7.4882	18.7233	8	11.5024	6.6462			6257	10	10.4079	22.0140	8	14.3683	9.9808		
6199	6	7.9920	18.3082	6	12.0110	6.2399			6258	11	11.3476	22.9461	10	15.2935	10.9285		
6200	27§	8.3059	18.7323	24§	12.3176	6.6661			6259	5	13.1682	22.2298	4*	17.1268	10.2385		
6201	4	8.6610	18.1067	4*	12.6835	6.0475			6260	3*	13.5650	22.5321	4	17.5198	10.5512		
6202	6	10.3201	18.6967	6	14.3330	6.6633			6261	30§	15.5624	22.5528	28§	19.5163	10.6010	70 802	9.4
6203	5	10.5979	18.8129	4	14.6085	6.7829			6262	4	21.7125	22.5617	9*	25.6634	10.7053		
6204	4	10.7048	18.7059	4	14.7165	6.6787			6263	8	22.6890	22.5648	9*	26.6378	10.7232		
6205	6	13.2103	18.0551	5	17.2339	6.0683			6264	4	7.3335	23.8850	4	11.2683	11.8047		
6206	7	13.8957	18.5093	6	17.9125	6.5309			6265	21	7.3730	23.1552	18§	11.3175	11.0753	70 794	9.5
6207	4	14.2340	18.2269	6	18.2560	6.2548			6266	4	8.6480	23.5265	4	12.5846	11.4656		
6208	6	18.1331	18.3107	6	22.1524	6.3991			6267	20§	9.2424	23.8982	20§	13.1748	11.8483		
6209	6	19.3269	18.1041	6	23.3480	6.2155			6268	7	9.3954	23.8768	5	13.3298	11.8273		
6210	34§	21.3167	18.7864	47§	25.3299	6.9246	70 808	8.8	6269	8	9.8012	23.8165	6	13.7333	11.7750		
6211	5	22.3784	18.6866						6270	5†	10.4209	23.6424	3	14.3603	11.6087		
6212	17	22.3821	18.8233	17	26.3910	6.9815			6271	29§	10.4621	23.1597	26§	14.4083	11.1258	70 797	9.5
6213	34§	22.7568	18.5194	56§	26.7710	6.6807	70 809	9.3	6272	9	10.4891	23.5836	7	14.4268	11.5497		
6214	6	22.9675	18.0469						6273	5	11.5263	23.7207	5	15.4626	11.7044		
6215	11	5.6144	19.9415	10	9.6098	7.8332			6274	10	11.6955	23.2161	9	15.6387	11.2047		
6216	4	6.5239	19.4319	6	10.5275	7.3379			6275	7	15.3719	23.6002	6	19.3109	11.6444		
6217	4	8.6553	19.2514	6	12.6594	7.1906			6276	4*	15.4660	23.3111	4	19.4070	11.3589		
6218	4	11.0940	19.6493	6	15.0931	7.6277			6277	34§	17.1667	23.9468	31§	21.0970	12.0198	71 696	9.2
6219	9	12.3243	19.4875	10	16.3275	7.4852			6278	4	17.8642	23.7034	4	21.7973	11.7864		
6220	24§	12.4831	19.0794	25§	16.4928	7.0795	70 798	9.5	6279	6	19.6349	23.5834	7	23.5725	11.6972		
6221	19§	12.6409	19.0878	19§	16.6496	7.0896			6280	6	20.4530	23.4957	7†	24.3888	11.6227		
6222	22§	14.5036	19.6877	21§	18.5030	7.7225			6281	19	21.1083	23.8032	20	25.0365	11.9415		
6223	8	17.0908	19.6418	8	21.0900	7.7142			6282				4	9.7587	12.0736		
6224	18	17.1482	19.6574	18	21.1459	7.7308			6283	16	8.2738	24.8607	12	12.1909	12.7963		

Plates 2668, 2666. Nos. 6212, 6213, 6214, 6252, 6263 and 6315 are measured also on plates 2669, 2667.  
 Plate 2666. No. 6228. The 6<sup>min</sup>. image falls on a réseau line. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 14 <sup>h</sup> 30 <sup>m</sup> to 14 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 48 <sup>m</sup> to 15 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 14 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2668. 1895, June 8.				R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 2666. 1895, June 8.				Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2669. 1895, June 8.				R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 2667. 1895, June 8.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

Plates 2669, 2667. No. 6370, 6371, 6433, 6458, 6459 are measured also on plates 1142, 1126.

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 14 <sup>h</sup> 48 <sup>m</sup> to 15 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 14 <sup>h</sup> 48 <sup>m</sup> to 15 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°			R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°		
Plate 2669. 1895, June 8.			Plate 2667. 1895, June 8.			Plate 2669. 1895, June 8.			Plate 2667. 1895, June 8.			Plate 2669. 1895, June 8.			Plate 2667. 1895, June 8.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
6393	3	10°8235	19°6200	4	10°8069	7°5745		m.	6450	4*	12°7281	23°4431	4*	12°7091	11°4021		m.
6394	46§	11°1693	19°5257	44§	11°1539	7°4799	70	817	8°6	6451	4*	15°2464	23°6496	4	15°2242	11°6089	
6395	7	12°7535	19°6583	6	12°7376	7°6150			6452	8	15°3338	23°3052	6	15°3134	11°2665		
6396	28§	16°2960	19°2106	25§	16°2811	7°1728	70	820	9°5	6453	7	15°9072	23°0500	5	15°8890	11°0130	
6397	7	16°6840	19°3135	6	16°6694	7°2768			6454	6	19°2753	23°5546	7	19°2540	11°5218		
6398	4	16°8649	19°9133	4	16°8484	7°8768			6455	3*	19°6027	23°8386	3*	19°5807	11°8053		
6399	10	18°6460	19°5434	12	18°6311	7°5128			6456	46§	20°4236	23°9643	42§	20°3995	11°9380	70	823
6400	3*	21°3802	19°1906	4	21°3653	7°1628			6457	4	2°60252	23°6280	5	22°5833	11°6019		8°5
6401	13	23°7920	19°9197	12	23°7737	7°8947			6458	6	24°7334	24°0070	8	24°7106	11°9828		
6402	12	6°6173	21°0030	10	6°6003	8°9540			6459				7	25°1445	11°4936		
6403	5	7°9528	20°8654	4	7°9363	8°8164			6460	42§	3°6852	24°3268	24§	3°6628	12°2694		
6404	24§	7°9870	20°0607	23§	7°9715	8°0110			6461	14	5°3021	24°7092	15§	5°2786	12°6583		
6405	44§	8°3662	20°5048	42§	8°3500	8°4558	70	816	9°0	6462	14	5°7551	24°7216	16	5°7301	12°6723	
6406	3*	10°8014	20°9731	3	10°7848	8°9288			6463	19	7°1280	24°6739	16	7°1037	12°6228		
6407	5	12°5242	20°3502	4	12°5069	8°3119			6464	4	8°2612	24°7034	4	8°2407	12°6533		
6408	4†	16°2251	20°7305	5	16°2053	8°6930			6465	40§	8°5774	24°3248	34§	8°5573	12°2736	71	703
6409	20§	17°7702	20°5509	20§	17°7530	8°5165			6466	4	8°6638	24°3967	4	8°6412	12°3490		9°2
6410	4	17°7812	20°9623	4	17°7645	8°9275			6467	8	9°0784	24°1684	7	9°0545	12°1230		
6411	4	17°9133	20°9790	4	17°8970	8°9453			6468	14	10°3764	24°6770	11	10°3537	12°6339		
6412	15	18°7380	20°2272	13	18°7209	8°1937			6469	13	13°2419	24°9212	11	13°2189	12°8808		
6413	7	18°8157	20°8695	6	18°7985	8°8373			6470	3†	15°4766	24°1101	4	15°4534	12°0700		
6414	64§	22°0665	20°4197	63§	22°0503	8°3921	70	826	8°1	6471			4	16°0716	12°3197		
6415	2*	22°8514	20°6713	3*	22°8332	8°6472			6472	6	16°8449	24°4351	6	16°8224	12°3993		
6416	4*	23°4334	20°2778	4*	23°4178	8°2569			6473	8	17°1022	24°5817	7	17°0793	12°5466		
6252	16	2°7334	21°6800	14	2°7139	9°6240			6474	34§	21°0010	24°1676	26§	20°9770	12°1393		
6417	36§	3°5019	21°9650	26§	3°4829	9°9123	70	810	9°4	6475	9	21°6941	24°3912	9	21°6688	12°3638	
6418	4*	4°1020	21°4929	4	4°0876	9°4385			6476	10	21°7131	24°7600	10	21°6892	12°7312		
6419	38§	4°1676	21°1568	29§	4°1488	9°1006	70	811	9°0	6315	30	2°5640	25°4735	23§	2°5404	13°4175	
6420	9	8°1400	21°9485	8	8°1198	9°8993			6477	10	4°5137	25°7543	12	4°4861	13°7003		
6421	6	8°3829	21°1505	6	8°3660	9°1026			6478	26	5°3014	25°5174	21§	5°2747	13°4661		
6422	15	10°8840	21°1399	12	10°8664	9°0932			6479	21	7°2496	25°2132	18§	7°2242	13°1609		
6423	4	13°0897	21°1800	4	13°0715	9°1375			6480				4	8°4010	13°9568		
6424	8	14°2392	21°5020	7	14°2222	9°4628			6481	2*	13°0744	25°9107	4	13°0510	13°8710		
6425	5	16°5155	21°8652	4	16°4984	9°8314			6482	6	13°2530	25°4540	5	13°2284	13°4139		
6426	14	17°3181	21°8909	13	17°2991	9°8564			6483	4*	13°8964	25°1478	4*	13°8711	13°1067		
6427	9	17°7474	21°0815	7	17°7308	9°0478			6484	18§	14°2621	25°1334	17§	14°2382	13°0958		
6428	4	19°0680	21°2415	4*	19°0496	9°2098			6485	33§	15°2970	25°9848	24§	15°2710	13°9478	71	708
6429	4	19°7036	21°5898	6	19°6849	9°5609			6486				4	15°6903	13°5959		9°3
6430	12	20°5152	21°6414	11	20°4974	9°6125			6487	8	17°0860	25°9187	9	17°0622	13°8873		
6431	4*	21°3729	21°9316	4	21°3566	9°9055			6488	26	19°6454	25°9683	22§	19°6198	13°9395	71	712
6432	18	22°5655	21°8750	19	22°5453	9°8492			6489	10	19°7827	25°4721	13	19°7588	13°4435		9°4
6433	32§	24°9462	21°8408	29§	24°9250	9°8184			R.A. 15 <sup>h</sup> 11 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> .								
6263	5	2°8803	22°6727	7	2°8621	10°6145			Centre R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			Centre R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°		
6434	25	6°1122	22°7715	19§	6°0909	10°7214			Plate 1142. 1893, May 22.			Plate 1126. 1893, May 14.			Plate 1142. 1893, May 22.		
6435	6	7°9390	22°2046	6	7°9210	10°1557			6490	4	7°6768	14°5533					m.
6436	6	12°6995	22°4311	6	12°6807	10°3882			6491	4	7°9252	14°1177					
6437	6	13°9728	22°8821	6	13°9510	10°8434			6492	5	8°9555	14°8467	4*	4°8262	2°9193		
6438	31§	15°4443	22°0451	28§	15°4271	10°0070			6493	23	10°1149	14°0445	27	5°9650	2°0924		
6439	5	15°5426	22°2267	6	15°5232	10°1879			6494	10	10°6198	14°7894	10†	6°4861	2°8268		
6440	7	19°7039	22°2727	10	19°6839	10°2432			6495	6	15°8260	14°5429	7	11°6871	2°4756		
6441	7	19°8837	22°8316	7	19°8620	10°7999			6496	10	23°5117	14°6530	6	19°3745	2°4277		
6442	22	21°0427	23°0080	19§	21°0210	10°9800			6497	5	5°6891	15°6474					
6443	22	21°0515	23°0377	20§	21°0293	11°0108			6498	10	12°1481	15°2194	7	8°0248	3°2260		
6444				5	3°5951	11°2197			6499	9	13°3853	15°3211	10	9°2627	3°2984		
6445	4*	4°2614	23°5716	5	4°2429	11°5195			6500	41§	14°3492	15°3716	41§	10°2278	3°3309	70	833
6446	4*	9°3514	23°9031	4	9°3284	11°8613			6501	44§	19°1446	15°4109	43§	15°0245	3°2751	70	834
6447	7	9°8255	23°2608	6	9°8053	11°2141											9°1
6448	12	11°5184	23°3364	9	11°4983	11°2933											9°0
6449	17	12°7175	23°6613	14	12°6964	11°6190											

No. 6419. B. D. 70° 811. The declination given in the B. D. appears to be about 3' too small.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 15 <sup>h</sup> 11 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 11 <sup>m</sup> to 15 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1142. 1893, May 22.				R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1126. 1893, May 14.				Centre R.A. 15 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1142. 1893, May 22.				R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1126. 1893, May 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
6502	24§	23°30'15	15°74'22	25§	19°18'57	3°52'16	° m.	6558	4	20°07'45	22°24'69	4	16°08'95	10°08'83	° m.
6503	18	6°75'46	16°25'55	22	2°65'18	4°37'20		6559	13	20°32'28	22°9'49	10	16°35'41	10°78'72	
6504	15	10°15'16	16°61'41	12	6°05'58	4°65'84		6560	23	22°01'58	22°88'15	22§	18°04'50	10°68'49	
6505	8	10°32'80	16°05'75	7	6°22'20	4°10'01		6561	44§	23°81'21	22°85'12	39§	19°83'99	10°61'95	70 836 9°0
6506	9	10°76'00	16°81'56	11	6°66'83	4°85'22		6458	9	5°00'15	23°94'17	7	1°05'63	12°09'46	
6507	6	12°80'38	16°63'60	6	8°70'76	4°62'71		6459	7	5°39'16	23°41'57	5*	1°43'73	11°55'68	
6508	11	13°21'25	16°54'54	12	9°11'47	4°52'94		6562	5	8°27'58	23°83'27	4	4°32'87	11°91'68	
6509	9	17°05'01	16°29'30	9	12°94'75	4°19'93		6563	4	8°68'30	23°07'96	4	4°72'18	11°15'53	
6510	10	17°41'69	16°44'22	11	13°31'64	4°34'03		6564	18	11°88'05	23°41'23	14	7°92'35	11°42'44	
6511	14	19°89'78	16°35'66	14	15°79'52	4°20'54		6565	4	12°66'24	23°82'84	3	8°71'43	11°82'18	
6512	10	20°69'60	16°57'98	9	16°59'85	4°41'03		6566	4	13°97'00	23°42'34	4	10°00'88	11°39'25	
6513	8	22°50'60	16°25'86	7	18°40'08	4°05'30		6567	26	14°64'34	23°87'69	25§	10°69'28	11°83'14	
6370	55§	5°29'20	17°05'20	70§	1°20'49	5°19'72	70 829 8°9	6568	13	14°96'38	23°53'67	11	11°00'45	11°48'23	
6371	26§	5°47'54	17°85'80	36§	1°40'49	6°00'15	70 830 9°5	6569	4	15°43'73	23°86'85	4	11°48'70	11°80'77	
6514	9	10°50'85	17°47'94	6	6°43'16	5°51'80		6570	21§	17°78'68	23°11'94	20	13°82'30	11°00'85	
6515	5	10°73'71	17°99'43	6	6°67'13	6°02'98		6571	4	22°73'87	23°49'83	3	18°78'15	11°28'98	
6516	4	11°02'45	17°45'41	4	6°94'78	5°48'28		6572	33§	23°85'82	23°10'85	24§	19°89'07	10°87'39	
6517	6	11°62'79	17°84'87	8	7°55'95	5°86'32		6573	10	10°10'77	24°01'20	8	6°16'41	12°05'83	
6518	7	11°78'90	17°27'96	8	7°70'72	5°29'27		6574	9	12°30'80	24°57'91	7	8°37'52	12°58'02	
6519	3	13°73'64	17°59'15	4	9°66'33	5°56'17		6575	15	15°31'72	24°96'30	16	11°39'33	12°90'40	
6520	6	16°07'68	17°86'81	6	12°00'48	5°79'02		6576	9	17°91'11	24°64'01	7	13°97'70	12°57'73	
6521	11	17°01'60	17°99'83	14	12°94'80	5°90'55		6577	3*	19°62'08	24°76'57	4	15°69'15	12°61'70	
6522	7	21°27'63	17°19'19	6	17°19'34	5°01'23		6578	16	20°61'81	24°59'30	13	16°68'39	12°42'66	
6523	5	23°86'89	17°05'71	4	19°78'06	4°82'63		6579	27	7°16'05	25°64'39	21	3°24'95	13°74'86	
6524	5	6°17'44	18°46'79					6580	4*	6°94'47	25°24'94	4	3°03'08	13°35'40	
6525	13	6°23'58	18°28'18	11	2°17'67	6°40'81		6581	4	10°71'94	25°23'33	4	6°00'04	13°26'78	
6526	3*	9°73'72	18°52'42	4	5°68'42	6°57'55		6582	16	12°16'36	25°12'70	14	8°24'08	13°12'88	
6527	19	11°46'47	18°44'78	19	7°40'80	6°46'62		6583				3†	9°72'06	13°52'27	
6528	20§	12°69'84	18°83'30	22§	8°64'79	6°82'68		6584	25§	15°01'83	25°56'11	23§	11°10'45	13°50'69	
6529	4	23°69'88	18°75'60	3	19°64'61	6°52'99		6585	24§	16°97'23	25°07'68	23§	13°04'65	12°98'23	71 727 9°5
6530	18	9°68'50	19°15'20	19§	5°63'89	7°20'70		6586	4	17°46'52	25°24'97	4	13°54'27	13°14'54	
6531	4	10°92'50	19°65'76	4*	6°89'07	7°68'63		6587	17	19°91'92	25°17'46	16	15°99'68	13°02'05	
6532	4	12°12'50	19°86'19	4	8°09'40	7°87'16		6588	5	21°15'65	25°24'00	7	17°23'13	13°06'16	
6533	17	12°89'47	19°26'81	17	8°85'29	7°26'01		6589	54§	22°11'11	25°96'50	38§	18°20'11	13°76'67	71 732 9°1
6534	13	15°79'70	19°15'95	12	11°75'25	7°08'88		6590	5	23°44'07	25°22'18	6	19°51'58	12°99'73	
6535	15	18°31'28	19°09'21	14	14°26'63	6°97'45		6591	7*	22°65'15	26°10'14	6	18°74'19	13°88'95	
6536	4	18°32'74	19°00'20	3	14°27'88	6°88'28		R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 36 <sup>m</sup>							
6537	10	20°03'38	19°98'38	8	16°00'35	7°82'80		Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°							
6538	12	21°42'63	19°86'65	11	17°39'53	7°68'25		Plate 1134. 1893, May 17. Plate 1126. 1893, May 14.							
6539	23§	6°59'68	20°85'53	24	2°58'80	8°97'48		6592	6	3°78'19	14°63'82	6*	20°13'58	2°36'33	° m.
6540	10	9°54'79	20°40'62	9	5°52'95	8°46'37		6593	4	8°54'84	14°32'60				
6541	4	17°69'09	20°01'30	4	13°66'45	7°90'68		6594	6	7°42'60	15°00'58	6*	23°75'09	2°94'98	
6542	6	18°29'06	20°57'37	5	14°27'39	8°45'13		6595	19	4°04'88	15°28'07	22	20°36'49	3°01'60	
6543	18	19°34'89	20°69'60	18	15°33'47	8°55'32		6596	10	4°91'50	15°78'46	11	21°19'88	3°57'36	
6544	20	23°26'95	20°60'06	19	19°25'20	8°37'91		6597	14	5°92'63	15°67'11	14	22°21'65	3°52'19	
6433	25§	5°03'00	21°76'83	30	1°04'08	9°91'80		6598	5	5°30'60	16°94'42	7	21°51'98	4°75'41	
6545	4	17°31'29	21°07'18	4	13°30'91	8°97'18		6599	12	5°55'04	17°14'09	12	21°74'73	4°96'63	
6546	6	19°72'06	21°42'29	6	15°72'23	9°27'43		6600	6	6°33'23	16°77'40	7	22°55'30	4°64'93	
6547	46§	20°69'32	21°35'53	47§	16°69'07	9°18'56	70 835 8°8	6601	7	9°74'85	16°73'34	5*	25°97'23	4°81'38	
6548	17	20°79'47	21°83'36	17	16°80'28	9°66'12		6602	6	6°01'88	17°61'00	5	22°18'73	5°46'46	
6549	11	6°42'88	22°56'05	8	2°45'63	10°68'39		6603	10	6°83'43	17°40'31	9†	23°01'76	5°31'25	
6550	31§	8°74'18	22°50'87	31§	4°76'77	10°58'49	70 832 9°5	6604	6	4°05'80	18°75'61	6	20°15'89	6°48'70	
6551	4	9°68'35	22°09'95	4	5°70'24	10°15'30		6605	10	4°71'28	19°12'83	10	20°78'85	6°89'75	
6552	3	11°43'53	22°34'78	3*	7°46'13	10°36'66		6606	26§	7°45'88	18°58'24	30§	23°56'64	6°52'03	
6553	20	11°43'75	22°13'30	20	7°45'63	10°14'96		6607	15§	8°85'87	18°78'61	20	24°94'85	6°81'12	
6554	17	11°65'76	22°92'70	13	7°69'02	10°94'08		6608	32§	8°87'93	18°11'94	47§	25°01'25	6°14'88	70 838 9°5
6555	8	12°78'56	22°08'68	7	8°80'10	10°07'86									
6556	7	14°30'09	22°05'73	6	10°31'49	10°01'90									
6557	10	16°22'72	22°98'50	10	12°25'95	10°90'60									

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 15 <sup>h</sup> 30 <sup>m</sup> to 15 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 50 <sup>m</sup> —contd.									
Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				Centre R.A. 15 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°					
Plate 1134. 1893, May 17.				Plate 1126. 1893, May 14.				Plate 1134. 1893, May 17.				Plate 4985. 1900, May 28.					
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		
No.							Mag.	No.							Mag.		
6609	31§	4°2402	19°3989	32§	20°3033	7°1389	70° 837	m.	6661	26§	22°5084	18°5693	23§	14°5715	6°4484	70° 847	m.
6610	9	4°4783	19°9252	8	20°5088	7°6766		9°0	6662	5	10°0123	19°3073	5†	2°1036	7°5524		9°4
6611	4*	4°5352	19°2664	4	20°6030	7°0243			6663	5	11°2102	19°3024	5	3°3007	7°5143		
6612	18§	7°7191	19°4458	23	23°7726	7°3989			6664	5	13°3687	19°2414	5	5°4585	7°3877		
6613	4	4°8427	20°8790	4	20°8123	8°6500			6665	9	16°3556	19°2741	9	8°4425	7°3313		
6614	18	5°8435	20°6944	20	21°8225	8°5311			6666	4	19°0250	19°7316	4	11°1252	7°7106		
6615	5	8°9627	20°2433						6667	5	19°2566	19°4490	6	11°3497	7°4210		
6616	3*	4°7646	21°1334	5	20°7154	8°9001			6668	15	20°3420	19°4572	16	12°4329	7°3981		
6617	8	8°6952	21°9660	9	24°5900	9°9768			6669	27§	23°2157	19°3804	23§	15°3020	7°2365	70° 849	9°4
6618	8	6°6108	22°9002	10	22°4502	10°7794			6670	21§	23°4636	19°2505	20§	15°5492	7°0981	70° 850	9°5
6619	6	7°9250	22°0953	7	23°8138	10°0578			6671	12	12°2509	20°8178	14	4°3884	8°9978		
6620	22§	9°0909	22°5454	27§	24°9483	10°5778			6672	12	16°4348	20°0828	13§	8°5479	8°1371		
6621	15.	4°4907	24°2149	20§	20°2573	11°9603			6673	15	17°8034	20°7780	14	9°9370	8°7927		
6622	17	4°9103	23°9808	20§	20°6852	11°7531			6674	5	18°5328	20°8822	5	10°6661	8°8744		
6623				4	21°0740	11°3568			6675	14	18°8908	20°8494	12	11°0333	8°8324		
6624	5	5°8637	23°7257	5	21°6469	11°5604			6676	24§	10°0155	21°4990	28§	2°1726	9°7452	70° 839	9°5
6625	8	6°1359	23°9238	9	21°9113	11°7710			6677	5	11°1857	21°7845	6	3°3534	9°9955		
6626				4	23°9648	11°2222			6678	4	12°6883	21°0920	5	4°8345	9°2587		
6627	35§	9°9900	23°4161	45§	25°7913	11°5057	70° 840	9°0	6679	10	13°3231	21°7063	10	5°4840	9°8540		
6628				5	20°5029	12°6474			6680	5	13°6584	21°1844	5	5°8016	9°3224		
6629	6	5°3445	24°3998	8	21°0952	12°1989			6681	5†	14°1558	21°3288	4	6°3052	9°4513		
6630				4†	22°2322	13°6377			6682	5	16°3923	21°9538	4	8°5577	10°0090		
6631	23	7°4353	25°1974	23	23°1322	13°1223			6683	5	17°8496	21°4251	5	9°9980	9°4379		
6632	42§	7°5534	25°7322	41§	23°2168	13°6648	71° 737	9°1	6684	11	20°6793	21°7774	9	12°8385	9°7063		
6633	15	8°7712	25°3674	15	24°4544	13°3736			6685	7	20°8229	21°4491	8	12°9718	9°3760		
								6686	23§	11°5524	22°7028	25§	3°7449	10°9013	70° 841	9°5	
								6687	5	11°6830	22°6294	4	3°8740	10°8247			
								6688	20§	13°0185	22°6789	17§	5°2088	10°8329			
								6689	16	13°6581	22°0753	16§	5°8285	10°2144			
								6690	5	15°8490	22°6854	6	8°0368	10°7597			
								6691	9	16°4067	22°7136	9	8°5952	10°7694			
								6692	15§	17°1834	22°6809	14	9°3718	10°7133			
								6693	15§	17°4771	22°9013	13	9°6728	10°9260			
								6694	13	17°8082	22°9581	9	10°0050	10°9748			
								6695	24§	20°1432	22°2070	25§	12°3129	10°1543	70° 845	9°4	
								6696	62§	20°9368	22°2305	68§	13°1074	10°1515	70° 846	7°5	
								6697	13	22°3704	22°3562	8	14°5472	10°2359			
								6698				4	14°9550	10°8410			
								6699	4	10°1753	23°6341	5	2°3978	11°8736			
								6700	5	11°9463	23°0893	6	4°1492	11°2795			
								6701	5	15°3807	23°2731	5	7°5874	11°3596			
								6702	5*	16°1494	23°6585	4	8°3654	11°7206			
								6703	9	18°6744	23°7865	7	10°8924	11°7737			
								6704	15	18°8002	23°0345	9	10°9960	11°0203			
								6705	5	11°6297	24°4974	4	3°8748	12°6930			
								6706	27§	15°7243	24°1295	28§	7°9577	12°2057	70° 843	9°5	
								6707	30§	19°7833	24°1255	25§	12°0148	12°0828	70° 844	8°8	
								6708	5*	21°1753	24°9402	4	13°4288	12°8538			
								6709	33§	12°6482	25°4354	29§	4°9209	13°6016	71° 742	9°0	
								6710	9	13°2288	25°4393	7	5°5010	13°5889			
								6711	6	14°0785	25°6160	5	6°3564	13°7377			
								6712	11	15°7014	25°8205	10	7°9802	13°8959			
								6713	16	16°1539	25°1114	17	8°4137	13°1765			
								6714	21	18°2692	25°2207	19	10°5312	13°2221			
								6715	6	19°3130	25°7937	7	11°5928	13°7609			
								6716	6	20°3621	25°9950	7	12°6472	13°9336			
								6717	38§	21°9150	25°0233	26§	14°1694	12°9147	71° 751	9°2	
								6718	12	22°8885	25°0503	11	15°1431	12°9144			
								6719	35§	23°1519	25°1237	22§	15°4090	12°9775			

No. 6707. B. D. 70° 844. The declination given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 15 <sup>h</sup> 50 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup>								R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup>							
Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				Centre R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			
Plate 1135. 1893, May 17.				Plate 4985. 1900, May 28.				Plate 1135. 1893, May 17.				Plate 2676. 1895, June 12.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
6720	55§	12°55'87	13°9'60	80§	25°01'25	2°23'61	70° 856 8.6	6777	25§	15°03'58	14°04'25	21	2°86'22	2°25'65	70° 858 9.5
6721	13	4°15'05	14°68'18	16	16°57'82	2°48'68		6778	17	17°51'84	14°29'79	12	5°35'75	2°39'53	
6722	8	5°28'82	14°20'42	8	17°74'11	2°06'93		6779	34§	20°40'01	14°60'13	31§	8°24'56	2°55'13	70° 865 9.5
6723	5	6°24'57	14°76'47	4*	18°66'45	2°67'97		6780	9	21°88'17	14°57'41	5*	9°72'62	2°45'39	
6724	7	6°51'52	14°43'88	8*	18°95'40	2°36'71		6781	38§	22°77'14	14°52'92	40§	10°61'29	2°36'39	70° 867 9.1
6725	9	6°64'11	14°55'93	10	19°07'29	2°49'38		6782	5	15°89'68	15°68'65				
6726	19	10°46'18	14°96'90	23	22°86'90	3°10'40		6783	7	17°17'34	15°50'88	4*	5°07'12	3°61'98	
6727	9	11°51'12	14°65'30	10*	23°93'17	2°84'46		6784	12	18°10'05	15°69'47	8*	6°00'47	3°75'94	
6728	50§	13°62'20	14°25'09	83§	26°06'27	2°54'53	70° 857 9.0	6785	31§	15°72'57	16°82'78	32	3°68'64	5°00'40	70° 859 9.4
6729	6	3°68'66	15°90'24	8	16°05'10	3°68'35		6786	38§	17°08'45	16°14'25	30	5°01'08	4°25'42	70° 860 9.0
6730	5	4°50'61	15°02'03	4	16°91'73	2°84'48		6787	7	21°07'40	16°32'52	6†	9°00'32	4°24'03	
6731	7	6°57'67	15°14'22	7	18°98'08	3°07'37		6788	5	22°23'48	16°35'39	3*	10°16'98	4°21'54	
6732	4	6°62'86	15°71'03					6789	4	19°56'43	17°18'49				
6733	9	7°92'60	15°93'58	15	20°28'64	3°93'63		6790	7	20°16'85	17°41'44	4*	8°15'51	5°37'29	
6734	10	8°12'16	15°92'77	14	20°48'14	3°93'90		6791	16	23°11'20	17°71'77	8	11°10'85	5°53'29	
6735	16	11°68'85	15°73'52	24	24°05'59	3°93'38		6792	15	14°88'61	18°50'28	9	2°93'32	6°72'13	
6736	5	3°82'93	16°23'66	5	16°18'09	4°02'63		6793	20	15°10'91	18°36'69	16	3°14'68	6°57'34	
6737	12	9°06'06	16°82'02	18	21°37'08	4°87'66		6794	18	17°17'33	18°43'65	19	5°21'45	6°54'17	
6738	18	11°02'03	16°43'59	20	23°35'13	4°59'49		6795	38§	17°33'84	18°63'58	34§	5°38'87	6°73'22	70° 861 8.0
6739	7	12°34'54	17°73'17	7*	24°60'94	5°95'80		6796	12	18°68'69	18°62'13	9	6°73'61	6°65'22	
6740	5	13°84'98	17°98'05	6*	26°09'74	6°28'36		6797	7	20°45'79	18°87'60	4	8°51'34	6°81'90	
6741	9	5°64'27	18°38'53	7	17°87'85	6°26'24		6798	5	22°05'70	18°37'48	3*	10°08'68	6°23'93	
6742	22§	9°27'89	18°39'75	23§	21°50'85	6°46'38		6799	13	22°60'75	18°93'31	8	10°66'26	6°77'08	
6743	16	10°70'54	18°14'31	18	22°94'63	6°28'44		6800	18	22°77'76	18°00'23	16	10°79'20	5°83'40	
6744	10	13°11'57	18°67'79	13	25°32'31	6°94'55		6801	17	15°73'23	19°69'78	16	3°83'57	7°87'15	
6745	7	13°91'68	18°94'14	6*	26°11'39	7°24'56		6802	9	16°10'71	19°33'51	7	4°19'29	7°49'08	
6746	13	7°43'17	19°81'46	15	19°58'90	7°78'42		6803	11	17°03'40	19°00'03	9	5°10'09	7°11'46	
6747	6	4°57'97	20°90'66	7	16°68'25	8°72'64		6804	14	19°69'21	19°51'13	10	7°78'25	7°49'20	
6748	18	7°80'12	20°20'48	17	19°94'03	8°19'28		6805	8	19°70'50	19°14'92	5	7°77'65	7°12'86	
6749	38§	11°59'37	20°84'43	38§	23°69'19	9°02'83	70° 854 8.5	6806	6	20°87'26	19°77'45	4*	8°97'37	7°69'77	
6750	6	12°91'25	20°99'43					6807	4	23°74'68	19°53'33	3*	11°83'05	7°31'81	
6751	7	5°37'14	21°95'50	7	17°41'94	9°81'35		6808	20§	14°53'32	20°65'78	13	2°68'46	8°89'18	
6752	8	8°86'26	21°37'26	11	20°93'82	9°41'42		6809	10	16°13'96	20°80'52	6	4°29'75	8°96'06	
6753	10	9°06'56	21°75'86	10	21°12'08	9°81'16		6810	4	18°73'41	20°49'15				
6754	5	7°49'01	22°68'55	5	19°50'06	10°65'44		6811	88§	19°19'96	20°38'46	84§	7°33'05	8°38'54	70° 863 6.5
6755	9	8°11'04	22°82'35	9	20°10'97	10°82'43		6812	4*	19°22'71	20°39'51	4*	7°35'65	8°39'55	
6756	22§	13°30'15	22°16'90	29	25°32'89	10°44'17		6813	46§	19°35'46	20°40'14	46§	7°48'62	8°39'62	70° 864 9.0
6757	4	13°92'78	22°47'08					6814	6	21°93'65	20°00'10	4	10°04'57	7°86'84	
6758	13	6°31'45	23°59'32	13	18°27'62	11°49'73		6815	4	15°97'08	21°64'89				
6759	13	6°73'30	23°43'05	11	18°70'19	11°35'69		6816	4	17°25'48	21°86'66				
6760	29§	10°11'76	23°60'66	26§	22°07'55	11°71'03	70° 852 9.2	6817	6	17°37'46	21°17'81	4*	5°55'11	9°27'01	
6761	5	10°93'28	23°38'49	6	22°89'99	11°53'33		6818	10	18°99'60	21°69'56	5	7°19'52	9°70'70	
6762	30§	12°42'18	23°93'11	37§	24°35'79	12°15'59	70° 855 9.3	6819	35§	22°10'81	21°23'14	28§	10°27'78	9°09'18	70° 866 9.1
6763	17	12°81'40	23°05'10	19	24°79'25	11°29'51		6820	6	23°12'71	21°36'82	5	11°30'47	9°17'79	
6764	7†	4°21'48	24°52'65	9	16°12'77	12°32'33		6821	25§	18°53'30	22°59'39	22§	6°77'63	10°62'57	70° 862 9.5
6765	4*	6°83'20	24°59'97	5	18°74'00	12°53'40		6822	14	18°66'62	22°21'48	8	6°88'85	10°24'27	
6766	6	7°00'85	24°35'03	5	18°93'00	12°29'05		6823	19	23°57'82	22°41'45	8	11°80'61	10°20'02	
6767	4	9°48'38	24°54'09					6824	15	19°04'08	23°27'64	9	7°31'98	11°28'41	
6768	29§	10°25'23	24°67'94	25§	22°15'33	12°79'04	71° 759 9.1	6825	11	19°09'69	23°88'49	7	7°40'49	11°88'82	
6769	6	12°83'07	24°48'74	8	24°73'43	12°73'19		6826	4†	19°14'63	23°16'06				
6770	16	13°07'53	24°54'95	17	24°97'98	12°80'42		6827	19	14°41'85	24°17'68	14	2°74'13	12°41'20	
6771	58§	4°63'18	25°92'98	43§	16°47'26	13°74'39	71° 752 9.0	6828	13	16°98'18	24°23'15	7	5°30'39	12°33'77	
6772	20	6°82'62	25°16'58	12	18°70'56	13°09'53		6829	6	17°58'77	24°12'68	4*	5°90'64	12°20'38	
6773	42§	9°23'72	25°13'95	37§	21°11'53	13°19'64	71° 756 9.1	6830	17	17°96'80	24°62'55	10	6°31'11	12°68'21	
6774	26§	9°57'76	25°44'83	21§	21°43'95	13°52'14	71° 758 9.4	6831	28	23°14'84	24°92'62	16	11°49'99	12°73'04	
6775	13	11°58'03	25°42'21	14	23°44'03	13°60'05		6832	4	14°24'08	25°22'01	6*	2°61'93	13°46'49	
6776	17	13°17'77	25°53'66	18	25°02'95	13°79'59		6833	3*	14°24'24	25°22'52				
								6834	28§	14°33'23	25°23'54	27	2°70'99	13°46'94	71° 763 9.5

Nos. 6832, 6833. Plate 2676. Measured as one mass.

1 réseau interval represents very nearly  $5' = 58.5$  of R.A. at Dec. +70°, and  $61.4$  at Dec. +71°.

ZONE + 70°.

R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 10 <sup>m</sup> to 16 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1135. 1893, May 17.				R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2676. 1895, June 12.				Centre R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4446. 1899, May 4.				R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2676. 1895, June 12.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
6835	13	17°0933	25°8321	9	5°4980	13°9333	o	6888	5	13°9343	19°5935				o
6836	6	19°6320	25°2570				m.	6889	6	15°3335	19°5839	4*	23°5402	7°8897	.
6837	9	20°2302	25°5825	6	8°6159	13°5288		6890	5	15°9380	19°3945				
								6891	28§	15°9740	19°7766	34	24°1741	8°0998	70 876 9°5
								6892	4	17°5303	19°2543				
								6893	11	17°7756	19°9955				
								6894	23	4°0270	20°9571	18	12°1963	8°9453	
								6895	12	4°8516	20°3511	8	13°0385	8°3589	
								6896	5	11°4041	20°8271				
								6897	5	13°1312	20°7890				
								6898	4	15°0100	20°9151				
								6899	5	16°8700	20°4336				
								6900	15	5°5577	21°1166	11	13°7214	9°1472	
								6901	4	8°4791	21°2045				
								6902	4	8°7993	21°2965				
								6903	5	9°8990	21°3486				
								6904	14	10°2249	21°8555	8	18°3698	10°0160	
								6905	4	12°2903	21°0575				
								6906	5	13°0670	21°4289				
								6907	7	13°3175	21°5290	5*	21°4672	9°7765	
								6908	70§	14°0693	21°0393	63§	22°2337	9°3098	70 874 7°3
								6909	6	14°2395	21°7712	4*	22°3798	10°0465	
								6910	15	4°2236	22°1816	7	12°3588	10°1744	
								6911	16	8°5695	22°9343	10	16°6816	11°0485	
								6912	20§	13°1381	22°7930	20§	21°2535	11°0338	
								6913	6	14°5692	22°3943				
								6914	5	14°9546	22°5967				
								6915	64§	16°2229	22°5728	63§	24°3447	10°9060	70 877 7°2
								6916	18§	17°9923	22°7240	12	26°1059	11°1059	
								6917	9	7°1423	23°7838	5*	15°2325	11°8547	
								6918	15	8°7932	23°4338	7	16°8925	11°5536	
								6919	20§	11°2403	23°1721	19§	19°3447	11°3617	
								6920	9	12°0700	23°8305	4*	20°1560	12°0433	
								6921	5	15°6419	23°5026				
								6922	4	17°8900	23°2126				
								6923	9*	4°7038	24°2781	4*	12°7783	12°2822	
								6924	10	5°7308	24°6844	5	13°7948	12°7189	
								6925	41§	7°3027	24°1266	32§	15°3831	12°2045	70 869 8°1
								6926	32§	8°2400	24°0108	27§	16°3230	12°1163	70 872 9°3
								6927	21§	10°6125	24°9111	16	18°6679	13°0832	
								6928	5	12°4090	24°3014				
								6929	10	16°2100	24°7463	4*	24°2689	13°0767	
								6930	5	16°2883	24°5735				
								6931	6	17°3711	24°1623				
								6932	6	17°9128	24°4777				
								6933	6	6°2731	25°1743				
								6934	28§	6°7400	25°4385	19	14°7835	13°5004	
								6935	16	12°8674	25°6858	6*	20°9012	13°9197	
								6936	8	17°1004	25°0918				
								R.A. 16 <sup>h</sup> 24 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 4446. 1899, May 4.				R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 4481. 1899, May 25.											
6937	4	22°5115	13°9788				o	6937	4	22°5115	13°9788				m.
6938	7	19°6892	14°5668					6938	7	19°6892	14°5668				
6939	12	20°3777	14°0973					6939	12	20°3777	14°0973	9	3°8860	2°3546	
6940	14	20°6420	14°3936					6940	14	20°6420	14°3936	11	4°1701	2°6254	

1 *réseau* interval represents very nearly  $5' = 58^{\text{s}}.5$  of R. A. at Dec.  $+ 70^{\circ}$ , and  $61^{\text{s}}.4$  at Dec.  $+ 71^{\circ}$ .



## ZONE + 70°.

R.A. 16 <sup>h</sup> 24 <sup>m</sup> to 16 <sup>h</sup> 30 <sup>m</sup> —contd.							R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 49 <sup>m</sup>								
Centre		R.A. 16 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°		R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			Centre		R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				
Plate 4446. 1899, May 4.		Plate 4481. 1899, May 25.					Plate 4006. 1898, May 17.		Plate 4481. 1899, May 25.						
No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .	No.	Diam.	$\alpha$ .	$\eta$ .	Diam.	$\alpha$ .	$\eta$ .		
							B. D.								
							No.	Mag.							
							B. D.								
							No.	Mag.							
6941	4	20°9588	14°5929				6998	8	10°0878	14°7950	15	14°0103	2°6697		
6942	4	21°8887	14°7577				6999	6	11°1433	14°1712	10	15°0802	2°0638		
6943	6	22°6316	14°8530				7000	60§	11°6005	14°2364	71§	15°5328	2°1349		
6944	4	22°6373	14°6448				7001	11	14°1237	14°9953	21	18°0437	2°9356		
6945	17	24°1497	14°9346	14	7°7026	2°9153	7002	8	14°3563	14°4851	12	18°2848	2°4313		
6946	7	18°4899	15°6143				7003	3	14°7615	14°4621	4	18°6930	2°4134		
6947	4	21°6939	15°5653				7004	4	18°1055	14°5451	7*	22°0325	2°5493		
6948	20§	23°1629	15°2177	18	6°7408	3°2682	7005	4	20°2643	14°6169	5*	24°1877	2°6642		
6949	3	18°0761	16°4613				7006	8	21°3992	14°4650	11*	25°3305	2°5263		
6950	4	18°5264	16°3279				7007	9	21°4539	14°4342	10*	25°3843	2°4975		
6951	5	19°2899	16°5300	5*	2°9723	4°8539	7008	8	9°7401	15°7492	15	13°6477	3°6193		
6952	18§	19°7809	16°4575	15	3°4574	4°7483	7009	4	21°1928	15°1470					
6953	6	19°9603	16°2689				7010	3*	8°1607	17°0789	4*	12°0454	4°9248		
6954	9	22°3640	16°5824	8	6°0413	4°6890	7011	6	11°8805	16°1623	11	15°7803	4°0655		
6955	10	22°5292	16°6858	8	6°2141	4°7802	7012	33§	13°2688	16°9925	40§	17°1557	4°9185		
6956	20§	23°9608	16°2727	18	7°6112	4°2651	7013	4	13°8243	16°6675	4	17°7148	4°6054		
6957	11	19°0135	17°4401	10	2°7605	5°7826	7014	4*	13°9701	16°8160	4	17°8599	4°7555		
6958	26§	19°0911	17°3242	26§	2°8309	5°6620	7015	5	15°5258	16°3408	10	19°4244	4°3049		
6959	23§	19°9768	17°5526	22§	3°7296	5°8253	7016	8	15°9320	16°0855	15	19°8329	4°0585		
6960	18§	23°0070	17°3298	17§	6°7342	5°3881	7017	10	17°6339	16°9633	18	21°5202	4°9643		
6961	6	23°8329	17°2795	4*	7°5598	5°2782	7018	14§	18°6213	16°2988	24	22°5208	4°3174		
6962	15§	18°2338	18°9085	21	2°0837	7°3043	7019	16§	21°6684	16°4252	31	25°5651	4°4929		
6963	4	18°5110	18°3667				7020	4	22°9403	16°3644					
6964	21§	19°2824	18°8951	28	3°1331	7°2150	7021	5	4°4499	17°3847	8	8°3294	5°1643		
6965	7	19°7358	18°3454	7†	3°5463	6°6347	7022	9	5°3133	17°4236	13	9°1924	5°2174		
6966	20§	20°2698	18°5383	18	4°0908	6°7877	7023	4	5°8812	18°1938	7	9°7485	5°9980		
6967	21§	21°3537	18°9307	19§	5°2003	7°1023	7024	12	6°8603	17°7212	16	10°7344	5°5423		
6968	6	18°1395	19°7257	4*	2°0503	8°1257	7025	25§	9°2221	17°3586	30§	13°1032	5°2194		
6969	24§	18°7997	19°8547	27§	2°7203	8°2082	7026	3*	10°3896	17°5827	4	14°2870	5°4258		
6970	4	20°5387	19°5693	3†	4°4392	7°7973	7027	9	12°0443	17°5838	16	15°9200	5°4887		
6971	12	22°2855	19°5916	10	6°1788	7°6939	7028	4	13°6968	17°9035	4	17°5651	5°8369		
6972	14	22°9100	19°5828	11	6°8005	7°6424	7029	3	15°0595	17°5574	5	18°9388	5°5158		
6973	30§	23°2385	19°4875	25§	7°1207	7°5244	7030	19	16°7400	17°0471	21§	20°6254	5°0348		
6974	4	20°1220	20°8993	4†	4°1142	9°1554	7031	4	17°5757	17°4753	6	21°4539	5°4759		
6975	30§	20°3005	20°5102	31§	4°2678	8°7836	7032	4	19°7071	17°2287					
6976	7	21°0500	20°3740	6	5°0008	8°5645	7033	14	22°7762	16°9506	26	26°6640	5°0368		
6977	6	21°0990	20°8816	5	5°0870	9°0656	7034				4	8°2198	6°7952		
6978	8	22°1246	20°2120	7	6°0638	8°3248	7035	4	9°0453	18°9453	6	12°9000	6°8012		
6979	10	22°1404	20°2176	7	6°0778	8°3269	7036	16	10°1769	18°2281	21§	14°0410	6°1050		
6980	25§	20°4479	21°8139	23§	4°5048	10°0440	7037	4	11°1309	18°2253	6	14°9973	6°1168		
6981	23	20°5189	21°9770	23§	4°5876	10°2028	7038	18§	12°8307	18°7232	23§	16°6897	6°6425		
6982				3	7°5008	9°6696	7039	14	13°3260	18°5703	19	17°1860	6°4973		
6983	5	18°6297	22°0238	4	2°7040	10°3843	7040	18§	16°9283	18°4150	21	20°7907	6°4047		
6984	5	18°8090	22°4786	4†	2°9167	10°8252	7041	5	19°4159	18°6339	7	23°2752	6°6664		
6985	22	22°2190	22°2742	13	6°3032	10°3754	7042	6	19°6287	18°4059	10	23°4903	6°4416		
6986	4*	22°1459	22°0443	3†	6°3105	10°0487	7043				4	8°3301	7°7411		
6987	26§	23°9300	22°0881	18	7°9965	10°0663	7044	3*	6°0811	19°5623	4*	9°9229	7°3673		
6988	4	21°3738	23°5267	4	5°5499	11°6852	7045	7	9°0323	19°2161	8	12°8828	7°0745		
6989	5†	19°5027	24°3769	5	3°7487	12°6690	7046	4*	9°9796	19°3078	6	13°8289	7°1816		
6990	9	21°1293	24°6297	8	5°3826	12°8031	7047				4	14°2286	7°6970		
6991	5*	21°7739	24°8490	4	6°0418	12°9748	7048	5	11°3763	19°5823	9	15°2200	7°4758		
6992	15	22°7525	24°1278	12	6°9695	12°1855	7049	15§	11°4612	19°4791	18	15°3073	7°3778		
6993	10	19°3257	25°1301	9	3°6206	13°4306	7050				4	15°8502	7°1972		
6994	8	20°6796	25°1748	5	4°9755	13°3774	7051	6	13°4313	19°9048	8	17°2702	7°8343		
6995				4	6°3563	13°4833	7052	57§	15°2088	19°1379	64§	19°0595	7°0975		
6996	50§	22°0998	25°1012	34§	6°3874	13°2041	7053	3*	15°4448	19°2188	3	19°2922	7°1835		
6997				4	7°7084	13°8246	7054	3*	19°8681	19°7472	4	23°7103	7°7852		
							7055	34§	20°4966	19°3233	52§	24°3421	7°3681		
							7056	7	21°0972	19°6591	8	24°9398	7°7172		

Plates 4006, 4481. Nos. 7020, 7033, 7070, 7071, 7085, 7086 7104 and 7126 are measured also on plates 1130, 4023.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 30 <sup>m</sup> to 16 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4006. 1898, May 17.				R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 4481. 1899, May 25.				Centre R.A. 16 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 4006. 1898, May 17.				R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 4481. 1899, May 25.			
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	B. D.
							No. Mag.								No. Mag.
7057	7	4°23'95	20°32'79	8	8°06'82	8°10'58	70 893 9°0	7116	18	16°57'91	23°15'48	218	20°36'24	11°13'51	70 890 9°5
7058	14	4°43'59	20°9'645	208	8°25'75	8°74'50		7117	4*	18°84'73	23°72'93	6	22°61'97	11°74'79	
7059				4	11°23'10	8°20'48		7118	13	5°58'13	24°67'62	188	9°33'99	12°47'60	
7060				4	15°97'98	8°55'54		7119				3	12°91'80	12°48'58	
7061	7	13°18'00	20°43'50	10	17°01'00	8°35'93		7120	9	11°12'55	24°32'25	9	14°88'83	12°21'33	
7062	258	13°20'01	20°46'16	358	17°02'88	8°38'53		7121	228	12°69'13	24°22'61	248	16°45'81	12°14'41	
7063	4	13°43'56	20°34'39	5	17°26'63	8°27'38		7122	8	18°68'64	24°94'90	11	22°43'85	12°96'80	
7064	9	14°65'75	20°16'31	11	18°48'99	8°11'43		7123	8	19°90'52	24°92'68	12	23°66'02	12°96'75	
7065	4†	16°42'22	20°92'70	6	20°24'51	8°90'71		7124				5	24°47'78	12°95'32	
7066	6	16°70'00	20°76'11	7	20°52'40	8°74'51		7125	4	21°24'29	24°59'58				
7067	3*	18°01'86	20°67'88	4*	21°83'95	8°68'50	7126				6.	25°97'50	12°69'87		
7068	5	18°88'14	20°66'57	6	22°70'65	8°68'72	7127				3	10°07'95	13°21'99		
7069	4*	19°51'08	20°70'52	6*	23°32'99	8°73'58	7128	228	7°16'18	26°12'13	248	10°89'62	13°94'65		
7070	17	22°42'06	20°03'45	23	26°25'24	8°11'32	7129				4	12°47'80	13°54'32		
7071	6†	22°81'82	20°50'23	8	26°64'37	8°59'18	7130	4	12°31'33	25°53'59	6	16°05'75	13°44'75		
7072	14	5°51'88	21°64'33	148	9°32'71	9°44'06	7131	4*	14°06'25	25°76'16	5	17°80'20	13°70'42		
7073	6	6°66'34	21°99'50	6	10°46'75	9°81'42	7132	3	16°48'12	25°54'66	6	20°22'45	13°52'67		
7074	7	8°72'08	21°18'75	8	12°53'92	9°03'65	7133	12	17°35'89	25°35'91	178	21°10'37	13°35'43		
7075	228	9°76'03	21°65'51	278	13°57'07	9°52'46	7134	7	17°70'80	25°12'35	10	21°46'02	13°12'58		
7076	7	10°44'91	21°93'13	7	14°25'25	9°81'17	7135				8	22°71'29	13°46'37		
7077	12	11°25'59	21°29'82	178	15°07'17	9°19'29	70 891 7°9	R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup>							
7078	428	12°81'18	21°62'61	548	16°62'08	9°54'56		Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 1130. 1893, May 14. R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 4023. 1898, June 7.							
7079	5	13°67'09	21°70'25	6	17°48'08	9°63'61		7136	6	3°32'67	14°49'17	11	3°33'09	2°50'01	70 901 9°5
7080	4	15°10'03	21°65'66	5	18°91'00	9°61'55		7137	9	4°00'65	14°83'37	9	4°00'88	2°84'66	
7081	4*	17°51'88	21°90'48	5*	21°32'19	9°90'53		7138	9	7°13'38	14°42'32	16	7°13'58	2°45'28	
7082	6	19°27'52	21°53'93	7	23°08'62	9°57'00		7139	4	9°39'79	14°09'09	7	9°39'96	2°13'76	
7083	6	19°40'82	21°34'00	9	23°22'25	9°37'40		7140	15	11°02'18	14°75'85	218	11°02'13	2°81'38	
7084	6*	20°99'01	21°05'49	7*	24°80'65	9°11'18		7141	5	11°28'54	14°35'20	10	11°29'07	2°40'76	
7085	19	22°09'00	21°22'53	288	25°90'58	9°29'89		7142	10	11°95'48	14°23'48	238	11°96'18	2°29'55	
7086	5	22°19'52	21°34'81	6*	26°00'85	9°42'71		7143	5	12°14'12	14°71'25	12	12°14'12	2°77'33	
7087				4	8°44'81	10°34'72	7144	4*	14°01'32	14°89'90	5	14°01'08	2°97'08		
7088	9	4°66'06	22°37'60	9	8°45'74	10°16'13	7145	4*	14°87'76	14°26'61	4	14°88'45	2°34'68		
7089	5	7°19'06	22°32'17	4	10°98'88	10°14'85	7146	6	16°04'83	14°10'37	13	16°05'40	2°18'76		
7090	3*	9°16'13	22°99'53	4*	12°94'95	10°85'33	7147	12	19°62'28	14°77'61	23	19°62'37	2°88'44		
7091	3*	10°75'79	22°83'32	4	14°54'64	10°71'67	7148	188	20°23'02	14°75'87	308	20°23'04	2°87'10		
7092	4*	10°81'35	22°84'93	4	14°59'88	10°73'60	7149	198	20°40'09	14°65'84	388	20°40'43	2°77'21		
7093	14	12°10'00	22°42'28	178	15°89'60	10°33'05	7150	9	21°36'39	14°47'63	16	21°36'53	2°59'63		
7094	238	12°51'21	22°44'83	288	16°30'83	10°36'39	7151	4	22°06'93	14°07'67	6*	22°07'80	2°19'52		
7095	16	12°54'03	22°85'27	18	16°32'88	10°76'77	7152	5	22°79'11	14°54'80	8	22°79'56	2°67'75		
7096	3†	13°05'91	22°34'54	4	16°85'52	10°27'11	7153	8	3°65'61	15°59'89	11	3°65'10	3°61'05		
7097	14	13°19'23	22°15'43	178	16°99'28	10°08'05	7154	218	4°37'03	15°65'80	308	4°36'53	3°67'05		
7098	4	13°72'06	22°28'53	5	17°51'94	10°22'13	7155	5	6°11'06	15°46'83	5	6°10'75	3°49'41		
7099				3	20°40'43	10°15'93	7156	238	7°26'43	15°17'60	318	7°26'32	3°20'56		
7100	3*	18°92'70	22°48'48	4*	22°72'26	10°50'61	7157				4	8°91'88	3°84'42		
7101	4*	19°67'14	22°66'42	7	23°46'08	10°69'71	7158	7	9°19'27	15°04'13	11	9°19'34	3°08'55		
7102	468	20°73'20	22°46'21	688	24°52'58	10°51'28	7159	218	9°38'73	15°88'33	308	9°38'10	3°92'65		
7103	308	21°14'11	22°77'31	398	24°93'03	10°83'06	7160				4	11°21'00	3°77'56		
7104	17	22°09'70	22°50'01	16	25°89'01	10°57'50	7161	4	13°86'21	15°10'42	7	13°86'08	3°17'45		
7105	5*	4°70'59	23°27'37	7	8°48'53	11°05'68	7162	3*	14°54'82	15°01'61	4	14°54'20	3°09'33		
7106	12	4°80'90	23°26'43	14	8°58'98	11°05'11	7163	468	15°51'33	15°91'52	538	15°50'88	3°99'48		
7107				5	10°56'81	11°52'44	7164	5	16°09'26	15°03'73	13	16°09'52	3°12'30		
7108	7	8°02'18	24°05'95	8	11°79'05	11°89'78	7165	10	17°99'83	15°26'95	14	17°99'25	3°36'62		
7109	418	8°14'61	23°97'40	548	11°91'68	11°81'43	7166	5	18°57'27	15°07'31	8	18°57'33	3°17'50		
7110	468	8°17'92	23°47'64	628	11°95'90	11°31'76	7167	13	18°97'41	15°42'09	19	18°97'20	3°52'42		
7111	4*	8°98'06	23°75'69	5	12°75'56	11°61'50	7168	8	20°62'49	15°46'94	17	20°62'22	3°58'36		
7112	18	9°84'03	23°63'55	178	13°61'80	11°50'59									
7113	4†	12°11'43	24°04'83	6	15°88'31	11°95'80									
7114				3	18°37'85	11°09'45									
7115	45	15°58'04	23°11'51	578	19°36'28	11°08'08									



## ZONE + 70°.

R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup> —contd.										
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°							Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 70°										
Plate 1130. 1893, May 14.							Plate 1130. 1893, May 14.										
R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°							R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°										
Plate 4023. 1898, June 7.							Plate 4023. 1898, June 7.										
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .				
B. D.							B. D.										
No.							No.										
Mag.							Mag.										
7169	34§	21°9782	15°4583	50§	21°9758	3°5792	70° 911	9'4	7224	18	5°9625	20°0043	24§	5°9285	8°0268	70° 903	9'5
7170	8	22°2084	15°2847	14	22°2080	3°4097			7225	5	7°8413	20°0626	5	7°8413	8°6850		
7171	7	22°2532	14°8850	11	22°2547	3°0108			7226	6	9°8527	20°7106	13	9°8198	8°7572		
7020				5	2°5707	4°4198			7227	6	11°7071	20°0626	15	11°6741	8°1202		
7172				5	5°7026	4°9405			7228	6*	12°4651	20°0006	5	12°4495	8°0599		
7173	7	10°6317	16°0745	14	10°6233	4°1247			7229	18§	16°9768	20°2223	23§	16°9441	8°3113		
7174	4*	12°9377	16°8403	4*	12°9297	4°9123			7230	6	17°3862	20°1279	9	17°3559	8°2170		
7175	8	15°0468	16°3016	16	15°0393	4°3765			7231				5	18°5702	8°9196		
7176	10	17°7492	16°1177	18	17°7404	4°2130			7232	6	18°8634	19°9567	9	18°8312	8°0578		
7177	5	22°1234	16°5620	7	22°1120	4°6859			7233	19§	20°5010	20°3296	24§	20°4687	8°4439		
7178	12	23°0725	15°9708	18	23°0647	4°1002			7234	11	23°4112	20°4423	19	23°3765	8°5740		
7179	6	24°1413	16°1998	9	24°1355	4°3345			7235	29§	24°3776	19°9070	43§	24°3461	8°0435	70° 913	9'2
7033	16	2°4650	17°0218	24	2°4506	5°0203			7085	17	2°1408	21°3349	24§	2°1016	9°3341		
7180	43§	2°7445	17°6075	62§	2°7237	5°6100	70° 899	8'9	7086	6	2°2558	21°4492	14	2°2162	9°4487		
7181	9	4°7478	17°7042	14	4°7292	5°7197			7236				5	2°4955	9°6344		
7182				4†	5°8171	5°3954			7237				6	2°7400	9°4979		
7183	7	7°3476	17°0514	8	7°3332	5°0828			7238	13	6°0650	21°1684	21§	6°0278	9°1922		
7184	4*	7°4972	17°9336	5	7°4798	5°9650			7239	6	6°5057	21°4436	10	6°4648	9°4678		
7185	5	7°8854	17°1625	6	7°8707	5°1966			7240	4*	7°4467	21°8985	6	7°4025	9°9303		
7186	8	8°1642	17°5049	13	8°1493	5°5389			7241	23§	8°6800	21°0850	28§	8°6401	9°1250	70° 905	9'5
7187	4	9°2750	17°8975	6	9°2590	5°9415			7242	82§	9°5273	21°4088	95§	9°4868	9°4519	70° 906	7'0
7188	24§	9°3267	17°0607	30§	9°3132	5°1033			7243				4	10°3900	9°1240		
7189	12	9°8779	17°4857	18§	9°8617	5°5355			7244	4	11°7238	21°3533	7	11°6845	9°4140		
7190	11	10°8314	17°6793	17§	10°8175	5°7328			7245				4	12°2593	9°2980		
7191	4*	16°7301	17°4240	6	16°7141	5°5078			7246	4	13°8218	21°2202	6	13°7805	9°2888		
7192	4	16°8978	17°2240	9	16°8828	5°3119			7247				4	15°0297	9°8618		
7193	15	3°0975	18°3109	22§	3°0767	6°3171			7248	7	17°4719	21°5264	8	17°4321	9°6206		
7194	25§	3°6748	18°7316	32§	3°6498	6°7389	70° 900	9'4	7249	3*	19°2747	21°0966	5	19°2361	9°2025		
7195	27§	4°4578	18°4660	34§	4°4346	6°4784	70° 902	9'4	7250	7	19°6540	21°2013	10	19°6160	9°3093		
7196	15	4°8933	18°4504	19§	4°8703	6°4658			7251	12	23°4377	20°8980	20	23°4005	9°0315		
7197	4	5°9131	18°5817	6	5°8913	6°6052			7252				5†	23°8199	9°3245		
7198	19§	6°0200	18°0851	22§	5°9990	6°1077			7104	24	2°2562	22°6035	26§	2°2072	10°6044		
7199				5	6°8565	6°1648			7253	24§	5°4586	22°5617	27§	5°4089	10°5799		
7200	11	11°2501	18°5996	17§	11°2264	6°6554			7254	18§	7°1145	22°6821	24	7°0615	10°7121		
7201	12	11°3319	18°2497	20§	11°3111	6°3042			7255				5†	7°8778	10°8048		
7202	5	13°3608	18°1802	9	13°3397	6°2461			7256	21§	8°3763	22°1512	24§	8°3297	10°1918		
7203	5	13°5368	18°7207	7	13°5120	6°7862			7257	6	8°9713	22°9335	7	8°9208	10°9750		
7204	6	19°9003	17°9141	14	19°8805	6°0228			7258	6	9°2004	21°9650	7	9°1575	10°0088		
7205	12	22°1903	18°3717	19	22°1688	6°4945			7259	6	10°8323	22°4554	9	10°7866	10°5098		
7206	5	23°6684	18°6389	10	23°6426	6°7722			7260				5	11°5698	10°7973		
7207	6	23°6838	18°7662	13	23°6598	6°9021			7261	19§	14°4897	22°5503	24§	14°4400	10°6270		
7208	26§	23°9678	17°9595	48§	23°9496	6°0958	70° 912	9'0	7262				4†	17°1803	10°7671		
7209				5	3°4208	7°3544			7263	6	18°5967	22°8333	9	18°5458	10°9366		
7210	8	5°6498	19°3816	14	5°6230	7°4023			7264	13	18°9676	22°1604	18§	18°9218	10°2648		
7211	15§	8°1562	19°0930	23§	8°1299	7°1271			7265	20	21°3037	22°3008	22§	21°2582	10°4190		
7212				4	10°1110	7°6150			7266				8	3°7703	11°4950		
7213				4	10°8738	7°9370			7267	9*	4°2226	23°5855	14	4°1638	11°6009		
7214				4	14°6000	7°3912			7268				4	5°1508	11°3328		
7215				6	14°6215	7°8848			7269	14	5°3325	23°8718	17§	5°2746	11°8882		
7216	14	17°1561	19°0843	23§	17°1299	7°1750			7270	9	6°1912	23°4928	12	6°1362	11°5152		
7217				6	18°8208	7°7069			7271	5*	6°4092	23°8699	9	6°3500	11°8951		
7218	9	19°3818	19°6981	14	19°3518	7°8047			7272				4	8°5714	11°9254		
7219	52§	19°3879	19°1582	65§	19°3616	7°2645	70° 908	7'8	7273	18	10°1785	23°5114	23§	10°1257	11°5598		
7220	12	20°1693	19°7752	18§	20°1397	7°8850			7274				4†	12°1691	11°6940		
7221	9	21°0975	19°2480	17	21°0690	7°3656			7275	17§	18°2133	23°5875	24§	18°1579	11°6859		
7070	20	2°3672	20°1180	25	2°3353	8°1197			7276	6	21°7971	22°9950	12	21°7479	11°1158		
7071	5	2°8068	20°5495	14	2°7695	8°5555			7277				8	21°8644	11°5681		
7222				7	4°4255	8°9845			7278	21	25°9609	23°3899	30§	25°9030	11°5360		
7223	18	5°8592	20°1422	25§	5°8261	8°1644			7126				7	2°4955	12°7133		

Plates 1130, 4023. Nos. 7278 and 7308 are measured also on plates 2698, 2704.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°

## ZONE + 70°.

R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 11 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 1130. 1893, May 14.				R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 4023. 1898, June 7.				Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2698. 1895, June 17.				R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2704. 1895, June 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
7279				7	3'0163	12'9153	° m.	7332	12	16'2911	17'9277	8	12'2268	5'9172	° m.
7280	26§	6'4845	24'6345	29§	6'4217	12'6596		7333	30§	18'5400	17'9119	21§	14'4757	5'8634	70 927 9'0
7281				4	7'3307	12'3711		7334	6	21'6376	17'0545	5	17'5593	4'9531	
7282	19§	8'7020	24'0418	23§	8'6452	12'0835		7335	8	6'2388	18'1869	4*	2'1861	6'3431	
7283				4	9'6270	12'0506		7336	4	11'2532	18'7542	4	7'2019	6'8243	
7284	20§	10'9143	24'1730	23§	10'8573	12'2250		7337	29§	15'0405	18'2701	19§	10'9838	6'2786	70 926 9'5
7285	9	17'7768	24'6574	14§	17'7139	12'7532		7338	7	19'0562	18'2361	5	14'9968	6'1763	
7286	4	18'7117	24'0023	5	18'6508	12'1050		7339	6	20'4844	18'7446	5	16'4321	6'6595	
7287	28§	19'6053	24'0620	31§	19'5463	12'1698		7340	12	22'4185	18'6884	9	18'3668	6'5733	
7288	7	20'2988	24'6158	9	20'2388	12'7284		7341	34	23'6013	18'9913	19	19'5517	6'8550	70 931 9'1
7289				5	20'4800	12'5663		7342	7*	23'6147	18'9961	5	19'5675	6'8610	
7290	7	21'7183	24'3567	13	21'6578	12'4798		7343	32§	6'4193	19'4670	27	2'3812	7'6188	70 916 9'3
7291				6	22'5000	12'3590		7344	8	9'1364	18'8998	6	5'0886	7'0105	
7292	5*	23'3306	24'3922	11	23'2704	12'5221		7345	13	20'2092	19'3174	9	16'1672	7'2398	
7293				6	24'2904	12'9814		7346	32§	7'7132	20'2363	20§	3'6878	8'3691	70 917 8'8
7294	19	5'0375	25'1730	21§	4'9691	13'1910		7347	26§	8'3867	20'2678	20§	4'3627	8'3888	
7295				5	8'3335	13'6465		7348	7	8'5703	19'9358	4	4'5424	8'0537	
7296	4*	8'7682	25'5378	8	8'7012	13'5794		7349	6	10'9568	19'9688	5	6'9290	8'0480	
7297				3	8'8595	13'9255		7350	6	11'3657	20'4760	4	7'3460	8'5482	
7298	10	9'1917	25'8252	14§	9'1211	13'8699		7351	22§	13'6660	20'4690	14§	9'6441	8'4998	70 924 9'5
7299	3*	11'3202	25'5389	5	11'2529	13'5978		7352	21	14'4536	20'9032	13	10'4393	8'9238	
7300				5	15'1143	13'4366		7353	15	15'6261	20'0220	9	11'5972	8'0203	
7301	6	15'9297	25'1850	12	15'8618	13'2704		7354	19	17'4762	20'7484	9	13'4602	8'7164	
7302	27§	16'8904	25'6316	23§	16'8205	13'7215	71 820 9'0	7355	4	17'6042	20'4282	4*	13'5814	8'3936	
7303	43§	18'4150	25'5456	50§	18'3431	13'6460	71 823 8'2	7356	13	7'9918	21'7823	7	3'9928	9'9101	
7304				6	20'4547	13'9073		7357	8	10'8202	21'3987	7	6'8173	9'4814	
7305	45§	21'1050	24'9385	47§	21'0365	13'0561	70 910 9'1	7358	18	12'1282	21'5364	13	8'1248	9'5963	70 919 9'4
7306	9	21'5940	24'9315	15	21'5294	13'0528		7359	19	16'1983	21'9522	10	12'2003	9'9436	
7307				5	24'5610	13'3308		7360	8	18'3995	21'4183	5	14'3933	9'3703	
7308	9	25'7600	25'5556	24§	25'6893	13'7061		7361	39§	22'2876	21'8849	22§	18'2897	9'7734	70 929 9'3
R.A. 17 <sup>h</sup> 11 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup>								7362	33	22'9221	21'7827	18§	18'9208	9'6594	
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2698. 1895, June 17.				R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2704. 1895, June 19.				7363	4*	7'0873	22'8008	4	3'1080	10'9446	
								7364	4	7'6146	22'3196	5	3'6228	10'4539	
								7365	5†	8'0785	22'3924	4	4'0920	10'5171	
								7366				4	5'2361	10'0755	
7309	7	5'6022	14'2459				° m.	7367	4	10'0386	22'2082	4	6'0471	10'3027	
7310	23§	6'9785	14'2398	12	2'8542	2'3846		7368	55§	11'8804	22'7487	37§	7'8944	10'8087	70 918 8'7
7311	5	9'4302	14'4216					7369	5	11'9868	22'6077				
7312	14	19'0965	15'0576	7	14'9853	2'9974		7370	11	12'9052	22'6578	6	8'9203	10'7033	
7313	4†	19'8888	14'8291	4†	15'7743	2'7563		7371	5	14'3366	22'1288	4	10'3448	10'1479	
7314	16	20'2634	14'1254	9	16'1338	2'0480		7372	7	17'1369	22'2995	4	13'1433	10'2721	
7315	10	22'2425	14'4126	5	18'1179	2'2995		7373	5*	18'9045	22'7659	4	14'9180	10'7105	
7316	5	9'9184	15'7604	5	5'8192	3'8574		7374	9	19'3663	22'5512	5	15'3768	10'4887	
7317	7	12'8128	15'1450	4	8'6988	3'1910		7375	20	19'3840	22'3888	10	15'3922	10'3252	
7318	4	13'9128	15'3727	4	9'8045	3'4027		7376	18	6'0820	23'3290	12	2'1105	11'4886	
7319	7	9'9097	16'1818	4	5'8199	4'2751		7377	5*	11'3228	23'6280	4	7'3590	11'6998	
7320	30§	12'5871	16'4522	23§	8'4983	4'5014	70 922 9'1	7378	37§	12'3993	23'6971	22§	8'4317	11'7526	70 920 9'3
7321	4*	12'7500	16'0228	3	8'6549	4'0712		7379	31§	12'5475	23'3660	19§	8'5746	11'4180	70 921 9'4
7322	9	13'1872	16'9560	7	9'1077	4'9960		7380				4	9'8121	11'2352	
7323	25§	13'4098	16'1363	20§	9'3162	4'1732	70 923 9'5	7381	29§	15'2365	23'3184	19§	11'2634	11'3242	
7324	7	17'8950	16'6475	4	13'8123	4'6083		7382	6	16'3728	23'3367	5	12'3999	11'3254	
7325	6	19'5048	16'3353	4	15'7132	4'2632		7383				4	18'1097	11'3054	
7326	13	21'1218	16'6007	11	17'0347	4'5083		7384	27	6'3788	24'6356	16	2'4277	12'7919	70 915 9'5
7327	20	6'1199	17'2565	12	2'0461	5'4163		7385	24	8'9376	24'1246	14	4'9780	12'2347	
7328	16§	6'8860	17'8467	8	2'8234	5'9943		7386				4	6'4313	12'2360	
7329	16	7'0213	17'4485	8	2'9531	5'5936		7387	92§	14'1575	24'5616	69§	10'2015	12'5835	70 925 7'0
7330	6	10'9267	17'4458	4	6'8515	5'5271		7388	8	18'4590	24'4530	5	14'5013	12'4031	
7331	28	15'4266	17'6098	17§	11'3580	5'6140		7389	10*	23'7898	24'3487	11	19'8310	12'2079	

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 17 <sup>h</sup> 11 <sup>m</sup> to 17 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 36 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup> —contd.							
Centre R.A. 17 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2698. 1895, June 17.				R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2704. 1895, June 19.				Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2699. 1895, June 17.				R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2705. 1895, June 19.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.			

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.

ZONE + 70°.

R.A. 17 <sup>h</sup> 36 <sup>m</sup> to 17 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 17 <sup>h</sup> 50 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 17 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 2699. 1895, June 17.				Centre R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2705. 1895, June 19.				Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1146. 1893, May 22.				Centre R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2705. 1895, June 19.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
								B. D.									
								No.	Mag.								
7495	4*	20°7041	21°3906	4*	12°7263	9°2858	°	7548	9	10°8819	19°6432	5*	22°9016	7°7141	°		
7496	4*	10°4343	22°5905	4*	2°5060	10°8306		7549	4	11°1437	19°4579						
7497	38§	14°6988	22°1887	27§	6°7513	10°2858	70 949	7550	4*	12°4100	19°2889	3*	24°4373	7°4381			
7498	7	17°3256	22°2471	4	9°3748	10°2543		7551	17	4°3148	20°2418	8	16°3107	7°9825			
7499	40§	17°3260	22°7873	27§	9°3940	10°7965	70 952	7552	4	6°2328	20°4811	3*	18°2179	8°3154			
7500	5	11°9136	23°1633	4*	3°9973	11°3537		7553	3†	7°6533	20°2059						
7501	8*	12°4320	23°9956	5	4°5456	12°1669		7554	8	7°7472	20°1178	6*	19°7477	8°0286			
7502	4*	14°9830	23°9321	4	7°0923	12°0178		7555	14§	8°8907	20°0560	9	20°8941	8°0270			
7503	6	16°2268	23°3325	6	8°3154	11°3766		7556	8	12°6554	20°6495	6*	24°6219	8°8043			
7504	10	20°8719	23°8029	10	12°9740	11°6932		7557	17	13°5121	20°9900	16	25°4581	9°1904			
7505	5*	22°4483	23°4441	7	14°5371	11°2785		7558	6*	4°4116	21°4888	4	16°3467	9°2333			
7506	18	10°2500	24°6520	14	2°3854	12°8959		7559	5*	5°0660	21°1693	3*	17°0161	8°9448			
7507	28§	13°5241	24°9025	19§	5°6652	13°0348		7560	5	9°4376	21°4572	3*	21°3719	9°4530			
7508	6*	15°8850	24°1054	4	8°0018	12°1591		7561	4	10°1034	21°3878	2*	22°0385	9°4121			
7509	6	18°9793	24°8443	5	11°1169	12°7946		7562	9	10°9150	21°4370	6	22°8460	9°5054			
7510				3†	13°5151	12°2025		7563	9	12°7650	21°8828						
7511	6*	22°7098	25°0745	7	14°8543	12°9010		7564	7	6°2271	22°4638	4	18°1117	10°2981			
7512	16	16°2377	25°2906	13§	8°3921	13°3358		7565	24§	7°0891	22°6056	17§	18°9660	10°4826			
7513				5	13°9355	13°7705		7566	6	8°9338	22°1301	3*	20°8311	10°0978			
								7567	10	9°8277	22°4850	3*	21°7085	10°4989			
								7568	4	12°2640	22°1285						
								7569	6	12°2842	22°5380						
								7570	9	4°8639	23°0923	5	16°7187	10°8576			
								7571	9	5°5541	23°8297	4	17°3697	11°6284			
								7572	23§	5°7955	23°5193	14	17°6258	11°3307	70 959		
								7573	15	8°1970	23°6530	6	20°0205	11°5850	9°5		
								7574	9	8°2653	23°0513	4†	20°1189	10°9860			
								7575	7	9°0950	23°5873	4	20°9180	11°5610			
								7576	21§	10°0855	23°5886	11	21°9111	11°6115			
								7577	10	10°7330	23°8110	5	22°5449	11°8693			
								7578	22§	12°3912	23°6049	17	24°2104	11°7448	70 968		
								7579	8	12°9613	23°2909	6	24°7938	11°4592	9°5		
								7580	26§	6°4705	24°2078	18§	18°2673	12°0537	70 960		
								7581	4	7°9375	24°4246	3*	19°7205	12°3425	9°5		
								7582	12	10°0952	24°4140	5*	21°8772	12°4385			
								7583	26§	10°1745	24°4233	22§	21°9568	12°4498	70 964		
								7584	19§	10°2782	24°1607	10	22°0759	12°1926	8°8		
								7585	14	11°4660	24°5088	6	23°2435	12°6008			
								7586	4	11°6452	24°8558						
								7587	6	12°1081	24°0654	3*	23°9033	12°1886			
								7588	23§	12°5190	24°5838	17	24°2908	12°7275			
								7589	7	13°1338	24°6094						
								7590	4	13°2808	24°1747						
								7591	8	13°3404	24°8533	4*	25°0943	13°0357			
								7592	5*	6°9103	25°0545	4*	18°6628	12°9223			
								7593	11	8°9818	25°4773	6	20°7112	13°4472			
								7594	14	12°0308	25°3904	6	23°7613	13°5102			
								7595	8	12°3727	25°2215	3*	24°1128	13°3542			
R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup>																	
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 1146. 1893, May 22.				Centre R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2718. 1895, June 24.													
7596	7	18°4427	13°9778	4†	6°0916	2°0103	°	7596	7	18°4427	13°9778	4†	6°0916	2°0103	m.		
7597	10	23°7332	13°9763	7	11°3790	1°7410		7597	10	23°7332	13°9763	7	11°3790	1°7410			
7598	6	14°1200	14°4164					7598	6	14°1200	14°4164						
7599	38§	15°2723	14°7071	42§	2°9615	2°8884	70 971	7599	38§	15°2723	14°7071	42§	2°9615	2°8884	9°4		
7600	6	16°6538	14°8361					7600	6	16°6538	14°8361						

Plates 1146, 2705. B. D. 70° 957 which is noted in the *Durchmusterung* as a nebula is on the field covered by these plates. There is nothing shown on these at the place given in the B. D. nor on the chart plates of the same field.

1 réseau interval represents very nearly  $5' = 58^{\text{s}}.5$  of R.A. at Dec.  $+70^{\circ}$ , and  $61^{\text{s}}.4$  at Dec.  $+71^{\circ}$ .



## ZONE + 70°.

R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 10 <sup>m</sup> —contd.											
Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°							
Plate 1146. 1893, May 22.				Plate 2718. 1895, June 24.				Plate 1146. 1893, May 22.				Plate 2718. 1895, June 24.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .					
								B. D.											
								No.	Mag.										
7601	4	16°6927	14°2936				°	m.	7660	8	14°5436	21°2593	5*	2°5563	9°4708	°	m.		
7602	10	17°3740	14°8048	6	5°0671	2°8843			7661	16	17°5617	21°2302	11	5°5693	9°2920				
7603	6	20°2812	14°4249						7662	6	17°7851	21°2150	4	5°7923	9°2647				
7604	31§	20°7892	14°4623	29§	8°4585	2°3716	70	975	9'4	7663	20§	19°2906	21°4743	16§	7°3082	9°4517			
7605	4	20°9156	14°0772						7664	6*	19°6230	21°9569	3*	7°6617	9°9163				
7606	9	21°9758	14°6171	4*	9°6531	2°4723			7665	8	20°5062	21°3464	4	8°5129	9°2647				
7607	21§	22°3463	14°9177	17§	10°0369	2°7491	70	977	9'5	7666	24§	21°7071	21°7661	19§	9°7332	9°6253	70	976	9'0
7608	19§	22°3505	14°9108	17§	10°0404	2°7445			7667	16	21°8664	21°3184	8	9°8694	9°1691				
7609	11	23°9398	14°3956	8	11°6036	2°1514			7668	12	23°5346	21°4817	7	11°5449	9°2506				
7610	10	14°3592	15°0160	4	2°0645	3°2433			7669	11	14°8832	22°1914	8	2°9376	10°3825				
7611	10	15°4696	15°0872	4*	3°1760	3°2575			7670	13	16°9121	22°9445	6*	5°0014	11°0357				
7612	29§	15°9223	15°2957	29§	3°6379	3°4457	70	972	9'1	7671	5†	18°7415	22°0087	3*	6°7843	10°0097			
7613	6	18°2238	15°9256						7672	13	20°0505	22°5820	6	8°1160	10°5209				
7614	9	18°7653	15°9291	6†	6°5108	3°9374			7673	17	23°7535	22°1027	9	11°7940	9°8614				
7615	16	18°8734	15°5470	10	6°6001	3°5495	70	974	9'5	7674	5	15°7323	23°2871	3*	3°8408	11°4378			
7616	14	19°8670	15°7590	8	7°6031	3°7132			7675	5	17°9548	23°3961	2*	6°0624	11°4360				
7617	16	19°8836	15°8550	14	7°6228	3°8079			7676	8	18°1251	23°2183	4†	6°2287	11°2505				
7618	14	21°4834	15°9655	9	9°2263	3°8419			7677	6	18°6954	23°7713							
7619	20§	16°5764	16°7226	21	4°3629	4°8376			7678	6†	18°9881	23°0487	4*	7°0828	11°0392				
7620	34§	16°9645	16°7894	28§	4°7528	4°8857	70	973	8'7	7679	6*	20°5486	23°9494	4	8°6815	11°8590			
7621	12	18°9940	16°0863	7	6°7453	4°0848			7680	36§	22°7197	23°3237	22§	10°8222	11°1300	70	979	9'3	
7622	9	23°1119	16°4367	5	10°8772	4°2313			7681	22	23°8242	23°7406	9	11°9440	11°4919				
7623	16§	15°6177	17°7466	13	3°4582	5°9055			7682	18	14°1740	24°9690	9	2°3677	13°1917				
7624	7	15°8233	17°7825	4*	3°6660	5°9328			7683	7†	16°1192	24°8623	4*	4°3016	12°9888				
7625	17	16°7068	17°2083	11	4°5185	5°3173			7684	7	16°6614	24°7828	4	4°8412	12°8839				
7626	7	16°7258	17°1998	4†	4°5374	5°3075			7685	7*	22°2805	24°7236	4†	10°4535	12°5483				
7627	11	18°7508	17°8838	6	6°5921	5°8925			7686	18	16°5487	25°3225	11	4°7541	13°4277				
7628	6*	15°1774	18°3490	3*	3°0487	6°5343			7687	9	17°2900	25°1511	5	5°4914	13°2228				
7629	9*	16°0021	18°2776	5	3°8709	6°4153			7688	5*	17°9676	25°2169	4	6°1687	13°2528				
7630	12	16°0348	18°9678	9	3°9343	7°1067			7689	6*	18°1766	25°8471	4*	6°4095	13°8718				
7631	8	16°8658	18°8079	6	4°7531	6°9062			7690	15	18°8215	25°7781	10	7°0495	13°7738				
7632	6	18°9645	18°4236	4	6°8314	6°4188			7691	37§	20°9823	25°9973	20§	9°2125	13°8855				
7633	7	19°2484	18°9585	5	7°1401	6°9385			7692	20	22°6851	25°6941	9	10°9022	13°4985				
7634	6	19°3975	18°9181	3*	7°2846	6°8918			R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 24 <sup>m</sup>										
7635	6	20°7403	18°1493	4	8°5932	6°0567			Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				
7636	5	21°3278	18°3545	4	9°1874	6°2325			Plate 2710. 1895, June 20.			Plate 2718. 1895, June 24.			Plate 2710. 1895, June 20.				
7637	12	21°3970	18°5885	10	9°2667	6°4649			7693	3	15°1272	13°9848				°	m.		
7638	4	21°8604	18°1337						7694	4	5°5852	14°0977							
7639	20§	23°0932	18°1382	15§	10°9415	5°9317			7695	6	6°8331	14°7551	3*	14°9869	2°6000				
7640	8	17°2860	19°6978	6	5°2167	7°7711			7696	21§	7°1730	14°6890	20§	15°3455	2°5667	70	983	9'5	
7641	15	19°2221	19°1190	13	7°1234	7°1007			7697	3	7°3252	14°8707							
7642	16	19°5783	19°6340	8	7°5043	7°5970			7698	3	9°2425	14°4616							
7643	8	19°9048	19°9560	6	7°8440	7°9052			7699	27§	9°6805	14°6236	26§	17°8528	2°5850	70	986	9'3	
7644	6	20°3621	19°2703	5	8°2693	7°1974			7700	3	12°7055	14°6896							
7645	16	20°5532	19°9680	11	8°4924	7°8859			7701	6	13°4442	14°0854	4*	21°6366	2°1670				
7646	28§	22°1234	19°4372	26§	10°0345	7°2758	70	978	9'0	7702	14	14°0768	14°6099	7	22°2482	2°7146			
7647	4*	22°2129	19°5796	3†	10°1303	7°4127			7703	5	14°3240	14°3657	4*	22°5072	2°4766				
7648	19§	22°2350	19°5528	15§	10°1522	7°3852			7704	4	14°6521	14°3647							
7649	8	22°3052	19°6856	4	10°2284	7°5167			7705	6	15°1833	14°4073	4*	23°3620	2°5453				
7650	5	22°7513	19°0487	4†	10°6446	6°8587			7706	26§	15°4907	14°0867	43§	23°6787	2°2375	69	976	9'1	
7651	25§	14°6102	20°2489	25§	2°5712	8°4551	70	970	9'2	7707	4	15°7471	14°6672						
7652	7	15°2148	20°7857						7708	64§	15°8310	14°1809	78§	24°0173	2°3392	69	977	7'9	
7653	9	18°7515	20°1135	6	6°7018	8°1175			7709	8	16°0920	14°9945							
7654	11	19°9890	20°6674	6	7°9650	8°6104			7710	22§	16°8232	14°3759	25§	25°0045	2°5678	70	993	9'5	
7655	6*	20°1355	20°9994	3†	8°1292	8°9401			7711	3	17°8518	14°6498							
7656	8	21°9801	20°1771	5	9°9237	8°0230													
7657	15	22°8421	20°6290	8	10°8113	8°4321													
7658	14	23°4692	20°5316	7	11°4318	8°3034													
7659	16§	14°4241	21°1007	13	2°4255	9°3178													

Plates 2710, 2718. B. D. 69° 979. Mag. 9'3. There is no star on these plates whose place corresponds to this.

1 réseau interval represents very nearly 5' = 58'5 of R.A. at Dec. +70°, and 61'4 at Dec. +71°.

## ZONE + 70°.

R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 24 <sup>m</sup> —contd.									R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 24 <sup>m</sup> —contd.															
Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°						Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°			R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°												
Plate 2710. 1895, June 20.			Plate 2718. 1895, June 24.						Plate 2710. 1895, June 20.			Plate 2718. 1895, June 24.												
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.		No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.								
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1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 18 <sup>h</sup> 10 <sup>m</sup> to 18 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 24 <sup>m</sup> to 18 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 18 <sup>h</sup> 20 <sup>m</sup> Dec. +70°				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 2710. 1895, June 20.				Plate 2718. 1895, June 24.				Plate 2710. 1895, June 20.				Plate 1241. 1893, June 27.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.															

Plates 3171, 1241. Nos. 7912, 8029, 8065, 8096, 8097, are measured also on Plates 1246, 2844.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. +70°, and 61".4 at Dec. +71°.

## ZONE + 70°.

R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>								R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				Centre R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			
Plate 3171. 1896, June 16.				Plate 1241. 1893, June 27.				Plate 3171. 1896, June 16.				Plate 1241. 1893, June 27.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
7936	6	11'4500	16'1852	5†	15'4557	4'1336	° m.	7995	11	20'0671	19'0663	4*	24'0119	7'1851	° m.
7937	9	12'1189	16'4090	8	16'1170	4'3676		7996	25§	20'7533	19'0951	34§	24'7000	7'2267	
7938	20§	14'3854	16'9150	21	18'3750	4'9251		7997	10	21'0490	19'8198	5*	24'9809	7'9551	
7939	4	15'2998	16'7358	5*	19'2954	4'7573		7998	20§	22'1071	19'0763	27	26'0510	7'2375	
7940	20	15'4026	16'8110	17§	19'3961	4'8371		7999	7	5'9589	20'5029	3*	9'8779	8'3451	
7941	18	16'3591	16'2172	19	20'3632	4'2642		8000	6	6'3099	20'2331	4*	10'2379	8'0820	
7942	7	16'5234	16'4768	6	20'5252	4'5270		8001	16	6'6177	20'6141	10	10'5342	8'4655	
7943	17	17'1520	16'6122	19	21'1491	4'6743		8002	11	6'8297	20'9888	6*	10'7399	8'8478	
7944	16	17'2961	16'3058	16	21'2983	4'3677		8003	14	7'3721	20'5946	12	11'2911	8'4630	
7945	43§	18'4380	16'5968	49§	22'4342	4'6841	70 1022 9'2	8004	6	7'5599	20'8637				
7946	4	19'5718	16'7071					8005	7	7'9138	20'5250	4*	11'8354	8'4051	
7947	24§	19'6026	16'0063	33	23'6116	4'1180		8006	9	8'8979	20'0550	5*	12'8264	7'9551	
7948	13	4'5388	17'8297	11	8'5131	5'6450		8007	8	10'2197	20'6380	6*	14'1392	8'5623	
7949	18	4'5610	17'1573	14	8'5503	4'9740		8008	10	12'2768	20'8121	5	16'1901	8'7761	
7950	9	4'8167	17'5787	5*	8'7949	5'3951		8009	8	13'0033	20'2347	7	16'9293	8'2128	
7951	6	5'2185	17'6553	4	9'1947	5'4789		8010	32§	13'4229	20'7379	32§	17'3399	8'7248	70 1014 9'5
7952	7	5'6700	17'9535	6	9'6419	5'7892		8011	11	13'6587	20'8840	7	17'5714	8'8748	
7953	21	9'7192	17'3371	21	13'7008	5'2530		8012	4	14'2983	20'9976	3*	18'2052	9'0051	
7954	10	10'0265	17'5230	6	14'0020	5'4444		8013	12	14'9256	20'2840	9	18'8505	8'2975	
7955	10	10'3198	17'8087	10	14'2917	5'7352		8014	7	14'9354	20'3325	6*	18'8594	8'3464	
7956	21	11'0560	17'7048	21	15'0298	5'6459		8015	33§	15'8786	20'5055	34§	19'7986	8'5409	70 1017 9'1
7957	9	11'5593	17'3040	8	15'5417	5'2563		8016	19	15'9460	20'5111	20	19'8638	8'5464	
7958	11	13'5544	17'8796	11	17'5260	5'8700		8017	4	17'2473	20'3747				
7959	4	14'2265	17'6536	4*	18'2004	5'6563		8018	8	17'4897	20'4826	5†	21'4084	8'5509	
7960	40§	16'8039	17'4327	41§	20'7838	5'4853	70 1019 9'5	8019	14	18'1127	20'7958	11	22'0263	8'8753	
7961	8	17'0293	17'9465	6	20'9965	6'0073		8020	13	18'1807	20'0778	10	22'1090	8'1603	
7962	7	17'6785	17'0315	5*	21'6634	5'1024		8021	23§	20'1330	20'7373	22§	24'0458	8'8562	70 1025 9'1
7963	6	19'0498	17'8972	6*	23'0169	5'9960		8022	22§	20'3263	20'7432	25	24'2385	8'8646	70 1026 9'4
7964	19§	20'2618	17'3381	13	24'2408	5'4631		8023	8	20'4487	20'8516	5*	24'3611	8'9771	
7965	7	20'2864	17'5844	4*	24'2588	5'7057		8024	4	21'2343	20'1244				
7966	59§	21'9030	17'3513	78§	25'8844	5'5055	70 1027 7'8	8025	7	21'3040	20'6836	4*	25'2178	8'8262	
7967	32§	4'2592	18'8007	28§	8'2151	6'6078	70 1002 9'5	8026	15	21'6447	20'9855	8*	25'5536	9'1353	
7968	8	4'6913	18'6936	6	8'6498	6'5102		8027	6	21'8515	20'8674				
7969	7	5'3858	18'7045	6*	9'3437	6'5342		8028	13	21'9705	20'1535	6*	25'8949	8'3097	
7970	8	6'2171	18'2363	6	10'1842	6'0832		8029	21§	22'7798	20'2558	23	26'7006	8'4290	
7971	20	6'8238	18'8650	17	10'7783	6'7241		8030	10	4'5937	21'0877	5*	8'5052	8'9036	
7972	6	7'4899	18'9666	6	11'4415	6'8399		8031	25§	5'2120	21'5214	21§	9'1135	9'3460	70 1003 9'5
7973	20§	8'4430	18'3047	20	12'4096	6'1950		8032	6	6'7548	21'6122				
7974	13	10'6498	18'6386	12	14'6055	6'5745		8033	9	9'3105	21'0048	7*	13'2194	8'9097	
7975	71§	11'1468	18'5368	67§	15'1027	6'4829	70 1012 7'5	8034	27§	9'9708	21'5543	29§	13'8702	9'4748	70 1009 9'5
7976	6	12'2998	18'8643	5*	16'2519	6'8296		8035	6	10'0812	21'4518	4*	13'9854	9'3746	
7977	4†	12'4024	18'0850	4*	16'3702	6'0534		8036	4	10'1427	21'8671				
7978	4*	12'7166	18'4283	3*	16'6784	6'4051		8037	28§	10'3996	21'3657	30§	14'3018	9'2959	
7979	10	12'9036	18'4228	10	16'8646	6'4007		8038	4	11'1898	21'7415				
7980	17	14'0058	18'8970	18	17'9571	6'8977		8039	13	13'1326	21'3979	7*	17'0338	9'3805	
7981	14	15'4514	18'7150	11	19'4055	6'7427		8040	4	13'4251	21'4144	3*	17'3215	9'4051	
7982	8	16'2707	18'0520	4*	20'2387	6'0951		8041	23§	14'5803	21'7532	24§	18'4753	9'7636	70 1015 9'5
7983	11	16'5195	18'5959	10	20'4747	6'6475		8042	15	14'8932	21'0656	12	18'8016	9'0850	
7984	12	17'2300	18'7212	12	21'1840	6'7835		8043	26§	15'2458	21'5259	29§	19'1431	9'5491	70 1016 9'4
7985	16	18'0473	18'2311	14	22'0108	6'3114		8044	19	16'3218	21'5599	19	20'2205	9'6048	
7986	19	18'5824	18'3637	18	22'5424	6'4546		8045	38§	16'5627	21'3450	40§	20'4648	9'3950	70 1018 8'9
7987	4	22'6413	18'9142					8046	11	17'4366	21'4655	8	21'3346	9'5337	
7988	22§	5'3481	19'8420	24	9'2821	7'6709	70 1004 9'5	8047	5	17'6302	21'8057	3*	21'5229	9'8754	
7989	9	9'6024	19'1063	5*	13'5506	7'0194		8048	4	19'0897	21'6652	3*	22'9834	9'7691	
7990	15§	10'1278	19'6374	11	14'0650	7'5620		8049	20§	20'2449	21'8798	17	24'1356	10'0013	
7991	5	11'0942	19'8255	4*	15'0309	7'7653		8050	31§	21'8598	21'8523	39§	25'7507	10'0050	70 1028 9'4
7992	8	17'0709	19'0734	5*	21'0189	7'1338		8051	31§	5'4596	22'1128	32§	9'3493	9'9441	70 1005 9'4
7993	80§	17'8844	19'5380	80§	21'8234	7'6147	70 1020 8'0	8052	7	5'6380	22'9250	4	9'5145	10'7590	
7994	10	19'9462	19'7342	7*	23'8794	7'8496		8053	9	6'4132	22'5736	4*	10'2957	10'4226	



ZONE + 70°.

R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> —contd.							R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> —contd.						
Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°		
Plate 3171. 1896, June 16.							Plate 1241. 1893, June 27.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
8054	7	7·2586	22·2950				8113	20	19·1494	25·6241	13	22·9638	13·7237
8055	11	9·1547	22·1250	5*	13·0414	10·0277	8114	14	19·8900	25·6530	7	23·7048	13·7682
8056	14	9·1816	22·3940	7†	13·0682	10·2954	8115	7	19·9181	25·1060	4*	23·7468	13·2236
8057	5†	11·3465	22·5048	3*	15·2294	10·4526	8116	6	22·6246	25·1235			
8058	18	11·9113	22·4854	13	15·7910	10·4452							
8059	5	12·4800	22·6681										
8060	13	15·3243	22·8123	8	19·1987	10·8355							
8061	24§	16·7299	22·5943	17	20·6079	10·6452							
8062	87§	18·3478	22·2256	83§	22·2307	10·3119	70 1023	6·3					
8063	8	18·7013	22·9250	4*	22·5701	11·0161							
8064	14	22·4898	22·7630										
8065	24	6·9465	23·8611	18	10·8010	11·7236							
8066	18	10·7992	23·8725	10	14·6510	11·8063							
8067	4†	10·8341	23·8335	3*	14·6849	11·7616							
8068	24§	11·3225	23·9407	24	15·1745	11·8869	70 1011	9·3					
8069	22§	11·9900	23·5042	20	15·8510	11·4648	70 1013	9·3					
8070	7	12·1772	23·0088										
8071	12	14·2575	23·9357	5*	18·1093	11·9396							
8072	19	16·7361	23·8783	16	20·5874	11·9321							
8073	8	18·1104	23·3965	4	21·9723	11·4752							
8074	14	19·0723	23·9117	7	22·9205	12·0097							
8075	4	19·7102	23·3143	2*	23·5704	11·4250							
8076	7	4·9036	24·0759	4*	8·7514	11·8977							
8077	12	7·1912	24·0843	4*	11·0423	11·9526							
8078	20	9·6700	24·1248	12	13·5188	12·0372							
8079	5	10·0425	24·8348										
8080	4	11·5157	24·3674										
8081	9	12·1062	24·7361										
8082	4	12·5816	24·7948										
8083	11	12·7999	24·4851	4*	16·6394	12·4613							
8084	18§	14·9302	24·1875	15	18·7764	12·2053							
8085	18	15·1892	24·2174	13	19·0323	12·2419							
8086	4†	15·4833	24·5453										
8087	4	15·6194	24·0663										
8088	20	17·6489	24·6302	14	21·4816	12·7019							
8089	41§	17·9342	24·2448	41§	21·7773	12·3180	70 1021	8·8					
8090	15	18·1998	24·4577	9	22·0380	12·5376							
8091	25§	18·2211	24·1792	24	22·0653	12·2601							
8092	16	19·0160	24·6832	11	22·8496	12·7806							
8093	10*	19·2870	24·0350	5*	23·1332	12·1401							
8094	21§	20·6099	24·5249	15	24·4476	12·6536							
8095	32§	21·7026	24·5985	20	25·5384	12·7487							
8096	46§	22·1451	24·3535	58§	25·9840	12·5140	70 1029	8·5					
8097	42§	5·1414	25·4139	23	8·9677	13·2353							
8098	4	5·6173	25·7620	3*	9·4295	13·5969							
8099	7*	6·8189	25·6528	4*	10·6389	13·5107							
8100	13	7·9399	25·0935	4*	11·7680	12·9746							
8101	20	9·5946	25·6182	11	13·4147	13·5348							
8102	22§	12·0950	25·3007	21§	15·9195	13·2633							
8103	15	12·6095	25·9178	4*	16·4207	13·8906							
8104	10	12·8405	25·6356	3*	16·6598	13·6151							
8105	4†	13·0420	25·3133										
8106	17	13·5699	25·9065	8	17·3809	13·8966							
8107	20§	14·6065	25·9150	12	18·4194	13·9250							
8108	7	15·3313	25·6589	4*	19·1501	13·6861							
8109	5	16·8245	25·8652										
8110	18	17·4430	25·3957	17	21·2652	13·4614							
8111	4	18·1103	25·6180	3*	21·9294	13·6951							
8112	43§	18·9385	25·8450	35§	22·7500	13·9433	70 1024	8·8					

R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> —contd.							R.A. 18 <sup>h</sup> 30 <sup>m</sup> to 18 <sup>h</sup> 49 <sup>m</sup> —contd.						
Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			Centre		R.A. 18 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°		R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°		
Plate 3171. 1896, June 16.							Plate 1241. 1893, June 27.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
8113	20	19·1494	25·6241	13	22·9638	13·7237	8117	26§	14·7665	13·9905	16	14·7933	1·9675
8114	14	19·8900	25·6530	7	23·7048	13·7682	7912	6	2·0388	14·7881			
8115	7	19·9181	25·1060	4*	23·7468	13·2236	8118	38§	4·1414	14·1112	33	4·1647	2·0796
8116	6	22·6246	25·1235				8119	39§	4·2452	14·2062	37§	4·2679	2·1747
							8120	4	4·2850	14·5367	3*	4·3123	2·5060
							8121	3	5·9386	14·3766			
							8122	18	6·7337	14·7091	10	6·7579	2·6797
							8123	4	7·5482	14·4160			
							8124	4	8·5538	14·4947			
							8125	18§	9·1466	14·7654	9	9·1704	2·7357
							8126	35§	10·4706	14·1660	23§	10·4954	2·1388
							8127	8	10·7206	14·8301	4	10·7427	2·8030
							8128	9	11·0203	14·9305	5	11·0455	2·9061
							8129	15	14·1148	14·8832	7	14·1420	2·8586
							8130	5	14·3101	14·5188			
							8131	11	14·8128	14·5187	5	14·8378	2·4929
							8132	5	15·0243	14·5480	3*	15·0498	2·5256
							8133	21	15·2158	14·4965	13	15·2419	2·4732
							8134	26§	15·8064	14·4287	17	15·8333	2·4050
							8135	23§	16·8211	14·0303	15	16·8476	2·0060
							8136	11	19·0803	14·0406	4	19·1064	2·0218
							8137	19§	19·9141	14·3990	7	19·9384	2·3803
							8138	17	20·9350	14·6452	4	20·9625	2·6277
							8139	4	21·2066	14·2214			
							8140	17	24·4285	14·4224	5*	24·4591	2·4051
							8141	5†	25·0459	14·3986			
							8142	4	4·0573	15·6905			
							8143	4	5·2812	15·6534	3*	5·2996	3·6237
							8144	6	5·7186	15·2168	4*	5·7378	3·1838
							8145	4	7·6652	15·5501			
							8146	3	8·1283	15·8015			
							8147	4†	9·6299	15·2528			
							8148	23§	11·1672	15·4160	17	11·1911	3·3891
							8149	4	12·3721	15·0559			
							8150	22§	14·0353	15·8278	14	14·0593	3·8018
							8151	12	15·0626	15·7915	6	15·0862	3·7674
							8152	5	16·1129	15·9215	3*	16·1332	3·8999
							8153	18§	16·5744	15·9187	9	16·5984	3·8959
							8154	9	16·6048	15·5475	5	16·6295	3·5251
							8155	10	17·3270	15·7349	5	17·3527	3·7110
							8156	19	22·9270	15·1869	9†	22·9544	3·1707
							8157	20	23·7272	15·1195	9	23·7552	3·1022
							8158	18	23·8460	15·2790	8	23·8726	3·2632
							8159	21	23·8557	15·7470	8*	23·8823	3·7347
							8160	6	23·9325	15·3144			
							8161	16	24·0766	15·3904	4*	24·1004	3·3766
							8162	40§	25·0310	15·1396	37	25·0590	3·1253
							8163	13	2·7153	16·4517	5*	2·7420	4·4209
							8164	6	4·2065	16·8745			

Plates 1246, 2844. Nos. 8237, 8277, 8278, 8295, 8338 are measured also on plates 1280, 1242.

1 réseau interval represents very nearly  $5' = 58^{\text{s}}.5$  of R.A. at Dec.  $+ 70^{\circ}$ , and  $61^{\text{s}}.4$  at Dec.  $+ 71^{\circ}$ .

## ZONE + 70°.

R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			
Plate 1246. 1893, June 28.				Plate 2844. 1895, Sept. 16.				Plate 1246. 1893, June 28.				Plate 2844. 1895, Sept. 16.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
8165	7	4.4855	16.9203	4	4.5094	4.8888		8224	26§	10.8079	19.7161	15	10.8284	7.6891	
8166	4	4.6676	16.2299					8225	6	11.0013	19.7066	4	11.0193	7.6804	
8167	39§	4.9295	16.0965	33§	4.9533	4.0633	70 1031	9.2	8226	4*	12.6653	19.0319	3†	12.6852	7.0068
8168	4	5.1680	16.8941						8227	5	13.0492	19.8303			
8169	4	5.7327	16.0428						8228	14	14.0758	19.9195	7	14.0963	7.8942
8170	57§	5.7384	16.5720	39§	5.7623	4.5394	70 1032	8.5	8229	9	14.5594	19.0396	5	14.5811	7.0178
8171	27§	7.5737	16.3352	20§	7.5992	4.3051			8230	24§	14.5922	19.1759	17	14.6129	7.1519
8172	7	7.8440	16.2871	3*	7.8723	4.2572			8231	7	18.0778	19.0131	3	18.0977	6.9938
8173	25§	7.9074	16.8760	14	7.9320	4.8468	70 1035	9.5	8232	45§	18.7257	19.4091	28§	18.7484	7.3889
8174	15	8.9424	16.7469	8	8.9663	4.7199			8233	7	18.8570	19.2658	3*	18.8772	7.2462
8175	9	8.9863	16.5639	5	9.0098	4.5366			8234	10	20.0023	19.6826	4	20.0260	7.6667
8176	14	9.6239	16.0191	8	9.6477	3.9901			8235	43§	21.1530	19.6772	27§	21.1746	7.6578
8177	11	9.9755	16.9740	5	9.9990	4.9470			8236	10	23.5603	19.0518	4*	23.5798	7.0398
8178	9	12.5676	16.5810	7	12.5916	4.5545			8237	8†	25.7102	19.0570	4*	25.7299	7.0478
8179	4	12.7965	16.0476	3*	12.8201	4.0224			8029	25	2.7195	20.4320	14	2.7408	8.3983
8180	14§	15.1132	16.7264	9	15.1369	4.7008			8238	58§	3.2060	20.8366	41§	3.2275	8.8045
8181	44§	15.7078	16.5654	25§	15.7326	4.5396	70 1044	9.1	8239	28§	4.1990	20.2311	16	4.2174	8.1987
8182	13	16.4335	16.1796	7	16.4580	4.1555			8240	5	4.5403	20.7206			
8183	5	19.5163	16.8943	3*	19.5416	4.8768			8241	6	5.1020	20.8151	4*	5.1249	8.7818
8184	5	22.6142	16.8505						8242	6	8.2913	20.6218	4*	8.3124	8.5953
8185	4	23.1131	16.5448						8243	10	8.6068	20.3778	5	8.6284	8.3499
8186	7	24.5876	16.1201						8244	19	10.0738	20.4238	18	10.0925	8.3966
8187	4	4.5137	17.0924						8245	9	10.1729	20.2998	4	10.1913	8.2711
8188	4	5.1280	17.4875						8246	61§	14.4984	20.6199	45§	14.5173	8.5940
8189	5	6.3095	17.3278						8247	8	15.1377	20.0180	3	15.1621	7.9995
8190	14	7.6309	17.0398	5*	7.6572	5.0128			8248	6	16.4960	20.1001	3*	16.5174	8.0769
8191	13	10.8864	17.5381	7	10.9135	5.5113			8249	16	18.2334	20.1524	7	18.2537	8.1343
8192	6	15.9755	17.7704	4†	15.9988	5.7454			8250	4	18.2944	20.7027			
8193	25§	16.2092	17.9275	18	16.2324	5.9041			8251	6	18.7156	20.0125	3*	18.7369	7.9913
8194	7	16.2858	17.2401	4†	16.3138	5.2177			8252	6	18.7597	20.4799	4	18.7788	8.4580
8195	6	20.3468	17.9316	4*	20.3687	5.9154			8253	8	19.2664	20.1762	3*	19.2852	8.1553
8196	4	23.1732	17.1955						8254	6	20.6375	20.4955	3*	20.6592	8.4761
8197	10	23.5486	17.8438	4*	23.5681	5.8296			8255	15	21.4851	20.9685	8	21.5065	8.9520
8198	7	24.3862	17.4700	4*	24.4119	5.4531			8256	7	3.2840	21.0782	4	3.3048	9.0485
8199	7†	25.1636	17.0645						8257	4	4.8653	21.6748			
8200	9	3.8335	18.9422	3*	3.8517	6.9139			8258	4	4.8765	21.1868			
8201	19§	3.9930	18.9412	13	4.0125	6.9099			8259	19	6.6585	21.9643	10	6.6762	9.9368
8202	19	4.9846	18.9015	8	5.0035	6.8736			8260	9	7.6988	21.8524	5	7.7178	9.8251
8203	4	6.3974	18.3427	3*	6.4186	6.3102			8261	6	8.3444	21.0305	4	8.3636	9.0028
8204	58§	8.1632	18.1083	37§	8.1851	6.0790	70 1036	8.0	8262	4	9.6773	21.3270			
8205	8	9.3250	18.0463	4	9.3463	6.0173			8263	6	9.7863	21.4314			
8206	3*	10.7127	18.2651	3*	10.7303	6.2446			8264	7	12.1839	21.7876	3	12.2027	9.7672
8207	21§	11.0346	18.2977	13	11.0597	6.2703			8265	6	13.1350	21.4912	3*	13.1580	9.4694
8208	6†	11.3836	18.1887	3†	11.4084	6.1577			8266	4	13.1642	21.3314			
8209	5	11.5187	18.8186	3†	11.5409	6.7909			8267	60§	15.3128	21.0140	38§	15.3319	8.9905
8210	26§	11.8445	18.0131	18	11.8681	5.9875	70 1038	9.4	8268	21§	15.5150	21.9073	10	15.5358	9.8847
8211	17§	12.1542	18.5234	7	12.1778	6.4979			8269	34§	16.3853	21.0881	25§	16.4064	9.0653
8212	5	12.6369	18.7541	3*	12.6592	6.7307			8270	15	16.9563	21.4179	6	16.9768	9.3973
8213	10	15.4573	18.7027	7	15.4801	6.6816			8271	6	17.9708	21.9608			
8214	4*	15.4830	18.6340	3*	15.5094	6.6122			8272	18	18.0613	21.6304	8	18.0817	9.6075
8215	3*	17.6796	18.7264	3*	17.7034	6.7066			8273	4	19.8008	21.8423			
8216	6	18.8773	18.7592	3	18.8999	6.7385			8274	21§	20.1808	21.1818	13	20.2009	9.1633
8217	8	22.3249	18.8144	4	22.3456	6.8004			8275	21§	21.5769	21.0636	12	21.5982	9.0468
8218	32§	23.1065	18.8300	25	23.1293	6.8148	70 1048	9.5	8276	4	23.8633	21.7868			
8219	11	23.9333	18.8079	4	23.9518	6.7957			8277	34§	25.0330	21.6485	18	25.0485	9.6347
8220	7	5.0050	19.0491	5	5.0248	7.0177			8278	7	25.2027	21.5407	3*	25.2196	9.5285
8221	16	8.4925	19.5812	6	8.5153	7.5535			8065	5	2.6238	22.9513	3*	2.6411	10.9213
8222	33§	8.5058	19.5870	27§	8.5258	7.5574	70 1037	8.7	8279	7	3.9500	22.8021	4	3.9691	10.7709
8223	4*	8.5575	19.1020	3*	8.5801	7.0719			8280	22	4.5714	22.2764	10	4.5912	10.2467

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>								R.A. 19 <sup>h</sup> 11 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup>									
Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 1246. 1893, June 28.				R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2844. 1895, Sept. 16.				Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 1280. 1893, July 9.				R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 1242. 1893, June 27.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.								No.									
8281	10	7.8013	22.6003	4	7.8189	10.5721	°	m.	8339	20§	6.3863	14.0145	14*	2.2457	2.1809	°	m.
8282	23	8.1259	22.3820	12	8.1474	10.3532			8340	8	11.2230	14.3778	4*	7.0828	2.4468		
8283	11	8.6748	22.7814	4	8.6929	10.7536			8341	5†	11.5462	14.5096					
8284	5	11.9446	22.0783						8342	6	13.1938	14.2218					
8285	37§	16.5934	22.6282	22§	16.6123	10.6076	70 1045	9.5	8343	6†	14.5915	14.0757					
8286	11	16.9652	22.3705	4	16.9845	10.3524			8344	13	14.8714	14.9975	11	10.7473	2.9935		
8287	4*	17.0621	22.2981	3*	17.0788	10.2780			8345	12	14.8771	14.9965	10	10.7533	2.9918		
8288	8	17.4571	22.9313	4	17.4759	10.9125			8346	51§	16.0564	14.1179	43§	11.9143	2.0935	69 1044	9.0
8289	4	17.4633	22.4684	3*	17.4824	10.4471			8347	13	16.9828	14.9640	12	12.8567	2.9192		
8290	3	18.1290	22.2352						8348	13	17.9520	14.0855	6	13.8124	2.0233		
8291	22§	21.9517	22.0572	10	21.9698	10.0415			8349	6	20.5013	14.0168					
8292	8	22.2103	22.7170	3*	22.2249	10.7024			8350	26§	20.9428	14.5129	24	16.8088	2.3936	69 1050	9.4
8293	10	22.3753	22.8224	6	22.3919	10.8060			8351	24§	21.0187	14.6497	23	16.8885	2.5265		
8294	7	22.4554	22.2651	3	22.4697	10.2483			8352	4	21.0228	14.9404					
8295	5*	25.3224	22.1221	3*	25.3405	10.1064			8353	6	22.3645	14.4666					
8296	10	7.2162	23.1381	6	7.2361	11.1097			8354	5†	23.8023	14.4642					
8297	53§	7.6051	23.0763	37§	7.6239	11.0470	70 1034	8.5	8355	23§	7.1159	15.5105	20	3.0003	3.6628		
8298	10	7.8838	23.0753	4	7.9030	11.0440			8356	11	10.1856	15.8197	6	6.0763	3.9097		
8299	25§	8.0628	23.7068	10	8.0802	11.6765			8357	5	10.5249	15.1470					
8300	4	11.2436	23.6004	4*	11.2641	11.5798			8358	31§	10.6225	15.4548	26§	6.5073	3.5365	70 1052	9.5
8301	4†	11.8018	23.7592						8359	14	13.4136	15.1284	6	9.2915	3.1549		
8302	6	12.1094	23.4843	3*	12.1257	11.4609			8360	15	14.3017	15.1992	8	10.1824	3.2058		
8303	15	13.3705	23.5747	6†	13.3864	11.5505			8361	9	15.4379	15.2314	6†	11.3197	3.2177		
8304	20	13.5159	23.5278	7	13.5333	11.5024			8362	24§	16.4310	15.4525	21	12.3133	3.4194		
8305	13	17.9657	23.5059	5	17.9833	11.4870			8363	25§	16.9305	15.8111	24	12.8204	3.7674	70 1059	9.3
8306	7	22.4149	23.7506	3	22.4335	11.7360			8364	15§	16.9713	15.4854	11	12.8521	3.4417		
8093	28	1.9840	24.8406	16	1.9998	12.8062			8365	27§	18.5368	15.7673	21	14.4299	3.6930	70 1060	9.4
8094	62§	2.4028	24.5667	38§	2.4210	12.5320	70 1029	8.5	8366	8	19.3990	15.5438	4*	15.2836	3.4533		
8307	4	5.1583	24.0113						8367	26§	19.4150	15.1066	24	15.2907	3.0153	70 1062	9.5
8308	17	5.8731	24.8277	7	5.8880	12.7971			8368	5	19.5666	15.2101					
8309	7	9.7644	24.0488	3*	9.7851	12.0204			8369	6	22.2360	15.7537	3*	18.1290	3.6059		
8310	3	10.7654	24.8671						8370	20§	24.0816	15.5795	18	19.9688	3.3955		
8311	4	11.8983	24.1844	3*	11.9200	12.1566			8371	19	5.6836	16.2063	14	1.5822	4.3858		
8312	22	13.3100	24.5299	8	13.3278	12.5045			8372	11	6.6257	16.8100					
8313	8	14.0158	24.7111	3*	14.0342	12.6857			8373	18	7.3758	16.1711	7	3.2776	4.3184		
8314	9	14.4058	24.8239	4	14.4223	12.7993			8374	14	7.5604	16.4499	6	3.4638	4.5925		
8315	15	15.2108	24.3500	6	15.2277	12.3274			8375	9	11.0883	16.8744					
8316	15	15.4731	24.2728	8	15.4892	12.2490			8376	26§	12.5549	16.5667	22	8.4611	4.6105	70 1054	9.5
8317	8	16.4430	24.8278	4	16.4587	12.8081			8377	5	13.1120	16.3343					
8318	5	17.4725	24.7780						8378	6*	13.9603	16.2487	4*	9.8615	4.2663		
8319	8	6.0336	25.2012	5	6.0504	13.1729			8379	8	14.3880	16.1815	6	10.2890	4.1878		
8320	6	7.8749	25.2335	4	7.8902	13.2033			8380	5	14.9218	16.4883	3*	10.8254	4.4831		
8321	13	8.3853	25.9444	6	8.4011	13.9169			8381	24§	17.2291	16.5013	21	13.1333	4.4531		
8322	22§	8.6871	25.4311	12	8.7051	13.4029			8382	6	20.0190	16.8463	3*	15.9294	4.7420		
8323	20	9.6135	25.3212	10	9.6290	13.2941			8383	25§	21.3310	16.1109	22	17.2269	3.9823		
8324	12	11.3691	25.4353	4	11.3862	13.4073			8384	7	6.7007	17.1474	3*	2.6193	5.3117		
8325	4†	11.4411	25.6143						8385	13	6.7657	17.2987	6*	2.6879	5.4563		
8326	4	13.3994	25.5270						8386	7	8.2904	17.6659	4*	4.2212	5.7925		
8327	5	13.4584	25.1171						8387	4†	8.4842	17.4034					
8328	18	14.2676	25.8421	7	14.2841	13.8166			8388	5	12.4098	17.1835	4*	8.3418	5.2207		
8329	26§	14.6734	25.9573	18	14.6886	13.9351	70 1041	9.3	8389	15	12.6147	17.2539	8	8.5349	5.2950		
8330	8	16.4483	25.2137	3	16.4659	13.1943			8390	4†	13.5942	17.8503					
8331	11	16.9217	25.8718	5	16.9351	13.8547			8391	6	14.1329	17.5371	5	10.0586	5.5467		
8332	7	17.5024	25.2834	3†	17.5193	13.2587			8392	19§	15.4910	17.6008	13	11.4183	5.5862		
8333	24§	18.4842	25.0862	16	18.5001	13.0665			8393	15	17.4138	17.8109	9	13.3418	5.7563		
8334	14	19.0083	25.8875	7	19.0247	13.8697			8394	6	19.8004	17.3941	4†	15.7170	5.2939		
8335	10	19.8642	25.9588	6	19.8782	13.9430			8395	22§	22.2053	17.1574	19	18.1211	5.0110		
8336	8	23.1344	25.4115	6	23.1495	13.3946			8396	11	22.4774	17.9605	6	18.4100	5.8070		
8337	44§	24.2119	25.5861	19	24.2247	13.5734			8397	33§	23.9748	17.4568	32§	19.8955	5.2748	70 1068	9.0
8338	5*	24.8005	25.2268	3*	24.8130	13.2105											

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 19 <sup>h</sup> 11 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 19 <sup>h</sup> 11 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.								
Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71°		
Plate 1280. 1893, July 9.			Plate 1242. 1893, June 27.			Plate 1280. 1893, July 9.			Plate 1242. 1893, June 27.			Plate 1280. 1893, July 9.			Plate 1242. 1893, June 27.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
8237	13	5°5531	18°9303	5	1°5058	7°1098	°	m.	8277	28§	5°0853	21°5687	21	1°0921	9°7571	°	m.
8398	6	5°6015	18°6955						8278	13	5°2477	21°4471	6†	1°2526	9°6340		
8399	18§	5°8484	18°0792	15	1°7842	6°2556			8456	5	5°1121	21°1383					
8400	14	6°1390	18°7841	6	2°0914	6°9550			8457	8	6°7752	21°6257	4†	2°7865	9°7825		
8401	7	6°2604	18°9134						8458	16	7°3103	21°5952	7	3°3180	9°7412		
8402	8	8°4440	18°1672	5*	4°3834	6°2887			8459	22§	7°6825	21°3905	15	3°6838	9°5308		
8403	8	9°7635	18°2505	4	5°7042	6°3454			8460	16	10°1104	21°0472	11	6°1028	9°1365		
8404	4†	11°2745	18°5946	3*	7°2221	6°6598			8461	7	11°4097	21°4577	3	7°4107	9°5217		
8405	12	11°6106	18°7485	7	7°5601	6°8103			8462	16§	16°5687	21°5420	8	12°5731	9°5065		
8406	6	11°9748	18°5303	3*	7°9208	6°5833			8463	12	16°8953	21°2965	6	12°8967	9°2558		
8407	4	12°7571	18°7326						8464	7	16°9835	21°7971					
8408	8	13°7746	18°6281	4	9°7207	6°6452			8465	4	17°2539	21°9785					
8409	9	15°7167	18°8406	4†	11°6680	6°8181			8466	21§	22°7507	21°1384	13	18°7449	8°9813		
8410	11	16°2545	18°9810	5	12°2094	6°9481			8467	23	22°7455	21°8403	14	18°7514	9°6827		
8411	69§	16°8085	18°9808	62§	12°7611	6°9407	70 1058	7.5	8295	11	5°4156	22°0123	4*	1°4319	10°2002		
8412	9	19°1269	18°4835	5	15°0731	6°3959			8468	9	7°7321	22°7378	5†	3°7594	10°8750		
8413	23§	20°1341	18°4141	20§	16°0756	6°3038	70 1063	9.5	8469	22§	10°1602	22°5753	19	6°1881	10°6650		
8414	17§	21°6838	18°3202	13	17°6227	6°1847			8470	8	10°2657	22°3123	4*	6°2888	10°3963		
8415	6	22°0160	18°9511	3*	17°9688	6°8092			8471	5	11°1872	22°0943					
8416	5	22°4919	18°3266						8472	13	12°3331	22°4824	5	8°3565	10°5266		
8417	34§	23°9893	18°3993	28§	19°9290	6°2173	70 1069	9.4	8473	43§	12°8247	22°6116	42§	8°8506	10°6480	70 1055	8.0
8418	5†	5°6719	19°3466	4*	1°6375	7°5244			8474	7	13°0197	22°6996	4*	9°0502	10°7327		
8419	5	6°8349	19°1263						8475	7	13°2323	22°5073	4†	9°2535	10°5364		
8420	8	7°9401	19°5156	5	3°9069	7°6490			8476	8	16°3266	22°5708					
8421	6	8°4164	19°3971						8477	4	16°3471	22°4415					
8422	11	10°2868	19°5750	6	6°2534	7°6632			8478	6	20°7863	22°3083					
8423	20§	10°7247	19°8909	15	6°6992	7°9680			8479	13	20°9024	22°4594	6*	16°9224	10°3385		
8424	5†	10°8860	19°3268						8480	23§	22°3724	22°5604	15	18°3925	10°4098		
8425	15	12°8142	19°1771	8	8°7703	7°2162			8481	9†	23°7541	22°2975	3*	19°7720	10°1132		
8426	11	15°1099	19°7393	6	11°0774	7°7337			8482	11	5°2771	23°3540	5	1°3244	11°5403		
8427	7	15°9566	19°2158	3†	11°9130	7°1905			8483	22	6°6136	23°2500	13	2°6513	11°4093		
8428	43§	16°1718	19°9310	41§	12°1428	7°9019	70 1057	9.1	8484	15	7°0455	23°2970	8	3°0872	11°4502		
8429	4†	17°5147	19°7601						8485	6†	7°5930	23°9224					
8430	5†	18°0417	19°8227						8486	31§	8°9199	23°3618	27§	4°9605	11°4752	70 1051	9.5
8431	6	18°7896	19°2944						8487	5	9°2140	23°2281					
8432	7	19°4336	19°9100						8488	12	10°6420	23°3029	4*	6°6831	11°3831		
8433	20§	21°7538	19°7478	14	17°7202	7°6119			8489	5†	12°0811	23°1304	2*	8°1202	11°1958		
8434	23§	22°3748	19°4978	19	18°3399	7°3474	70 1065	9.5	8490	19§	14°7906	23°3489	12	10°8286	11°3486		
8435	6	22°5962	19°7630	4*	18°5669	7°6075			8491	6	15°0892	23°1031					
8436	14	23°3785	19°9489	6	19°3496	7°7781			8492	7	15°6213	23°2498					
8437	12	23°8979	19°5101	5*	19°8610	7°3286			8493	6	15°9656	23°7094					
8438	7*	23°9843	19°3635	3*	19°9408	7°1852			8494	29§	15°9781	23°2799	29	12°0150	11°2553	70 1056	9.4
8439	22§	6°4938	20°7540	16	2°4828	8°9160	70 1049	9.5	8495	12	15°9796	23°5191	6	12°0198	11°4946		
8440	4	7°6772	20°3346						8496	6	16°6487	23°4933					
8441	15	9°5170	20°3062	10	5°4992	8°4073			8497	5	16°8864	23°3958					
8442	17	10°4261	20°6406	12	6°4146	8°7244			8498	8	18°6278	23°0637	4*	14°6594	10°9853		
8443	16§	12°2287	20°6304	8	8°2176	8°6806			8499	11	20°7309	23°1804	5	16°7669	11°0642		
8444	6	12°5038	20°5682						8500	4†	21°0599	23°6207					
8445	10	12°5145	20°5904	4	8°5004	8°6341			8501	29§	22°9691	23°9486	23	19°0170	11°7872		
8446	9	12°8973	20°1544	4*	8°8743	8°1905			8502	4†	23°6057	23°7616					
8447	6	13°0516	20°0647	3*	9°0307	8°0958			8503	33§	23°7261	23°7605	24§	19°7708	11°5839		
8448	6	13°1254	20°4595						8504	8	7°2330	24°5940	3*	3°2983	12°7405		
8449	4	14°3070	20°0130						8505	5*	8°6039	24°2635	3*	4°6626	12°3808		
8450	5	14°3844	20°8921						8506	16	9°6256	24°8302	8	5°6946	12°9310		
8451	5	16°5519	20°3573						8507	5	11°1989	24°4153					
8452	11	18°1829	20°9301	6	14°1766	8°8628			8508	9	12°4025	24°6756					
8453	41§	18°5213	20°1973	41§	14°4977	8°1236	70 1061	9.3	8509	8	14°8565	24°9675					
8454	10	21°0635	20°0268	3	17°0170	7°9007			8510	11	16°0914	24°2806	3*	12°1504	12°2555		
8455	5	22°8906	20°4776						8511	5	16°9135	24°9146					

No. 8428. B. D. 70° 1057. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 58°.5 at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 19 <sup>h</sup> 11 <sup>m</sup> to 19 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 19 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 1280. 1893, July 9.				Centre R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1242. 1893, June 27.				Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.				Centre R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1242. 1893, June 27.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
8512	5†	19.5966	24.2670					8564	21§	5.1853	23.7436	22	21.0110	11.6087	
8513	4†	20.4352	24.7662					8565	60§	5.8641	23.3776	83§	21.7087	11.2868	70 1073 6.3
8514	14	21.7015	24.3218	6	17.7584	12.1846		8566	5†	5.6285	24.5905	8	21.3975	12.4842	
8515	24§	21.7110	24.2103	14	17.7621	12.0736		8567	7*	5.7503	24.1807	8	21.5444	12.0828	
8516	43§	22.6863	24.6681	31§	18.7480	12.5109	70 1066 9.2	8568	5*	6.0093	24.3929	4*	21.7928	12.3084	
8338	13	5.1487	25.1497	7	1.2271	13.3363		8569	8	6.8655	24.6488	8	22.6269	12.6196	
8517	25§	6.5520	25.7008	13	2.6375	13.8605		8570	4*	7.6799	24.4138	4	23.4578	12.4352	
8518	21§	7.8757	25.2589	14	3.9555	13.3919	70 1050 9.5	8571	7	7.7738	24.2354	4†	23.5649	12.2632	
8519	5†	8.6106	25.5521					8572	24§	7.8407	24.9945	24§	23.5812	13.0243	
8520	6	14.9198	25.7185					8573	35§	4.8900	25.3438	28§	20.6146	13.1866	
8521	12	15.4572	25.0205	4*	11.5293	13.0073		8574	9	6.5427	25.2949	12	22.2673	13.2443	
8522	10	16.1106	25.7717					8575	7	6.7494	25.5230	8	22.4584	13.4854	
8523	10	16.2554	25.6689					8576	6†	7.0298	25.7345	7	22.7235	13.7159	
8524	9	16.3154	25.1879					8577	9*	7.6010	25.1615	8	24.3331	13.2378	
8525	13	18.8392	25.2339	4	14.9146	13.1540		R.A. 19 <sup>h</sup> 36 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup>							
8526	8†	19.6055	25.8104					Centre	R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.	R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2742. 1895, July 7.					
8527	24§	20.3690	25.1950	18	16.4428	13.0849	70 1064 9.0	8578	24§	10.6084	14.6687	40§	2.4761	2.8442	69 1059 9.3
8528	5†	22.2729	25.4407					8579	3*	14.1967	14.8131	4	6.0658	2.8708	
8529	10	22.6457	25.3439	3*	18.7201	13.1861		8580	9	14.9835	14.5755	16§	6.8463	2.6083	
R.A. 19 <sup>h</sup> 30 <sup>m</sup> to 19 <sup>h</sup> 36 <sup>m</sup>								8581	3*	16.5208	14.7416	5	8.3889	2.7245	
Centre	R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. + 70° Plate 1324. 1893, Aug. 2.	R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1242. 1893, June 27.						8582	5	18.9503	14.3460	6	10.8032	2.2538	
8530	9	6.3807	14.2247	9*	22.8017	2.1846		8583	6	19.7991	14.5620	9	11.6589	2.4418	
8531	6	6.6461	14.5009					8584	4	19.9163	14.3003	4	11.7731	2.1778	
8532	62§	8.6504	14.4641	100§	25.0513	2.5618	69 1057 8.2	8585	6	20.1117	14.2190	8	11.0630	2.0910	
8533	22§	9.2012	15.7420	42	25.5193	3.8745	70 1076 9.5	8586	3*	21.8708	14.9313	4†	13.7405	2.7465	
8534	4	4.2394	16.9198					8587	15§	22.0040	14.7243	19§	13.8705	2.5337	
8535	5	5.0841	16.3370	5	21.3709	4.2145		8588	19§	22.6000	14.9038	24§	14.4706	2.6944	
8536	32§	6.7375	16.7660	50§	22.9953	4.7414	70 1075 9.0	8589	118§	22.6890	14.2690	140§	14.5405	2.0573	69 1070 3.8
8537	5	7.7405	16.9448	6*	23.9918	4.9832		8590	16§	10.5886	15.4043	25§	2.4809	3.5784	70 1078 9.5
8538	9	9.1138	16.1467					8591	13	10.8458	15.3583	20	2.7348	3.5226	
8539	13	8.0490	17.6049	18	24.2553	5.6598		8592	9	12.4508	15.4319	12	4.3422	3.5461	
8540	4	8.6093	17.4582					8593	5	13.2145	15.7348	7	5.1145	3.8254	
8541	4	9.6054	17.8728					8594	13	13.7678	14.9760	20	5.6446	3.0480	
8542	25§	4.2620	18.4377	34§	20.4218	6.2568	70 1070 9.1	8595	3*	13.8152	15.1859	4	5.6997	3.2613	
8543	9	5.0068	18.9201	17	21.1335	6.7857		8596	3*	14.0448	15.8221	4	5.9510	3.8849	
8544	24§	5.8895	18.4899	39§	22.0402	6.4112	70 1074 8.9	8597	25§	14.2135	15.1853	33§	6.0965	3.2403	70 1082 8.7
8545	4	8.5912	18.4123					8598	2*	14.2658	15.1920	4	6.1495	3.2495	
8546	4	6.9790	19.6751	4*	23.0537	7.6631		8599	19§	16.0053	15.3783	24§	7.8961	3.3797	70 1083 9.5
8547	6†	7.7829	19.5479	6	23.8650	7.5859		8600	20§	16.1780	15.9165	24§	8.0841	3.9111	
8548	5	8.0837	19.0233					8601	12	17.3013	15.7654	17	9.2006	3.7241	
8549	11	9.3357	19.2018	15	25.4395	7.3347		8602	8	18.2893	15.4357	12	10.1799	3.3630	
8550	11	5.9918	20.4573	15	22.0203	8.3811		8603	16	19.4854	15.4824	19	11.3748	3.3720	
8551	4	6.2966	20.2479	4†	22.3385	8.1899		8604	4	20.8068	15.7556	4	12.7042	3.6030	
8552	4	9.0750	20.7850					8605	4	20.8576	15.6691	5	12.7527	3.5145	
8553	21§	6.1026	21.4776	26§	22.0688	9.4053		8606	3	22.2495	15.5580	4	14.1403	3.3598	
8554	34§	4.5597	22.9444	39§	20.4343	10.7717	70 1071 9.0	8607	10	22.5646	15.6484	11	14.4574	3.4400	
8555	21§	4.5847	22.7655	24§	20.4725	10.5971		8608	4	11.1009	15.9258	4*	3.0133	4.0865	
8556	42§	5.2338	22.9728	60§	21.1065	10.8421	70 1072 8.0	8609	13	11.3496	16.6545	17	3.2830	4.8040	
8557	5*	6.2510	22.7744	5	22.1348	10.7091		8610	25§	11.8171	16.1218	37§	3.7319	4.2565	70 1079 9.3
8558	15	6.9898	22.1074	21§	22.9130	10.0910		8611	3*	13.4493	16.0442	3*	5.3656	4.1249	
8559	18§	8.1422	22.1279	26	24.0640	10.1854		8612	10	14.0674	15.9643	13	5.9765	4.0275	
8560	4	9.0805	22.0725					8613	10	14.1475	16.6226	12	6.0762	4.6827	
8561	23§	9.2007	22.7430	30§	25.0810	10.8623	70 1077 9.5	8614	3	15.1254	16.1583	4	7.0412	4.1839	
8562	10	9.2024	22.6266	9	25.0890	10.7484		8615	7	15.7059	16.0963	9	7.6183	4.1062	
8563	13	9.4180	22.8891	18	25.2879	11.0240		8616				4	7.8083	4.2973	

No. 8589. ε Draconis.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 19 <sup>h</sup> 36 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup> —contd.									R.A. 19 <sup>h</sup> 36 <sup>m</sup> to 19 <sup>h</sup> 50 <sup>m</sup> —contd.								
Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			Centre R.A. 19 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°		
Plate 1324. 1893, Aug. 2.			Plate 2742. 1895, July 7.			Plate 1324. 1893, Aug. 2.			Plate 2742. 1895, July 7.			Plate 1324. 1893, Aug. 2.			Plate 2742. 1895, July 7.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
8617	16	17°6001	16°2317	18	9°5130	4°1803		m.	8676	37§	16°8002	22°4875	44§	8°9145	10°4610	70°1085	8°6
8618	10	18°3948	16°1245	18	10°3056	4°0485			8677	19§	18°4913	22°4139	22§	10°6023	10°3314		
8619	6	19°8454	16°8229	8	11°7766	4°7011			8678	11	23°5918	22°3732	11	15°6981	10°1298		
8620	22§	20°1636	16°4603	26§	12°0840	4°3276	70 1088	9.5	8679	7	11°5972	23°8280	7	3°7533	11°9650		
8621	4	20°8245	16°8137	6	12°7565	4°6609			8680	2*	14°1157	23°0816	4	6°2486	11°1378		
8622	11	21°0727	16°3668	11	12°9913	4°2060			8681	3*	14°6928	23°3621	4	6°8350	11°3997		
8623	16	23°3837	16°7878	18	15°3140	4°5544			8682	3	14°6931	23°8514	4	6°8519	11°8916		
8624	2	23°4056	16°9163	4	15°3391	4°6815			8683	12	14°7238	23°3875	12	6°8670	11°4259		
8625	6	23°9351	16°3884	7	15°8519	4°1375			8684	17§	14°9428	23°9481	18§	7°1036	11°9780		
8626	3	10°6387	17°6407	3	2°6088	5°8103			8685	7	15°0829	23°6767	7	7°2344	11°7025		
8627	3*	10°8188	16°8552	4*	2°7565	5°0239			8686	3	15°7411	23°1704	4	7°8776	11°1759		
8628	6	13°9885	17°4499	10	5°9428	5°5140			8687	6	18°2975	23°9036	6	10°4554	11°8283		
8629	7	14°4644	17°5990	12	6°4250	5°6493			8688	6	19°3497	23°3145	6	11°4882	11°2074		
8630	6	18°9220	17°7790	11	10°8851	5°6862			8689	26§	20°7898	23°8198	27§	12°9428	11°6654	70 1090	9.4
8631	9	12°7626	17°9621	15	4°7350	6°0660			8690	7	20°8075	23°4198	8	14°9492	11°1996		
8632	3†	13°3831	18°6817	4	5°3770	6°7635			8691	9	23°1444	23°2962	8	15°2791	11°0672		
8633	4	13°8365	18°7585	4	5°8358	6°8283			8692	3*	12°9503	24°0386	4	5°1158	12°1323		
8634	17	13°8691	17°9858	20§	5°8427	6°0516			8693	8	14°4504	24°0460	9	6°6162	12°0912		
8635	3*	14°3645	18°6006	4*	6°3557	6°6508			8694	11	15°5489	24°6486	9	7°7325	12°6606		
8636	5	14°5150	18°7407	6	6°5116	6°7870			8695	20§	18°4416	24°0870	20§	10°6049	12°0063		
8637	9	14°9730	18°3639	10	6°9570	6°3965			8696	4	18°7118	24°1502	4	10°8796	12°0605		
8638	4	15°8378	18°1272	4	7°8141	6°1303			8697	4*	21°9149	24°2926	5	14°0843	12°1062		
8639	3*	16°8963	18°2191	5	8°8721	6°1914			8698	12	22°5985	24°4759	10	14°7662	12°2629		
8640	4	20°4904	19°1330	4	12°4954	6°9888			8699	29§	23°6665	24°5190	21§	15°8401	12°2716		
8641	10	21°2441	18°3199	13	13°2241	6°1509			8700				4	4°3974	13°1167		
8642	12	21°9630	18°9660	18§	13°9616	6°7765			8701	24§	17°4115	25°1850	26§	9°6106	13°1372	70 1086	9.5
8643	3	20°1692	20°0050	4	12°2024	7°8728			8702	8	18°4237	25°5085	10	10°6305	13°4258		
8644	6	12°2410	19°3287	7	4°2577	7°4490			8703	22§	22°2297	26°0963	18§	14°4533	13°8945	70 1091	9.5
8645	4*	12°8588	18°9651	4	4°8634	7°0664			R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup>								
8646				4	5°0202	7°1665			Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			Plate 2743. 1895, July 7.		
8647	3*	13°3561	19°0021	4	5°3631	7°0873			8704	19§	3°7876	14°7596	20	16°0890	2°5374		m.
8648	2*	13°4243	19°0086	4	5°4251	7°0892			8705	8	4°4549	14°4345	9	16°7697	2°2472		
8649	8	13°6904	19°2874	10	5°7017	7°3608			8706	21§	4°6032	14°6772	23§	16°9079	2°4956		
8650	2*	14°0398	18°9551	4†	6°0451	7°0162			8707	6	6°5028	15°0451	6	18°7875	2°9558		
8651	4*	21°7953	20°0281	6	13°8258	7°8432			8708	22§	4°0275	15°5158	24§	16°2916	3°3050		
8652	3*	23°4791	19°7144	4	15°5023	7°4775			8709	5	6°6749	15°3274	6	18°9452	3°2459		
8653	18§	10°0958	20°3573	22§	2°1450	8°5451	70 1081	9.2	8710	9	7°7410	15°2241	11	20°0145	3°1936		
8654	11§	10°2152	20°2575	16§	2°2603	8°4391			8711	4*	7°9624	15°5406	5*	20°2195	3°5256		
8655	3*	11°7003	20°0416	5	3°7379	8°1779			8712	6	10°5418	15°5656	9*	22°7939	3°6755		
8656	18§	11°8636	20°1697	28§	3°9049	8°2988			8713	80§	12°9205	15°0035	100§	25°2006	3°2287	69 1084	6.5
8657	18§	14°8295	20°0390	23§	6°8671	8°0772			8714	46§	13°3408	15°0620	78§	25°6159	3°3086	69 1085	8.3
8658	16	16°0635	20°3636	20§	8°1091	8°3607			8715	18	5°6797	16°2043	21§	17°9059	4°0696	70 1095	9.5
8659	6	17°6753	20°6481	6	9°7310	8°5939			8716	23§	6°2101	16°7514	23§	18°4103	4°6437	70 1096	9.5
8660	9	17°7498	20°0588	9	9°7852	8°0030	70 1087	9.5	8717	11	7°3175	16°6490	18§	19°5213	4°5997		
8661	4	17°8283	20°9770	4*	9°8963	8°9170			8718	14	7°6181	16°5619	16	19°8270	4°5252		
8662	13§	19°8197	20°3199	12§	11°8614	8°1989			8719	4	8°6070	16°7311	5	20°8050	4°7379		
8663	5	19°8604	21°0588	4	11°9256	8°9365			8720				6	16°5952	5°8987		
8664	4	12°2401	21°2082	4	4°3158	9°3289			8721	5*	4°6132	17°8665	7	16°7610	5°6788		
8665	4	14°0947	21°3318	5	6°1738	9°3928			8722	5*	5°3336	17°1652	6	17°5166	5°0153		
8666	4	16°4425	21°7629	4	8°5335	9°7474			8723	5*	11°6613	17°0738	9	23°8381	5°2371		
8667	25§	16°8152	21°6111	34§	8°9019	9°5837	70 1084	9.1	8724	5	12°8529	17°4739	6*	25°0094	5°6900		
8668	6	19°9493	21°2520	6	12°0223	9°1262			8725	6	7°3690	18°6854	11	19°4718	6°6332		
8669	4	19°9760	21°6128	5	12°0612	9°4875			8726	6	9°0988	18°4405	9	21°2083	6°4737		
8670	9	21°0333	21°2692	8	13°1057	9°1096			8727	5*	13°1525	18°0037	8	25°2854	6°2359		
8671	8	22°5637	21°9506	7	14°6559	9°7417											
8672	5	22°6230	21°9030	5*	14°7153	9°6918											
8673	6	23°0198	21°8568	7	15°1097	9°6333											
8674	12	13°0790	22°5461	15	5°1973	10°6385											
8675	10	14°1064	22°3830	11	6°2191	10°4417											



## ZONE + 70°.

R.A. 19 <sup>h</sup> 50 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup> —contd.						
Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.							Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2745. 1895, July 7.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
8728	7	13°32'81	18°89'25	13	25°44'61	6°53'41	8781	58§	20°75'15	18°44'76	60§	8°62'92	6°39'51
8729	18§	6°34'20	19°38'41	20§	18°41'12	7°27'87	8782	35§	23°74'57	18°69'62	28§	11°63'30	6°49'34
8730	3*	7°02'39	19°65'52	6	19°08'39	7°58'51	8783	4	16°19'78	19°19'86	5†	4°12'19	7°37'39
8731	20§	7°86'51	19°97'63	23§	19°90'30	7°94'94	8784	11	17°85'39	19°64'78	14	5°79'68	7°73'81
8732	6	12°49'81	19°30'12	(6*)	24°56'33	7°50'13	8785	7	18°15'98	19°30'33	8	6°08'33	7°37'96
8733				4	16°8'345	8°48'56	8786	5	21°35'28	19°58'10	5	9°28'81	7°49'89
8734				4	16°9'265	8°07'20	8787	3	21°74'30	19°36'59	4	9°66'61	7°26'59
8735	3*	8°28'65	20°42'49	4*	20°30'34	8°41'77	8788	4*	22°37'40	19°67'33	4	10°31'22	7°53'65
8736				5†	21°38'19	8°76'13	8789	47§	23°38'85	19°60'42	44§	11°32'42	7°41'73
8737	14	13°02'57	20°75'82	22§	25°01'83	8°98'48	8790	4*	23°36'19	20°33'11	4*	11°33'50	8°14'74
8738	9	13°66'79	20°32'52	12	25°68'44	8°58'41	8791	5	14°95'18	21°21'92	5	2°97'91	9°45'14
8739	15	4°27'40	21°35'59	15	16°24'92	9°15'14	8792	5	15°03'75	20°85'60	5†	3°04'40	9°08'75
8740	4*	4°69'17	21°79'52	6	16°64'63	9°61'26	8793	4*	18°90'19	21°47'29	4*	6°93'34	9°51'02
8741	12	5°21'32	21°82'34	15	17°16'38	9°66'26	8794	8	20°54'81	21°12'41	7	8°56'18	9°08'10
8742	13	5°83'38	21°85'51	13	17°78'33	9°72'41	8795	18	14°36'02	22°46'47	21	2°44'79	10°72'71
8743	7	8°24'21	21°71'71	11	20°19'49	9°70'55	8796	18§	15°29'24	22°22'29	20	3°36'75	10°43'93
8744	6*	8°83'03	21°91'46	7	20°77'10	9°92'93	8797	5	16°81'42	22°35'16	6	4°89'25	10°49'26
8745	12	12°90'59	21°33'52	15	24°86'93	9°55'31	8798	5	16°93'51	21°95'51	5	4°99'53	10°09'01
8746	5	13°35'12	21°13'61	7	25°32'74	9°37'80	8799	4	18°73'98	22°63'88	6	6°82'98	10°68'49
8747	4*	4°16'14	23°05'24	6	16°05'20	10°83'80	8800	12	15°74'24	23°28'82	13	3°86'91	11°48'15
8748	5*	5°74'09	22°96'92	7	17°63'40	10°83'50	8801	23§	17°02'95	23°36'73	22§	5°16'23	11°49'69
8749	5*	5°87'52	22°85'67	6	17°77'66	10°72'71	8802	6	21°13'71	23°77'52	10	9°28'42	11°69'90
8750	7	6°38'21	22°92'55	9	18°27'88	10°82'43	8803	6	16°11'13	24°56'88	7	4°30'51	12°74'04
8751				4	18°43'59	10°58'92	8804	3*	17°41'79	24°45'57	4*	5°60'53	12°56'21
8752				4	18°80'13	10°85'83	8805				6	10°42'68	12°72'54
8753	11	8°05'50	22°02'86	12	19°98'90	10°06'90	8806				5	4°32'56	13°22'50
8754	9	8°33'51	22°21'54	10	20°26'37	10°21'21	8807	14	16°84'85	25°82'29	17	5°10'32	13°95'60
8755	14	10°84'46	22°39'61	17§	22°76'00	10°51'04	8808	4*	17°05'57	25°01'81	4	5°26'76	13°13'74
8756				4	23°43'39	10°32'75	8809				4	10°59'69	13°15'89
8757	9	12°20'84	22°17'54	12	24°13'22	10°35'76	8810				4	10°60'34	13°95'30
8758				7	16°57'02	11°78'24							
8759	27§	5°08'34	23°24'42	22§	16°96'45	11°07'52							
8760				4	18°15'03	11°09'76							
8761	4*	6°39'79	23°63'52	6	18°25'47	11°53'53							
8762				4	20°87'80	11°85'49							
8763				4	23°54'13	11°48'53							
8764				4	23°64'28	11°59'02							
8765	5	11°88'06	24°80'70	5	23°67'87	12°97'13							
8766	14	12°12'22	23°98'85	16	23°95'63	12°16'52							
8767	3*	8°39'17	25°79'41	5	20°14'42	13°77'99							
8768	17	10°25'95	25°03'48	19§	22°04'56	13°11'51							
8769	19§	12°58'73	24°82'50	21§	24°37'83	13°02'55							
R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 10 <sup>m</sup>							R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup>						
Centre R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2743. 1895, July 7.							Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2745. 1895, July 7.						
8770	30§	14°04'42	14°61'96	46§	1°74'01	2°90'59	8811	6	11°51'32	14°09'68	5*	19°64'75	2°13'94
8771	21§	17°92'57	14°11'58	20	5°59'27	2°20'99	8812	19	15°25'30	14°16'84	13	23°38'05	2°33'82
8772	12	21°20'11	15°16'46	12	8°91'42	3°09'44	8813	4	16°81'52	14°78'41			
8773	7	23°26'44	15°85'56	8	11°01'35	3°67'70	8814	9	17°26'23	14°96'20	4*	25°35'94	3°20'12
8774	64§	15°84'35	16°00'45	65§	3°60'81	4°19'77	8815	15	4°56'20	15°28'92	10	12°65'69	3°09'98
8775	4	17°84'24	16°38'37	4	5°62'56	4°47'62	8816	7	8°54'03	15°62'09	6	16°62'25	3°56'70
8776	6	17°97'66	17°59'32	5	5°81'59	5°67'75	8817	33§	16°77'88	15°51'49	42§	24°86'33	3°73'47
8777	4	20°24'57	17°75'52	4	8°09'08	5°73'03	8818	17§	17°19'34	15°16'81	12*	25°29'20	3°40'41
8778	4	14°33'25	18°67'91	4*	2°23'32	6°94'71	8819	5	4°24'48	16°51'52	4*	12°29'90	4°31'70
8779	10	15°04'52	18°47'22	9	2°93'37	6°70'40	8820	21§	6°70'11	16°46'38	20§	14°75'60	4°34'51
8780	4	17°50'21	18°31'75	4	5°38'24	6°43'11	8821	8	6°94'61	16°82'37	7†	14°98'63	4°71'60
							8822	8	6°99'13	16°13'60	6*	15°05'54	4°02'95
							8823	3†	8°06'52	16°20'49	4*	16°12'79	4°13'12
							8824	16§	11°92'02	16°09'72	11	19°98'50	4°15'62
							8825	19§	11°94'43	16°43'05	17	19°99'73	4°48'88
							8826	5†	14°97'35	16°78'79			
							8827	5	13°64'83	17°88'89	4*	21°65'09	6°00'50
							8828	10	15°06'15	17°11'81	7*	23°08'88	5°28'18
							8829	7	17°42'39	17°63'92	4*	25°44'16	5°87'51
							8830	11	5°07'90	18°17'16	7	13°07'50	5°99'78
							8831	9	5°54'09	18°04'38	8	13°54'31	5°88'65
							8832	8	8°88'18	18°02'25	6	16°88'45	5°97'60

No. 8732. Plate 2743. The 6<sup>min.</sup> image coincides with a fault on the plate.  
The diameter given is that of the 3<sup>min.</sup> image.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.

## ZONE + 70°.

							B. D.									B. D.	
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.
R.A. 20 <sup>h</sup> 10 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 30 <sup>m</sup>								
Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			Centre R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +70°			R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					
Plate 2307. 1894, Oct. 25.			Plate 2745. 1895, July 7.			Plate 2307. 1894, Oct. 25.			Plate 2746. 1895, July 7.			Plate 2746. 1895, July 7.					
8833	22§	10°0595	18°0523	20§	18°0595	6°0461	°	m.	8887	19	19°0158	14°3748	21	2°5449	2°5913	69°1104	9°5
8834	18§	10°4903	18°9228	16	18°4607	6°9313			8888	5	21°3349	13°9930	7	4°8329	2°0606		
8835	20§	13°7965	18°3861	19§	21°7824	6°5079			8889	12	21°4483	14°5499	10	4°9823	2°6061		
8836	19§	14°1693	18°8329	18	22°1407	6°9655			8890	20	21°7266	14°8382	20§	5°2778	2°8764		
8837	7	14°8766	18°5724	5	22°8595	6°7345			8891	7	23°5680	14°8308	9	7°1178	2°7513		
8838	21	5°2054	19°1098	18	13°1717	6°9428	70°1109	9°5	8892	10	21°5402	15°6149	11	5°1424	3°6658		
8839	9	6°2896	19°2879	7	14°2476	7°1584			8893	8†	22°4935	15°4619	9	6°0853	3°4503		
8840	13	8°7934	19°2570	12	16°7529	7°2095			8894	51§	22°9578	15°4196	40§	6°5413	3°3753	69°1108	9°0
8841	28§	10°9610	19°9725	25§	18°8916	7°9950	70°1113	9°1	8895	5*	19°9604	16°6849	5†	3°6373	4°8351		
8842	12	12°2245	19°0947	10	20°1881	7°1639			8896	21§	18°4692	17°6563	21§	2°2108	5°9012		
8843	80§	12°3361	19°5949	65§	20°2819	7°6659	70°1115	7°5	8897				4	4°1124	5°2070		
8844	5	12°7020	19°5574	4*	20°6496	7°6399			8898				4	6°4769	5°9002		
8845	10	14°2000	19°0240	7*	22°1634	7°1588			8899	16	23°5679	17°2776	15§	7°2749	5°1945		
8846	8	15°4305	19°4785	7	23°3791	7°6546			8900	21	24°1600	17°7793	17§	7°8948	5°6549		
8847	15	16°1972	19°6300	13	24°1397	7°8291			8901	15	19°1864	18°3756	18§	2°9725	6°5716		
8848	6	17°1617	19°2901	6*	25°1164	7°5257			8902	8	22°2605	18°6878	9	6°0604	6°6857		
8849	13	4°2627	20°6634	9	12°1774	8°4630			8903				4	6°4235	6°2515		
8850	60§	4°3473	20°5689	46§	12°2635	8°3697	70°1108	8°2	8904				4	3°6834	7°1667		
8851	5*	5°2738	20°8841	4	13°1803	8°7164			8905				4	4°4247	7°4801		
8852	30§	8°8023	20°4637	33§	16°7208	8°4137	70°1112	9°2	8906	4	21°2162	19°6725	6	5°0795	7°7314		
8853	12	8°9630	20°8873	10	16°8659	8°8440			8907	22	22°4341	19°7297	20§	6°2998	7°7146		
8854	3†	9°1105	20°2923	4*	17°0339	8°2542			8908				4	6°7084	7°4654		
8855	6	9°8717	20°3668	5*	17°7916	8°3540			8909				4	6°7993	7°3620		
8856	6*	10°3739	20°9961	5	18°2744	9°0000			8910	4	23°3455	19°7081	8	7°2108	7°6350		
8857	8	17°1535	20°7213	7*	25°0614	8°9540			8911	7	24°0355	19°1664	8	7°8603	7°0455		
8858	4	17°2674	20°5807						8912				4	4°4935	8°2392		
8859	7†	6°0599	21°7509	5†	13°9367	9°6111			8913	7	19°0712	21°6237	8	3°0666	9°8196		
8860	6†	9°5630	21°2608	5	17°4515	9°2381			8914				4	5°1558	9°2308		
8861	18	11°6385	21°6577	14	19°5164	9°7046			8915				4	5°2293	9°2023		
8862	18	16°0208	21°3828	16	23°9057	9°5765			8916	6*	21°9749	21°1646	8	5°9400	9°1755		
8863	9	5°5556	22°7681	8	13°3980	10°6148			8917				4	6°3795	9°6865		
8864	20§	15°3552	22°2491	15	23°2109	10°4189			8918	4*	19°0384	22°5287	6	3°0945	10°7249		
8865	66§	7°7187	23°6302	60§	15°5331	11°5419	70°1111	7°8	8919	44§	21°0848	22°2628	30§	5°1201	10°3283	70°1120	9°2
8866	46§	12°0826	23°8908	39§	19°8848	11°9506	70°1114	8°3	8920				4	5°8093	10°7021		
8867	4	13°8782	23°4261	4*	21°6978	11°5478			8921				4	7°1365	10°8283		
8868	9	14°0010	23°2055	8	21°8265	11°3316	70°1116	9°5	8922	5	18°3233	23°2760	9	2°4297	11°5173		
8869	21§	15°3610	23°6499	20§	23°1710	11°8172			8923				4	3°9404	11°1214		
8870	46§	17°1673	23°0123	44§	24°9978	11°2430	70°1118	7°8	8924				4	5°3029	11°8163		
8871	12	17°6125	23°4199	10†	25°4273	11°6659			8925				7	6°8597	11°4641		
8872				5	12°7864	12°4977			8926				5	2°2477	12°8424		
8873	6*	6°2321	24°8341	4*	14°0034	12°6979			R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 49 <sup>m</sup>								
8874	31	6°8503	24°3015	20§	14°6402	12°1857			Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					
8875	15	8°5637	24°1862	11	16°3600	12°1286			Plate 2294. 1894, Oct. 16.			Plate 2746. 1895, July 7.					
8876	17	8°7222	24°1111	15	16°5181	12°0583			8927	7	4°8601	14°4528	9	8°9890	2°3362	°	m.
8877	5*	15°1007	24°0035	4	22°8961	12°1654			8928	5	5°4424	14°1690	5	9°5784	2°0633		
8878	12	15°3965	24°5676	10	23°1737	12°7377			8929	4	6°7771	14°5439	4	10°9038	2°4563		
8879	4*	15°6710	24°7423	4*	23°4397	12°9225			8930	3*	9°6226	14°1243	4*	13°7514	2°0811		
8880	16	16°1428	24°2252	15	23°9296	12°4198			8931	4	10°1362	14°6367	4	14°2604	2°6032		
8881	15	4°5184	25°0428	12	12°2857	12°8470			8932	4	12°0557	14°4257	8	16°1839	2°4209		
8882	3*	5°1116	25°8226	4*	12°8505	13°6470			8933	3	13°3396	14°3360	3*	17°4710	2°3541		
8883	12	5°6534	25°0948	9	13°4161	12°9381			8934	8	14°9270	14°8595	11	19°0472	2°8953		
8884	3*	7°3719	25°2182	5*	15°1305	13°1197			8935	10	15°2184	14°1890	14	19°3496	2°2286		
8885	16	9°0993	25°9985	12	16°8314	13°9578			8936	11	16°4496	14°1985	20	20°5806	2°2612		
8886	4*	9°5256	25°2663	4	17°2826	13°2394			8937	18§	17°3512	14°5296	24	21°4774	2°6067		
									8938	53§	5°6909	15°6119	55§	9°7993	3°5054	69°1110	8°3



## ZONE + 70°.

R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 2294. 1894, Oct. 16.				Plate 2746. 1895, July 7.				Plate 2294. 1894, Oct. 16.				Plate 2746. 1895, July 7.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 49 <sup>m</sup> —contd.								R.A. 20 <sup>h</sup> 30 <sup>m</sup> to 20 <sup>h</sup> 49 <sup>m</sup> —contd.							
Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. +70°								Centre R.A. 20 <sup>h</sup> 40 <sup>m</sup> Dec. +70°							
Plate 2294. 1894, Oct. 16.								Plate 2294. 1894, Oct. 16.							
R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°								R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°							
Plate 2746. 1895, July 7.								Plate 2746. 1895, July 7.							

Plates 2294, 2746. Nos. 8988, 8997, 9034, 9035, 9044, 9050, are measured also on Plates 2853, 4549.

No. 8965. B. D. 69° 1131. The declination given in the B. D. appears to be about 3' too small.

No. 8938 and 9037. B. D. 70° 1145, 70° 1131. The declination given in the B. D. appears in both cases to be about 2' too small.

1 réseau interval represents very nearly 5' = 58.5 at Dec. +70°, and 61.4 at Dec. +71°.

## ZONE + 70°.

R.A. 20 <sup>h</sup> 48 <sup>m</sup> to 21 <sup>h</sup> 12 <sup>m</sup>							R.A. 20 <sup>h</sup> 48 <sup>m</sup> to 21 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>						
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2853. 1895, Sept. 18.				R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 4549. 1898, July 8.			Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2853. 1895, Sept. 18.				R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 4549. 1898, July 8.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B. D.							B. D.						
No. Mag.							No. Mag.						
9051	10	2.6692	14.2320				9108	7	5.8825	18.8674			
9052	14	3.4504	14.3264	9	3.3805	2.3946	9109	5	9.6122	18.5964	6	9.5404	6.6601
9053	14	3.8800	14.3766	9	3.8103	2.4467	9110	4	10.7926	18.3589	3*	10.7184	6.4252
9054	5	4.9923	14.1813				9111	4	10.9800	18.3519	2*	10.9063	6.4152
9055	6	6.2280	14.6534				9112	5	11.0678	18.9113	4†	10.9981	6.9752
9056	4	6.4068	14.1304				9113	13	12.1581	18.1364	18§	12.0842	6.1996
9057	5	7.0103	14.5038	4*	6.9383	2.5734	9114	4†	12.4544	18.2167	4*	12.3805	6.2823
9058	15	8.2591	14.7565	20	8.1871	2.8250	9115	4	12.7795	18.3583	3*	12.7062	6.4236
9059	18§	8.7600	14.5880	24§	8.6883	2.6554	9116	40§	17.7898	18.3199	53§	17.7195	6.3843
9060	4†	8.8587	14.2627				9117	37§	18.0270	18.9077	54§	17.9553	6.9730
9061	40§	10.7395	14.5527	47§	10.6663	2.6150	9118	6	19.6061	18.5234	4*	19.5336	6.5899
9062	12	14.5119	14.8525	14	14.4406	2.9153	9119	16	23.6793	18.4005	19	23.6070	6.4648
9063	4	19.0667	14.5243				9120	5	24.3132	18.3828			
9064	7	19.3713	14.5460	5*	19.3024	2.6077	9121	13	24.5401	18.3654	13	24.4688	6.4267
9065	65§	25.0226	14.5089	92§	24.9550	2.5741	9122	27	25.4465	18.4891	29§	25.3768	6.5520
9066	12	3.6495	15.1634	6*	3.5795	3.2354	9123	10	3.4905	19.6038	9	3.4198	7.6692
9067	16	4.0361	15.4749	16	3.9673	3.5444	9124	19§	6.5770	19.8526	20§	6.5029	7.9162
9068	7	5.5991	15.2005	3*	5.5284	3.2649	9125	4*	7.1072	19.5937	4*	7.0323	7.6585
9069	9	8.2128	15.5192	8	8.1407	3.5853	9126	4*	9.5186	19.6737	4*	9.4468	7.7378
9070	5	9.3508	15.0855	4*	9.2780	3.1480	9127	18§	9.6135	19.7022	19§	9.5405	7.7656
9071	8	10.1218	15.3401	8	10.0495	3.4051	9128	6	9.8195	19.7199	5†	9.7487	7.7850
9072	3	12.3694	15.4846				9129	9	10.0598	19.2096	12	9.9860	7.2750
9073	4*	13.8971	15.4797	3*	13.8274	3.5442	9130	6	10.8176	19.5398	7	10.7491	7.6053
9074	19	16.2202	15.9935	24§	16.1505	4.0555	9131	6	14.3301	19.2266	6*	14.2594	7.2895
9075	4	17.6359	15.2192	4*	17.5654	3.2852	9132	6	16.2015	19.2841	4†	16.1296	7.3476
9076	5	18.7275	15.7294	4*	18.6584	3.7934	9133	12	21.7183	19.7608	12	21.6463	7.8255
9077	5	19.3909	15.6824	4*	19.3211	3.7425	9134	7	23.4450	19.9485	5*	23.3730	8.0142
9078	9	19.6109	15.6700	7	19.5400	3.7327	9135	72§	24.7786	19.1362	85§	24.7098	7.1991
9079	10	20.2254	15.4029	8	20.1531	3.4650	9136	21	25.0466	19.4549	24	24.9758	7.5193
9080	10	23.7828	15.2669	6*	23.7095	3.3322	9137	5*	3.7936	20.9047	4*	3.7202	8.9732
9081	4	2.1985	16.2749				9138	18	5.5160	20.0200	17	5.4428	8.0855
9082	7	6.1436	16.7646	4*	6.0727	4.8298	9139	8	6.0900	20.4271	8	6.0155	8.4949
9083	9	9.3400	16.6029	7	9.2685	4.6650	9140	6*	6.3244	20.9011	4*	6.2518	8.9652
9084	11	9.5595	16.2023	13	9.4849	4.2653	9141	6	8.9490	20.9755	4*	8.8744	9.0422
9085	5	11.1700	16.4160	4*	11.0984	4.4816	9142	17	9.1860	20.5777	20§	9.1127	8.6443
9086	12	11.9751	16.0285	13§	11.9020	4.0950	9143	11	10.9123	20.9227	11	10.8392	8.9868
9087	12	12.9188	16.9177	14§	12.8469	4.9818	9144	5	11.7548	20.9745	4*	11.6809	9.0410
9088	4†	14.5488	16.1867	4*	14.4762	4.2501	9145	6	12.5192	20.4087	4*	12.4484	8.4747
9089	17	17.8070	16.6612	22§	17.7360	4.7248	9146	52§	12.8298	20.8198	64§	12.7564	8.8853
9090	9	19.9645	16.7261	10	19.8948	4.7918	9147	8	16.7457	20.1554	7	16.6753	8.2179
9091	2†	20.1201	16.7856				9148	8	17.5427	20.1111	6	17.4722	8.1745
9092	13	20.6458	16.1285	13	20.5763	4.1944	9149	18§	18.5103	20.3696	20§	18.4396	8.4322
9093	20§	21.4046	16.2646	34§	21.3346	4.3270	9150	6	19.1136	20.3424	5†	19.0413	8.4047
9094	21§	22.6497	16.1056	33§	22.5791	4.1716	9151	7	21.3446	20.1871	5†	21.2736	8.2488
9095	5	23.0263	16.3477	4*	22.9579	4.4127	9152	16	21.6179	20.7559	19	21.5472	8.8234
9096	16	23.1085	16.2746	17	23.0365	4.3353	9153	13	3.6351	21.4447	11	3.5642	9.5133
9097	20§	6.7821	17.3448	21§	6.7113	5.4117	9154	7*	3.7647	21.2837	4*	3.6884	9.3478
9098	4*	6.9421	17.4442	4	6.8702	5.5063	9155	7	4.1131	21.6944	5†	4.0394	9.7613
9099	12	8.4899	17.9180	13	8.4188	5.9850	9156	6	6.0913	21.9970	5	6.0195	10.0650
9100	21§	8.5190	17.8824	26§	8.4458	5.9466	9157	7	10.1389	21.2439	8	10.0678	9.3065
9101	7	8.9598	17.7977	9	8.8871	5.8646	9158	9	12.1586	21.9427	7	12.0835	10.0055
9102	11	11.8289	17.8751	13	11.7567	5.9384	9159	11	15.4038	21.0766	9	15.3345	9.1427
9103	23§	13.3670	17.2545	36§	13.2980	5.3163	9160	9	17.4723	21.7983	11	17.4002	9.8634
9104	5	14.2501	17.5563	4	14.1797	5.6230	9161	4*	18.6248	21.4227	4*	18.5584	9.4854
9105	15	22.0733	17.5509	21§	22.0040	5.6147	9162	4	20.0815	21.6732	4*	20.0134	9.7352
9106	6	23.0363	17.2394	5*	22.9684	5.3032	9163	6	20.9632	21.1037	6	20.8903	9.1689
8988	38§	2.2823	18.4053	48§	2.2111	6.4709	9164	20	21.0413	21.0722	20	20.9691	9.1359
8997	8	2.8024	18.9450	6	2.7274	7.0120	9165	5	24.3933	21.4965	4*	24.3194	9.5561
9107	16	4.9266	18.2382	19§	4.8537	6.3046	9166	7*	24.7471	21.1540	5*	24.6744	9.2167

No. 9116. This appears to be a double star whose images are not separable and are measured as one mass. The components are approximately equal, and the 20<sup>s</sup> images show them to be separated by +.0040, and +.0064 in the *x* and *y* co-ordinates respectively.

Plates 2853, 4549. Nos. 9122, 9204, are also measured on plates 2314 and 2773.

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 20 <sup>h</sup> 48 <sup>m</sup> to 21 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 11 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> —contd.												
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 2853. 1895, Sept 18.				R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 4549. 1898, July 8.				Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2314. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2773. 1895, Aug 4.								
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.						
B. D.								B. D.												
No. Mag.								No. Mag.												
9167	9	4°33'01	22°94'68	9	4°25'88	11°01'53	°	m.	9216	26§	7°46'37	15°64'07	38§	3°42'29	3°81'74	69°11'54	9'4			
9168	18	8°46'57	22°79'42	18§	8°39'17	10°85'78			9217	6†	11°97'31	15°32'64	12	7°92'91	3°42'52					
9169	13	9°49'70	22°32'76	10	9°42'35	10°39'44			9218	16	12°68'79	15°57'49	23§	8°64'78	3°66'13					
9170	8	10°86'79	22°86'69	6	10°79'86	10°93'38			9219	3*	14°46'86	15°24'88	4	10°42'38	3°30'22					
9171	33§	11°60'26	22°59'73	41§	11°52'98	10°66'46	70°11'55	8'7	9220	16	16°68'28	15°23'39	5	12°38'77	3°84'83					
9172	8	15°05'11	22°15'23	7	14°98'13	10°21'58			9221	16	16°68'28	15°23'39	20§	12°63'47	3°25'07					
9173	4†	16°30'88	22°37'93	3*	16°23'74	10°44'52			9222	3*	19°08'42	15°44'68	5*	15°04'28	3°42'01					
9174	7	19°16'45	22°88'58	6*	19°08'99	10°95'52			9223	18§	19°99'63	15°89'78	24§	15°95'95	3°85'53					
9175	21	21°83'81	22°90'79	18	21°76'53	10°97'30			9224	34§	21°47'26	15°44'68								
9176	7*	21°99'76	22°55'58	7	21°92'16	10°62'14			9225	210§	21°52'05	15°46'15	245§	17°47'54	3°38'83	69°11'73	3'0			
9177	19	22°62'01	22°16'04	20	22°54'93	10°22'50			9226	4*	7°13'27	15°89'12	7*	3°09'88	4°07'51					
9178	10	22°90'65	22°61'44	9	22°83'66	10°67'61			9227	4*	7°19'26	16°45'61	6*	3°16'58	4°63'76					
9179	6†	23°74'45	22°86'53	7	23°67'14	10°93'13			9228	3*	8°11'43	16°36'69	4*	4°08'63	4°53'37					
9034	12	2°77'28	23°38'90	11	2°70'16	11°45'55			9229	5*	10°55'27	16°46'86	10	6°52'79	4°59'20					
9035	5*	3°08'91	23°86'87	5*	3°01'79	11°93'52			9230	24§	11°52'69	16°74'28	30§	7°50'60	4°84'67	70°11'77	9'5			
9180	23	6°01'98	23°11'05	28§	5°94'68	11°17'76	70°11'49	9'5	9231	4*	11°88'86	16°35'39	5	7°87'28	4°45'50					
9181	23	6°19'08	23°45'07	22	6°11'92	11°51'55			9232	3†	12°83'56	16°33'46	6	8°80'92	4°41'75					
9182	16	7°92'66	23°76'40	17	7°85'41	11°82'96			9233	3*	13°55'90	16°84'07	6	9°53'63	4°91'13					
9183	18	7°94'92	23°15'69	12§	7°87'89	11°22'48			9234	9	13°58'94	15°96'63	13*	9°55'68	4°03'56					
9184	14	10°83'24	23°69'45	14	10°76'11	11°75'86			9235	3*	15°69'30	16°37'43	4	11°66'67	4°40'81					
9185	40§	19°10'79	23°87'67	52§	19°03'28	11°94'50	70°11'63	8'7	9236	7	18°09'76	16°90'25	11	14°07'83	4°89'34					
9186	8	19°32'91	23°64'53	6	19°25'65	11°71'20			9237	22§	18°31'59	16°72'10	28§	14°29'36	4°70'70					
9044	41§	2°96'74	24°44'54	31§	2°89'73	12°51'47	70°11'46	9'5	9238	8	19°41'59	16°27'84	15	15°38'80	4°24'61					
9187	42§	4°70'94	24°52'43	40§	4°63'63	12°59'03	70°11'48	9'0	9239	8	21°09'90	16°61'78	14	17°07'53	4°55'61					
9188	4*	5°34'66	24°74'00	4†	5°27'77	12°80'72			9240	3*	5°57'32	17°25'73	5*	1°56'32	5°46'84					
9189	6†	6°53'08	24°09'38	6*	6°45'92	12°16'47			9241	9	5°84'99	17°12'73	13	1°83'82	5°33'13					
9190	9	8°72'58	24°53'52	9	8°65'22	12°60'03			9242	4*	7°46'57	17°17'27	7*	3°45'36	5°35'00					
9191	4*	9°00'56	24°59'47	4*	8°92'99	12°66'40			9243	3*	8°96'17	16°94'07	7	4°94'68	5°09'27					
9192	18§	9°80'19	24°21'45	20	9°72'90	12°27'94	70°11'53	9'5	9244	5	12°63'16	16°98'55	11	8°61'50	5°07'31					
9193	62§	17°11'01	24°93'37	80§	17°03'38	12°99'50	70°11'59	7'7	9245	5	14°37'53	16°95'32	8	10°35'68	5°00'83					
9194	5*	22°11'43	24°58'20	5	22°04'05	12°64'66			9246	18	14°40'69	17°66'27	21§	10°49'18	5°71'74					
9195	18	22°56'78	24°11'38	17	22°49'60	12°17'48			9247	3*	15°82'96	17°44'21	4	11°82'10	5°47'15					
9050	30	3°27'87	25°35'26	22§	3°20'73	13°41'67			9248	10	17°91'39	17°44'30	17§	13°90'55	5°43'66					
9196	5*	8°80'77	25°69'37	4†	8°73'54	13°75'72			9249	3*	21°44'21	17°84'78	5	17°43'99	5°77'81					
9197	12	9°21'68	25°37'95	10	9°14'52	13°44'55			9250				5	17°73'85	5°86'53					
9198	23	9°56'65	25°60'45	29	9°49'39	13°66'54	70°11'52	9'5	9122	22§	5°21'16	18°31'49	32§	1°21'84	6°53'14	70°11'72	9'5			
9199	5*	9°57'72	25°36'57	4*	9°50'79	13°43'31			9251	3*	6°70'62	18°65'88	6*	2°71'76	6°85'38					
9200	19	13°28'42	25°00'63	20§	13°21'22	13°07'00			9252	9	8°71'78	18°00'83	15	4°71'94	6°16'29					
9201	5†	18°31'95	25°44'44	5*	18°24'91	13°51'07			9253	4*	9°23'71	18°81'78	7	5°25'41	6°96'62					
9202	58§	21°01'43	25°74'47	41§	20°94'08	13°80'56	70°11'67	8'0	9254	7	9°71'92	18°23'16	13	5°72'53	6°36'84					
9203	72§	24°25'06	25°88'96	48§	24°17'45	13°95'15	70°11'70	8'5	9255	4*	14°12'18	18°45'63	7	10°13'20	6°51'77					
9204				6	25°26'85	13°47'11			9256	3*	17°91'33	18°01'03	4*	13°91'34	6°00'36					
R.A. 21 <sup>h</sup> 11 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup>								9257	7	20°63'37	18°55'97	17	16°64'07	6°50'67						
Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2314. 1894, Oct. 28.				R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2773. 1895, Aug. 4.				Centre R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2773. 1895, Aug. 4.				9258	82§	23°77'01	18°66'34	85§	19°77'72	6°55'46	70°11'83	7'2
												9259	5*	6°42'97	18°86'64	7	2°44'99	7°06'37		
												9260	3*	8°10'77	19°05'49	5*	4°12'91	7°22'26		
												9261	4*	8°17'20	19°78'99	6	4°20'44	7°95'96		
												9262	10	8°39'16	19°79'00	17	4°42'46	7°94'89		
												9263	8	10°27'62	18°93'14	15	6°29'36	7°05'98		
												9264	3*	10°91'06	19°64'70	4*	6°93'45	7°75'90		
												9265	26§	13°17'14	19°07'30	32§	9°20'66	7°98'45	70°11'79	9'4
												9266	3*	13°82'31	19°07'33	4	9°84'26	7°13'66		
												9267	8	15°18'90	19°52'48	9	11°21'75	7°56'46		
												9268	23§	17°48'73	19°18'95	27§	13°50'70	7°18'89	70°11'80	9'5
												9269	4*	17°70'16	19°18'39	5	13°72'16	7°18'11		
												9270	3*	18°76'19	19°25'46	6	14°78'32	7°23'31		
												9271	3*	21°77'20	19°61'53	5	17°79'85	7°54'43		
												9272				4	19°09'58	7°57'58		
												9273	4*	23°93'37	19°44'31	10	19°95'81	7°33'38		

Nos. 9220, 9221. Plate 2314. The images are not separable but are measured as one mass. No. 9224,  $\beta_2$  Cephei. No. 9225,  $\beta_1$  Cephei. The 6<sup>min.</sup>, 3<sup>min.</sup> and 20<sup>sec.</sup> images of this star overlap on both plates. The 3<sup>min.</sup> image of  $\beta_2$  Cephei can be distinguished on plate 2314, but neither image can be measured on plate 2773. The image of  $\beta_2$  Cephei is so much involved with those of  $\beta_1$  that its measure is uncertain.

1 réseau interval represents very nearly 5' = 58".5 of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.

## ZONE + 70°.

R.A. 21 <sup>h</sup> 11 <sup>m</sup> to 21 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 30 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			
Plate 2314. 1894, Oct. 28.				Plate 2773. 1895, Aug. 4.				Plate 2315. 1894, Oct. 28.				Plate 2773. 1895, Aug. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
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1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 50 <sup>m</sup> —contd.						
Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 21 <sup>h</sup> 40 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			
Plate 2315. 1894, Oct. 28.			Plate 2774. 1895, Aug. 4.				Plate 2315. 1894, Oct. 28.			Plate 2774. 1895, Aug. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No. Mag.							No. Mag.						
9380				4	10°25'81	2°15'34							
9381	20§	19°54'00	14°26'50	21§	11°37'15	2°15'59							
9382	7	19°92'42	14°47'19	11	11°76'14	2°35'17							
9383	5	19°93'25	14°74'02	8	11°77'71	2°61'98							
9384	7	20°15'96	15°06'80	13	12°01'50	2°93'92							
9385				4†	12°94'74	2°40'38							
9386	12	10°30'72	14°84'72	16*	2°15'82	3°03'31							
9387	4	10°73'79	14°87'79	6*	2°59'15	3°05'26							
9388	4*	14°64'31	15°91'50	6	6°52'72	3°96'10							
9389	8	16°07'92	15°31'32	13	7°94'61	3°31'46							
9390	4*	16°30'34	15°93'20	5	8°18'68	3°92'50							
9391				4	10°83'08	3°84'59							
9392	5	18°94'52	16°08'25	8	10°83'19	3°99'20							
9393	39§	20°44'21	15°17'28	43§	12°29'94	3°03'40	69 1199	9°0					
9394				4†	13°42'55	3°13'57							
9395	4	10°20'70	16°34'79	6*	2°10'68	4°53'16							
9396	3*	11°88'47	16°79'11	6*	3°79'73	4°92'36							
9397	8	13°09'74	16°26'08	8	4°99'43	4°35'47							
9398	4*	13°50'80	16°70'02	6	5°42'11	4°78'27							
9499	13	14°09'36	16°43'58	14	5°99'55	4°49'81							
9400	3*	14°76'80	16°13'65	5†	6°66'33	4°17'76							
9401	7	16°24'51	16°38'94	10	8°14'51	4°38'51							
9402	4	17°60'18	17°02'20	8	9°51'80	4°97'30							
9403	2*	19°36'06	17°01'51	4	11°27'55	4°91'40							
9404	3*	21°03'62	16°37'95	5	12°93'20	4°22'49							
9405				4	13°53'95	4°41'49							
9406	25§	22°11'03	16°50'20	25§	14°00'98	4°31'12	70 1197	9°5					
9407	6	22°20'23	16°73'77	10	14°10'93	4°54'52							
9408	2*	23°72'43	16°67'57	6	15°63'86	4°43'83							
9409	3*	12°07'99	17°37'90	4*	4°01'21	5°50'57							
9410	4*	13°56'33	17°22'80	4	5°48'94	5°30'70							
9411	10	13°69'76	17°08'00	18	5°62'12	5°15'46							
9412				4	5°89'73	5°26'40							
9413				4†	6°51'50	5°70'80							
9414				5	7°67'67	5°58'62							
9415	9	20°32'14	18°11'74	12	12°27'12	5°98'38							
9416	3*	20°65'56	17°65'78	5	12°58'90	5°51'57							
9417	36§	22°17'32	17°51'72	35§	14°10'25	5°32'45	70 1198	9°1					
9418	4*	10°89'97	18°12'70	7	2°85'96	6°29'21							
9419	10	12°51'19	18°03'63	13	4°46'53	6°14'73							
9420	47§	13°01'88	17°91'02	60§	4°96'68	6°00'60	70 1192	7°0					
9421	3*	14°53'66	18°57'68	4	6°50'66	6°62'47							
9422	9	16°36'75	18°37'02	11	8°32'62	6°36'05							
9423	4*	16°90'92	18°75'44	7	8°88'13	6°72'62							
9424				3†	9°35'73	6°23'52							
9425	19	18°36'39	18°32'43	22§	10°32'27	6°25'21							
9426	23§	19°43'97	18°69'72	23§	11°41'12	6°59'09	70 1196	9°3					
9427	7	20°68'29	18°17'10	8	12°63'42	6°02'50							
9428	6	20°68'66	18°17'01	7	12°63'88	6°02'45							
9429				4	13°19'22	6°56'19							
9430				5	14°06'28	6°00'68							
9431	17	10°66'12	19°21'71	21	2°65'14	7°38'47							
9432	3*	11°95'22	19°64'67	5†	3°96'19	7°77'19							
9433	5	15°27'22	19°04'90	8	7°25'40	7°07'23							
9434	3*	16°83'61	19°19'75	5	8°82'20	7°17'23							
9435	12	18°00'68	19°22'71	16	9°99'05	7°16'60							
9436				4	10°95'32	7°49'06							
9437				4	12°21'08	7°73'86							
9438	8	20°22'95	19°70'57	12	12°23'08	7°57'54							
R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup>							R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup>						
Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			
Plate 4569. 1899, July 19.			Plate 2774. 1895, Aug. 4.				Plate 4569. 1899, July 19.			Plate 2774. 1895, Aug. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No. Mag.							No. Mag.						
9487	6	5°30'84	14°00'33	5*	17°68'70	1°87'10							
9488	6	7°36'24	14°47'07	6†	19°71'42	2°44'56							
9489	7	10°29'98	14°39'92	7	22°65'29	2°53'08							
9490	4	10°63'62	14°10'86										
9491	10	11°48'19	14°36'38	8	23°83'28	2°55'68							

1 réseau interval represents very nearly 5' = 58°.5 at Dec. +70°, and 61°.4 at Dec. +71°.

## ZONE + 70°.

R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 21 <sup>h</sup> 50 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. +71°							
Plate 4569. 1899, July 19.			Plate 2774. 1895, Aug. 4.				Plate 4569. 1899, July 19.			Plate 2774. 1895, Aug. 4.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
9492	4	12.2718	14.9290					9551	20	6.8197	24.3826	17	18.6488	12.3167			
9493	23§	12.2772	14.6610	30	24.6143	2.8968		9552	4	7.3421	23.8306	5	19.2009	11.7914			
9494	21§	4.1786	15.6143	19§	16.4759	3.4177		9553	18	8.0755	23.5976	11	19.9425	11.5967			
9495	6	4.8992	15.4057	5*	17.2088	3.2468		9554	11	9.7475	23.8449	9	21.5987	11.9327			
9496	9	5.6759	15.9353	9	17.9545	3.8180		9555	13	9.7675	23.1480	11	21.6572	11.2386			
9497	6	6.3012	15.4499	5*	18.6064	3.3679		9556	7	11.3723	23.2802	6	23.2535	11.4547			
9498	5	6.9130	15.9695	5*	19.1903	3.9181		9557	4†	11.5405	23.4496	4	23.4149	11.6339			
9499	7	7.6692	15.7671	6	19.9540	3.7567		9558	5	12.6419	23.6329	4*	24.5003	11.8781			
9500	6*	10.7113	15.9038	5*	22.9818	4.0577		9559	11	4.8431	24.0538	8	16.6891	11.8801			
9501	4	11.1440	15.0643					9560	20§	7.6392	24.8307	14	19.4432	12.8038			
9502	20§	11.9092	15.6402	21	24.1941	3.8541		9561	25§	9.3074	24.4690	22§	21.1265	12.5309			
9503	19	13.1754	15.2495	21	25.4836	3.5303		9562	4	9.3268	24.0732	5	21.1687	12.1381			
9504	5	4.6682	16.5906	5	16.9147	4.4169		9563	36§	7.7128	25.2298	28§	19.4923	13.2075	70 1205 9.5		
9505	9	6.4640	16.9843	9	18.6864	4.9060		9564	20	8.0453	25.7888	12	19.7949	13.7838			
9506	6	11.1766	16.2563	5	23.4318	4.4310		R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> .									
9507	11	11.6515	16.1939	11*	23.9088	4.3942		Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +70°			R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> .			
9508	22§	4.4926	17.2136	19	16.7040	5.0310	70 1203 9.5	Plate 4569. 1899, July 19.			Plate 2871. 1895, Sept. 21.			Plate 4569. 1899, July 19.			
9509	12	7.1645	17.3843	12	19.3628	5.3461		9565	20§	17.5358	13.9783	16	5.2797	2.1659			
9510	4	7.3350	17.1983	4*	19.5421	5.1682		9566	5	14.3749	14.8838						
9511	16§	7.4087	17.4482	17§	19.6036	5.4223		9567	10	17.1636	14.9940	9	4.9590	3.1995			
9512	6	7.4691	17.4969	6†	19.6593	5.4742		9568	8	20.1086	14.0098	5†	7.8491	2.0749			
9513	10	9.4875	17.1449	9	21.6908	5.2788		9569	6	21.0716	14.7840	4	8.8589	3.0033			
9514	(6)	11.0109	17.8555	8*	23.1792	6.0162		9570	6	22.0869	14.5099	5†	9.8506	2.4790			
9515	6	12.2053	17.2107	6*	24.4074	5.4361		9571	15	23.4506	14.9790	14	11.2354	2.8805			
9516	5	12.2149	17.3105	6*	24.4119	5.5367		9572	10	17.1771	15.0040	7	4.9710	3.2054			
9517	46§	3.8585	18.0065	36§	16.0290	5.7882	70 1202 9.1	9573	10†	17.3049	15.2428	7	5.1077	3.4387			
9518	5	5.6002	18.8781					9574	4	17.5189	15.4709	4	5.3321	3.6569			
9519	5	6.1283	18.8432	5*	18.2493	6.7454		9575	4*	17.7197	15.2639	4†	5.5231	3.4396			
9520	4*	7.7527	18.7887	4*	19.8773	6.7815		9576	6	18.3699	15.6275	4†	6.1907	3.7731			
9521	7	9.2817	18.4262	8	21.4231	6.4955		9577	33§	18.8190	15.4610	29§	6.6290	3.5824	69 1220 9.3		
9522	48§	10.8809	18.8053	46§	22.9990	6.9580	70 1208 9.0	9578	9	23.2703	15.4966	6	11.0809	3.4068			
9523	9	11.2460	18.6198	7	23.3747	6.7946		9579	5	23.4996	15.3462	4	11.3020	3.2464			
9524	36§	11.8637	18.5558	37§	23.9930	6.7647	70 1209 9.0	9580	4†	23.8875	15.7716	4	11.7071	3.6524			
9525	6	12.6455	18.5992	5*	24.7732	6.8498		9581	5	24.1832	15.5349						
9526	14	12.8607	18.8974	17	24.9723	7.1578		9582	5	14.2666	16.6684						
9527	12§	13.4039	18.8004	16	25.5189	7.0913		9583	94§	19.1663	16.4171	73§	7.0218	4.5227	69 1221 6.8		
9528	4*	3.9852	19.5639	3†	16.0732	7.3536		9584	38§	19.3771	16.0268	30§	7.2160	4.1216	69 1222 9.3		
9529	3	8.1663	19.0910	4*	20.2731	7.1051		9585	27§	20.3357	16.8291	19§	8.2112	4.8774			
9530	10	8.5214	19.3592	8	20.6152	7.3882		9586	4	20.8716	16.7539	4	8.7425	4.7763			
9531	5	4.8892	20.2870	5	16.9361	8.1227		9587	43§	21.2869	16.8862	30§	9.1635	4.8885	70 1217 9.0		
9532	4*	8.8110	20.6839	4	20.8307	8.7265		9588	4*	22.1385	16.0818	4	9.9773	4.0480			
9533	8	9.5476	20.2735	11	21.5899	8.3544		9589	10	22.8819	16.1061	7	10.7208	4.0353			
9534	10	7.9845	21.3757	10	19.9705	9.3757		9590	6	23.1284	16.8817	4*	11.0028	4.7968			
9535	5	8.4158	21.3497	6	20.4045	9.3683		9591	4*	14.7690	17.1541	4	2.6674	5.4671			
9536	31§	8.5349	21.2675	28§	20.5257	9.2922	70 1206 9.5	9592	13	15.1818	17.5695	12	3.1012	5.8654			
9537	5	10.4134	21.7827	6	22.3745	9.9090		9593	6	19.7127	17.6479	6	7.6305	5.7261			
9538	7	11.2280	21.7488	6	23.1898	9.9172		9594	5	19.8906	17.4000	6	7.7948	5.4687			
9539	5	12.0607	21.2626	6	24.0467	9.4746		9595	23§	20.2964	17.3007	17§	8.1947	5.3530			
9540	4*	6.5102	22.6909	4	18.4288	10.6072		9596	16	20.9207	17.3378	13	8.8197	5.3588			
9541	4	6.6796	22.7888	4	18.5947	10.7138		9597	6	21.4492	17.4060	5	9.3506	5.4015			
9542	5	8.1272	22.9525	3	20.0308	10.9567		9598	25§	22.9793	17.0794	18§	10.8646	5.0028			
9543	3*	8.1602	22.0800	3	20.1112	10.0886		9599	4†	14.8214	18.6881	5†	2.7984	6.9991			
9544	10	9.6407	22.0766	10	21.5886	10.1630		9600	30§	14.9166	18.6679	25§	2.8885	6.9748	70 1211 9.5		
9545	6	11.7519	22.8917	6	23.6515	11.0866		9601	4†	16.3495	18.1889	4†	4.2948	6.4292			
9546	11	11.9138	22.7441	13	23.8222	10.9472		9602	17§	17.2672	18.2146	17§	5.2136	6.4083			
9547	23§	12.8091	22.1426	23	24.7480	10.3945		9603	8	17.2917	18.0173	8	5.2304	6.2099			
9548	5	13.7787	22.1762	4*	25.7133	10.4794											
9549	28§	4.2599	23.7333	16§	16.1256	11.5293											
9550	4	5.3986	23.5425	4	17.2693	11.3992											

No. 9514, Plate 4569. The diameter given is that of the 3<sup>min</sup>. image.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 10 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 70° Plate 4569. 1899, July 19.				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
9604	5	18°1211	18°0536	4	6°0610	6°2087		9657	4	15°4893	14°2207	5	23°6977	2°4958			
9605	13	22°3709	18°5511	9	10°3268	6°5035		9658	5	16°8044	14°3759						
9606	5†	14°6863	19°4541	4	2°6939	7°7709		9659	4	17°1662	14°6390	4*	25°3602	2°9715			
9607	8	15°2369	19°6307	13	3°2542	7°9226		9660				4	15°3425	3°0935			
9608	14§	18°6849	19°6962	12	6°6974	7°8214		9661	6	7°3906	15°2835	15	15°5716	3°3038			
9609	28§	18°6951	19°6714	21§	6°7055	7°7952	70 1214	9.5	9662	11	7°8753	15°7130	21§	16°0425	3°7463		
9610	23§	20°5755	19°0778	16§	8°5600	7°1129	70 1216	9.5	9663	13	8°2525	15°8588	22§	16°4152	3°9043		
9611	4*	20°5863	19°4675	4	8°5875	7°5014		9664	9	9°0540	15°0825	20	17°2404	3°1531			
9612	17§	21°3911	19°5112	12	9°3926	7°5062		9665	3*	9°2532	14°9720	7	17°4457	3°0515			
9613	74§	22°9305	19°8495	60§	10°9466	7°7722	70 1222	7.7	9666	3	9°8758	15°2194	7	18°0564	3°3167		
9614	9	14°8221	20°6764	10	2°8900	8°9853		9667	12	11°7032	15°4184	23§	19°8764	3°5751			
9615	6	18°2362	20°4042	6	6°2854	8°5494		9668	13	11°7582	15°3717	22§	19°9345	3°5284			
9616	6	18°8736	20°5400	5	6°9305	8°6551		9669	9	13°0400	15°2080	21	21°2199	3°4066	69 1242	9.5	
9617	12	19°9713	20°9555	10	8°0457	9°0195		9670	7	17°1134	15°5228	12	25°2775	3°8510			
9618	4*	21°8586	20°4647	4	9°0606	8°4342		9671	4	17°1813	14°8504	5*	25°3701	3°1839			
9619	11	23°0790	20°5075	7	11°1264	8°4210		9672				4	12°5396	4°1931			
9620	14	19°8899	21°5853	8	7°9933	9°6491		9673	19	4°4488	16°5525	23§	12°5917	4°4765	70 1223	9.5	
9621	15	20°2018	21°3765	11	8°2969	9°4276		9674				6	13°3455	4°5001			
9622	20§	20°5613	21°4028	12	8°6564	9°4369		9675	14	6°2752	16°2978	21§	14°4240	4°2817	69 1235	9.5	
9623	74§	22°5099	21°7043	65§	10°6138	9°6439	70 1221	7.7	9676			6	17°1440	4°2729			
9624	6	23°8409	21°7767	6	11°9505	9°6523		9677	3	9°3358	16°7461	7	17°4689	4°8238			
9625	17	14°4570	22°8580	16	2°6289	11°1838		9678				4	17°5758	4°6885			
9626	22§	14°5497	22°7397	19	2°7142	11°0613		9679	6	9°5630	16°8962	11	17°6902	4°9833			
9627	8	15°2636	22°8146	7	3°4319	11°1012		9680	5*	10°2172	15°9570	8	18°3777	4°0618			
9628	13	15°3187	22°8763	11	3°4905	11°1618		9681	4*	8°0480	17°2885	7	16°1648	5°3257			
9629	4	17°7032	22°7420	4	5°8672	10°9119		9682	3*	8°4400	17°5228	6	16°5508	5°5747			
9630	8	19°0188	22°8861	7	7°1876	10°9925		9683	12	8°5060	17°0533	20§	16°6297	5°1072			
9631	28§	20°2814	22°8491	18§	8°4446	10°8967		9684	3†	10°9368	17°5339	8	19°0430	5°6642			
9632	7	20°7129	22°9080	5	8°8772	10°9328		9685				5	19°2444	5°8276			
9633	4	20°7661	22°4033	3	8°9107	10°4264		9686	34§	11°3205	17°5131	38§	19°4268	5°6543	70 1229	8.8	
9634	6	15°0183	23°3964	5	3°2149	11°6925		9687	9	11°3927	17°8259	16	19°4883	5°9710			
9635	15	16°5262	23°6564	12	4°7331	11°8787		9688	12	14°5203	16°9875	28§	22°6397	5°2325	70 1232	9.4	
9636	5	18°4796	23°0456	4	6°6542	11°1747		9689	5	15°6138	17°4041	7	23°7213	5°6834			
9637	22§	20°2105	23°4781	16§	8°4063	11°5282		9690	84§	17°4999	17°0525	100§	25°6187	5°3888	70 1240	6.0	
9638	4	20°2439	23°7436	4	8°4516	11°7922		9691	4	11°3023	18°2504	16	19°3859	6°3919			
9639	40§	21°3370	23°9227	26§	9°5499	11°9161	70 1218	9.5	9692	13	11°8088	18°5394	21§	19°8848	6°6979		
9640	5*	22°8098	23°8769	4	11°0165	11°7941		9693				4	20°3697	6°7973			
9641	8	23°0846	23°7593	6	11°2923	11°6734		9694	6	12°3124	18°3336	14	20°3933	6°5046			
9642	4*	23°2438	23°4997	4	11°4360	11°4055		9695	3	12°5096	18°7764	9	20°5746	6°9540			
9643	9	23°5668	23°1471	6	11°7415	11°0333		9696				4	20°8064	6°0853			
9644	16	16°1581	24°8351	12	4°4223	13°0730		9697	4	13°6084	18°0123	15	21°6970	6°2287			
9645	17	17°4438	24°3638	13	5°6834	12°5403		9698	4	13°9853	18°4413	12	22°0630	6°6702			
9646	14	19°5572	24°4637	11	7°8006	12°5404		9799	18	14°7206	18°5187	27§	22°7943	6°7708			
9647	9	19°9700	24°0489	6	8°1930	12°1066		9700	28§	14°7219	18°5321	40§	22°7971	6°7830	70 1233	9.0	
9648	11	20°8410	24°3786	6	9°0812	12°3940		9701	5	16°6464	18°5685	8	24°7169	6°8781			
9649	41§	21°9207	24°1000	31§	10°1430	12°0648	70 1219	9.0	9702	8	16°7889	18°4268	12	24°8647	6°7418		
9650	7	22°2455	24°1244	6	10°4717	12°0728		9703	5	17°3508	18°3959	9	25°4280	6°7297			
9651	28§	18°7327	25°6428	20§	7°0350	13°7575	70 1215	9.5	9704	3*	6°0535	19°0601	5*	14°1118	7°0370		
9652	12	20°7688	25°5196	8	9°0598	13°5376		9705	7	6°7200	19°7714	11	14°7549	7°7667			
R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup>								9706				3	15°3315	7°7239			
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.				9707	2*	7°3377	19°4810	6	15°3812	7°4992			
Plate 2309. 1894, Oct. 27.				Plate 2871. 1895, Sept. 21.				9708				5	15°4544	7°1676			
9653	8	6°7391	14°7573	17	14°9353	2°7554		9709	3*	7°5530	19°4680	6	15°5996	7°4908			
9654	3	8°8516	14°7176	4	17°0490	2°7845		9710				4	15°7665	7°3413			
9655	3†	9°9823	14°1685	6	18°1951	2°2619		9711				4	16°5389	7°3433			
9656	19§	12°8309	14°2589	36§	21°0409	2°4497	69 1244	9.5	9712	12	8°9928	19°3486	18§	17°0420	7°4177		
								9713				4	18°2417	7°9158			
								9714	4	10°3608	19°4086	7	18°4084	7°5195			
								9715				3	18°5976	7°9813			

1 réseau interval represents very nearly 5' = 58.5 at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.				Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.				R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 10 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.								Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.									
R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.								R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2871. 1895, Sept. 21.									
9716	6	11°3751	19°6177	15	19°4176	7°7616	°	m.	9775	12	12°1307	25°6765	18§	19°9765	13°8385	°	m.
9717	13	13°8704	19°5768	25§	21°9118	7°7968			9776	15	13°9620	24°9169	20§	21°8328	13°1404		
9718	20§	14°4077	19°1996	28§	22°4591	7°4399			9777				5	24°5866	13°0108		
9719	4	14°4548	19°1646	8	22°5080	7°4064			9778	3*	17°7954	25°3055	11	25°6486	13°6489		
9720				5	12°3903	8°3869			R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup>								
9721	8	5°7823	20°8979	15	13°7850	8°8630			Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.								
9722				4	15°6618	8°0148			R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 2943. 1895, Nov. 14.								
9723	5	8°8105	20°5069	8	16°8242	8°5675			Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. + 70° Plate 2309. 1894, Oct. 27.								
9724				3	17°7102	8°8809			R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 2943. 1895, Nov. 14.								
9725	4	11°4019	20°4794	6	19°4150	8°6225			9779	5	18°4526	14°7047	7	2°1600	2°8313	°	m.
9726	3*	11°6315	20°4690	7	19°6460	8°6193			9780				9	5°4475	2°8808		
9727	4*	11°7844	20°1131	6	19°8111	8°2665			9781	15	22°3016	14°9268	25	6°0115	2°7956		
9728	5*	13°1125	20°0372	12	21°1405	8°2359			9782	10	22°7661	14°1672	24	6°4245	2°0073		
9729	6	13°8481	20°0050	16	21°8760	8°2265			9783				6	6°4508	2°4237		
9730	17§	15°1855	20°3335	25§	23°2012	8°5955			9784	27§	23°9985	15°0303	42§	7°7103	2°7847		
9731	64§	16°0658	20°3735	73§	24°0813	8°6632	70 1236	7.8	9785				4†	2°4133	3°3838		
9732	3	16°1471	20°1298	5	24°1698	8°4262			9786				5	3°1305	3°5178		
9733	24§	17°0581	19°8979	41§	25°0865	8°2200	70 1239	9.4	9787	40§	20°5111	15°3671	62§	4°2506	3°3536	69 1253	8.3
9734				3	13°0250	9°2845			9788	10	23°9165	16°1364	20§	7°7027	3°8952	69 1261	9.3
9735				4	13°7925	9°5208			9789				6	7°8360	3°6379		
9736	6	9°3364	21°9052	12	17°3057	9°9845			9790				6	7°9011	3°6163		
9737	3*	11°1411	21°8088	6	19°1117	9°9423			9791	9	20°2722	16°8756	20§	4°1159	4°7745		
9738	35§	16°3486	21°1114	46§	24°3402	9°4100	70 1238	8.7	9792				6	4°2424	4°6930		
9739				6	24°7139	9°8093			9793	4	20°5195	16°6152	9	4°3464	4°6001		
9740				8	14°7714	10°9646			9794				4†	4°5188	4°3341		
9741				4	14°9418	10°5967			9795	9	21°4753	17°0310	18	5°3260	4°9461		
9742	10	8°4156	22°1621	15	16°3784	10°2109			9796	13	22°4026	16°1922	24§	6°1953	4°0514		
9743	8	8°5149	22°6273	13	16°4632	10°6804			9797				6	6°2246	4°9577		
9744	6	8°6829	22°8346	12	16°6220	10°8908			9798				5	6°6712	4°9840		
9745	4	9°3637	22°4669	8	17°3142	10°5483			9799	14	18°5833	17°5062	24§	2°4706	5°6158		
9746				4	20°1003	10°8873			9800	58§	19°3485	17°4353	75§	3°2289	5°4945	70 1243	7.7
9747	4*	14°4566	21°7748	6	22°4273	10°0145			9801				4	4°7400	5°7499		
9748	4	16°2372	22°0531	10	24°1998	10°3507			9802	12	21°2032	17°6039	22§	5°0925	5°5396		
9749	5	17°5527	21°9073	10	25°5188	10°2464			9803	10	21°3058	17°4843	18	5°1865	5°4135		
9750	3*	5°3128	23°5987	8	13°2278	11°5475			9804	14	22°0465	17°2373	22§	5°9104	5°1269		
9751				4	14°0366	11°7389			9805				4	4°2926	6°8316		
9752	4†	6°9709	23°5741	9	14°8882	11°5755			9806				9	5°3711	6°7527		
9753	21	9°3434	23°0646	21§	17°2742	11°1452	70 1227	9.5	9807				7	5°5165	6°0168		
9754				4	17°8355	11°3466			9808				13	7°2296	6°4687		
9755				4	18°5475	11°8209			9809				5	2°1843	7°7096		
9756	7	11°8126	23°3011	12	19°7331	11°4567			9810	4*	18°3150	19°8050	5*	2°3603	7°9258		
9757	8	14°4451	23°4127	15	22°3635	11°6509			9811	25§	18°3206	19°7950	41§	2°3610	7°9169	70 1241	9.0
9758	63§	15°7638	23°4148	66§	23°6821	11°6914	70 1234	7.0	9812	15§	18°3332	19°7856	24§	2°3718	7°9065		
9759	14	16°8307	22°7295	23§	24°7693	11°0468			9813				9	2°4852	7°8359		
9760	4	17°1310	23°4196	12	25°0480	11°7419			9814	12	19°4848	19°2857	24§	3°4895	7°3351		
9761	4*	4°5391	24°9995	11	12°4134	12°9211			9815	20§	20°1288	19°1728	33§	4°1239	7°1753	70 1244	9.2
9762				11	13°1112	12°0530			9816	9	20°1533	19°4614	19	4°1691	7°4634		
9763				4	15°2875	12°3299			9817	4*	21°5434	19°7488	12	5°5734	7°6551		
9764				6	16°9825	12°0195			9818				7	6°8332	7°0170		
9765				5	19°6084	12°4463			9819				10	6°8980	7°5901		
9766	6	15°1949	23°7492	13	23°1012	12°0113			9820				6	2°8173	8°6343		
9767				4	23°9123	12°2095			9821	8	19°5291	20°7897	21	3°6329	8°8283		
9768	4*	17°1019	24°0805	8	25°0000	12°4052			9822	3*	21°5645	20°6426	13	5°6573	8°5507		
9769				6	12°4575	13°7061			9823				4	7°3548	8°5956		
9770	8*	5°8913	25°1905	15	13°7532	13°1542			9824				4	3°2673	9°7456		
9771				4	14°5665	13°9427			9825				6	4°1245	9°5998		
9772	5*	7°6811	25°6585	10	15°5317	13°6794			9826				5	4°1727	9°3925		
9773	5	8°8090	25°3951	10	16°6670	13°4538			9827				6	4°3845	9°2649		
9774	4*	11°6929	25°2216	8	19°5562	13°3702											

No. 9758, B.D. 70°1234. The declination given in the B.D. appears to be about 2<sup>m</sup>. too small.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> —contd.								
Centre R.A. 22 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2309. 1894, Oct. 27.				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2943. 1895, Nov. 14.				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3264. 1896, Sept. 30.				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2943. 1895, Nov. 14.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	
9828				11	4.4754	9.2865	° m.	9881				4	14.9377	2.5468	° m.	
9829				10	4.6779	9.5906		9882	3*	11.8500	14.5907	4	16.1207	2.4616		
9830				10	6.1233	9.3539		9883	4	13.2249	15.0952	14	17.4843	2.9918		
9831				14	6.5761	9.1561		9884	27§	16.4095	14.9098	52§	20.6711	2.8667	69 1278 8.7	
9832				4	6.9533	9.1192		9885	4	17.2082	14.7580	12	21.4729	2.7346		
9833				4	7.0130	9.5548		9886	13	19.2372	14.4442	42	23.5075	2.4579		
9834				4	7.0413	9.6749		9887	9	20.4068	14.5783	17	24.6748	2.6190		
9835				5	7.7299	9.2958		9888	16	22.2583	14.2362	48	26.5331	2.3118		
9836				7	7.8204	9.3254		9889	16	4.1780	16.2121	25§	8.4152	3.9297		
9837				5	2.3802	10.8866		9890	3*	6.1692	15.9271	8	10.4147	3.6875		
9838				7	4.4337	10.9968		9891	3†	6.2695	15.6126	6	10.5208	3.3720		
9839				7	4.6482	10.3153		9892	4	8.0245	16.0558	9	12.2629	3.8487		
9840	4*	22.1677	22.8893	15	6.4078	10.7519		9893				6	13.2386	3.8008		
9841				9	3.0675	11.2048		9894	4	10.1192	16.0045	14	14.3604	3.8395		
9842				6	3.1287	11.0733		9895				4	14.6350	3.4281		
9843	27§	18.9433	23.6117	33§	3.2366	11.6849	70 1242 9.5	9896	8	10.5959	15.8315	20	14.8399	3.6757		
9844				8	3.8953	11.4605		9897	5	10.6598	15.4956	17	14.9115	3.3425		
9845				4	4.3129	11.3998		9898	3*	11.0135	15.1798	7*	15.2714	3.0330		
9846	26§	20.7695	23.6791	32§	5.0647	11.6294	70 1247 9.3	9899	4	11.6055	15.7954	12	15.8508	3.6621		
9847	31§	21.8164	23.3620	36§	6.0890	11.2459	70 1249 9.0	9900	3	12.3864	15.4208	10	16.6390	3.2993		
9848				9	2.9158	12.4871		9901	4	14.0490	15.8876	15	18.2928	3.8029		
9849				5	3.6415	12.7930		9902	4	14.8889	15.5245	12	19.1384	3.4518		
9850	9	19.5115	24.5576	17	3.8678	12.5943		9903	4*	19.0780	15.8855	8	23.3187	3.8995		
9851				7	4.2387	12.0273		9904	6*	4.3390	17.0951	13	8.5589	4.8157		
9852	9	19.8760	24.8145	17	4.2504	12.8227		9905	3*	5.6500	16.2684	6	9.8858	4.0158		
9853				4	6.6302	12.6652		9906	10	5.8082	16.7202	19	10.0355	4.4713		
9854				7	7.7332	12.8542		9907	2*	7.3173	16.7019	4	11.5466	4.4858		
9855				4	7.7900	12.8893		9908				5	12.2938	4.1165		
9856				8	3.6912	13.3616		9909	21§	8.3484	16.4643	34§	12.5791	4.2651	69 1272 9.3	
9857				4	3.6952	13.4046		9910	4	9.3253	17.1002	7	13.5466	4.9210		
9858				5	3.9016	13.5900		9911				4	13.6728	4.5753		
9859				12	5.0660	13.6465		9912	4	9.4990	16.2768	8	13.7339	4.1005		
9860				6	5.6633	13.4402		9913				6	14.5226	4.1144		
9861				5	6.2598	13.0300		9914	4	12.8097	16.3232	12	17.0438	4.2102		
9862	13	22.1498	25.5934	23§	6.5709	13.4467		9915	6	13.0461	16.3318	20	17.2810	4.2230		
9863				4	6.8020	13.6654		9916	6	13.2220	16.5527	17	17.4531	4.4483		
9864				5	7.9010	13.2617		9917				4	17.4831	4.6396		
R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup>								9918	9	13.8897	17.0466	23§	18.1082	4.9573	70 1264 9.5	
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3264. 1896, Sept. 30.				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2943. 1895, Nov. 14.					9919	3†	14.1519	16.1011	6	18.3920	4.0178	
9865	4*	4.3110	14.1136	6	8.5906	1.8336	° m.	9920	6	15.5395	16.8722	17	19.7617	4.8157		
9866	4	5.4030	14.1133	8	9.6832	1.8534		9921	5	16.8418	16.9823	15	21.0654	4.9503		
9867	15	6.0530	14.0650	28§	10.3337	1.8198		9922	15	16.8507	16.2914	30§	21.0855	4.2597		
9868	13	7.1563	14.1955	29§	11.4314	1.9720		9923	7	17.2324	16.9268	15	21.4555	4.9064		
9869	3*	10.4287	14.0596	5†	14.7075	1.8995		9924	7	18.1138	16.3848	24§	22.3480	4.3789		
9870	11	10.7804	14.0540	26§	15.0606	1.9010		9925				4	22.5280	4.4102		
9871	7	4.6604	14.5623	15	8.9289	2.2905		9926				4	24.3164	4.7311		
9872	4	5.9510	14.5367	8	10.2235	2.2934		9927				5	8.3158	5.9845		
9873	10	6.5631	14.9040	22§	10.8260	2.6696		9928				4	9.9785	5.0800		
9874	5	7.9203	14.2656	20	12.1973	2.0593		9929				4	11.7143	5.8328		
9875	17§	8.4933	15.1393	28§	12.7510	2.9423		9930	3*	8.3970	17.2536	8	12.6136	5.0560		
9876	5	8.9572	14.7036	18§	13.2238	2.5174		9931				4	14.2922	5.1874		
9877	3*	9.4983	14.8246	4*	13.7603	2.6508		9932				4	14.3883	5.7272		
9878	4*	9.5515	15.0345	5	13.8120	2.8600		9933	4	10.3632	17.8246	9	14.5698	5.6621		
9879	10	10.0653	14.6199	24	14.3343	2.4537		9934	6	10.5503	17.2166	16	14.7651	5.1608		
9880	13	10.5619	14.7667	25§	14.8279	2.6116		9935	8	11.0562	17.8596	18	15.2594	5.7150		
								9936	20§	13.7011	17.9344	30§	17.9040	5.8391	70 1263 9.5	
								9937				4	20.1683	5.5597		
								9938				5	20.4294	5.6033		
								9939	4	16.2505	17.1635	10	20.4690	5.1168		

Plates 3264, 2943. Nos. 9888, 10042, 10071, 10072, 10073, 10100, 10101, 10102, 10160, 10177, 10178, 10179, 10180, 10181, 10183 are also measured on plates 2372, 2908.

1 Réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			
Plate 3264. 1896, Sept. 30.				Plate 2943. 1895, Nov. 14.				Plate 3264. 1896, Sept. 30.				Plate 2943. 1895, Nov. 14.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 70°.

R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>								R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>									
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3264. 1896, Sept. 30.				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2943. 1895, Nov. 14.				Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 3264. 1896, Sept. 30.				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2943. 1895, Nov. 14.					
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.			
B. D.								B. D.									
No.				Mag.				No.				Mag.					
10058	6	11°0058	22°1083	10	15°1264	9°9608	°	m.	10118	18§	12°2144	24°0915	21	16°2948	11°9673	70°1261	m.
10059	3*	11°2071	21°9066	5	15°3312	9°7644			10119				4	17°3347	11°8385		
10060				4	16°5047	9°4724			10120	17	13°8895	23°4138	22§	17°9830	11°3227		
10061	6	12°4861	21°7750	12	16°6126	9°6584			10121	3	14°3614	24°0183	4	18°4444	11°9376		
10062	3†	12°9012	21°5317	5	17°0330	9°4195			10122				4	18°8582	11°1973		
10063	3*	14°2504	21°6687	6	18°3804	9°5856			10123	2*	15°1106	23°7260	7	19°1977	11°6599		
10064	12	14°6735	21°3954	21§	18°8086	9°3197			10124	6	16°0265	23°8458	13	20°1116	11°7977		
10065	5	15°0503	21°4674	8	19°1839	9°3996			10125				4	20°7835	11°1089		
10066	20§	15°1094	21°6554	30§	19°2379	9°5895	70 1265	9.3	10126	9	17°3091	23°7048	12	21°3973	11°6829		
10067				4	19°3889	9°4318			10127				6	21°6710	11°7315		
10068	4	17°2986	21°9360	13	21°4199	9°9155			10128				10	21°8726	11°7113		
10069				4	22°6701	9°5096			10129				5	23°1583	11°1955		
10070	6	21°0731	21°7226	17	25°1979	9°7730			10130	3*	19°1997	23°9771	6	23°2826	11°9903		
10071	18	21°6875	21°1608	38§	25°8225	9°2248	70 1277	9.5	10131				7	24°7777	11°1430		
10072	9	21°7873	21°9225	25	25°9078	9°9885			10132	4*	21°5247	23°3051	11	25°6229	11°3681		
10073	9	22°1113	21°3359	26	26°2458	9°4100			10133				3	8°2331	12°3986		
10074	3*	22°1611	21°1352	7	26°2965	9°2110			10134				5	11°4798	12°4617		
10075	4*	22°7553	21°5153	4*	26°8846	9°6011			10135				6	11°5865	12°6446		
10076	11	4°5787	22°4655	18§	8°6926	10°1898			10136	3*	7°6490	24°6661	7	11°7192	12°4517		
10077	11	4°9430	22°8501	18§	9°0497	10°5819			10137	5	8°9485	24°2435	12	13°0257	12°0540		
10078	4*	5°2190	23°1987	7	9°3199	10°9379			10138	6	9°4517	24°9758	12	13°5160	12°7992		
10079	6	5°2934	22°6384	12	9°4022	10°3805			10139				4	13°5938	12°3411		
10080				4	9°4844	10°2173			10140				5	13°7160	12°6108		
10081				6	9°8172	10°7357			10141				4	13°7344	12°4095		
10082	21§	7°9398	22°9950	30§	12°0425	10°7834	70 1255	9.3	10142	15	9°7039	24°7650	20§	13°7736	12°5924		
10083				3	13°1914	10°7018			10143				4	14°1794	12°0589		
10084	12	9°9958	22°9785	20§	14°0994	10°8113			10144	6†	10°3636	24°9424	12	14°4283	12°7804		
10085	5	10°4959	23°0473	8	14°5980	10°8905			10145				3	15°1479	12°9258		
10086	17§	11°0268	22°4150	24§	15°1400	10°2676			10146	23§	11°4711	24°5050	31§	15°5464	12°3663	70 1259	9.3
10087	4	11°1393	23°1056	8	15°2397	10°9601			10147				4	16°1444	12°4384		
10088	5	11°2081	22°7768	8	15°3144	10°6354			10148	2*	12°7478	24°6756	4	16°8145	12°5672		
10089				4	17°6955	10°1506			10149	5	14°3514	24°1686	10	18°4325	12°0882		
10090	7	14°1386	22°3638	14	18°2533	10°2786			10150	3*	14°9705	24°7166	4	19°0387	12°6500		
10091				6	19°4969	10°3606			10151	5	15°6659	24°7468	12	19°7333	12°6914		
10092	5*	15°4915	22°4438	8	19°6072	10°3863			10152				6	20°2919	12°9295		
10093	4†	15°8578	22°1238	7	19°9775	10°0720			10153	3*	17°0985	24°9451	10	21°1608	12°9206		
10094				4	20°6355	10°7826			10154	5*	17°3329	24°9331	13	21°3982	12°9115		
10095	5†	16°9163	22°3871	8	21°0312	10°3559			10155				5	21°7778	12°7001		
10096				8	21°8024	10°1781			10156	3*	19°3813	24°4683	7	23°4539	12°4861		
10097	22§	19°2830	22°9287	34§	23°3859	10°9465			10157	5*	19°5173	24°5911	12	23°5868	12°6108		
10098	6	19°7608	22°1115	18	23°8792	10°1374			10158	13	19°9688	24°4174	23	24°0403	12°4473		
10099	4†	20°5899	22°7437	11	24°6962	10°7858			10159				10	26°2860	12°4806		
10100	17	21°6186	22°5255	32§	25°7279	10°5890			10160	7	22°5208	24°8673	25	26°5843	12°9479		
10101	37§	21°7631	22°3082	59§	25°8791	10°3754	70 1276	8.5	10161				8	9°1034	13°5970		
10102	8	21°8612	22°5270	23	25°9745	10°5959			10162	25§	5°4605	25°5312	24§	9°5129	13°2723		
10103				5	9°1576	11°3513			10163	18	7°5100	25°7592	22§	11°5591	13°5399		
10104	12	5°1229	23°3117	21§	9°2203	11°0480			10164				4	15°4080	13°8228		
10105				4	10°7601	11°1644			10165				6	18°8866	13°5401		
10106				6	11°9645	11°2989			10166	4†	15°1355	25°8181	7	19°1834	13°7518		
10107	35§	7°8795	23°9045	45§	11°9646	11°6926	70 1254	8.7	10167				4	19°5282	13°6992		
10108	4*	7°9411	23°6024	7	12°0337	11°3952			10168				4	19°7051	13°3968		
10109	19	9°7503	23°1894	27§	13°8493	11°0178			10169	4*	15°7539	25°5061	9	19°8054	13°4548		
10110	3*	9°8100	23°8471	4	13°8960	11°6805			10170				4	20°6677	13°2910		
10111	19	10°1703	23°7454	29§	14°2561	11°5834	70 1256	9.2	10171	3*	16°8469	25°9456	6	20°8917	13°9125		
10112	7	10°7013	24°1348	11	14°7838	11°9803			10172	3*	16°8406	25°4115	7	20°8952	13°3775		
10113	2*	11°4063	23°2569	3	15°5044	11°1102			10173	4*	17°0375	25°1467	11	21°0954	13°1177		
10114	2*	11°4488	23°2452	4	15°5502	11°1077			10174	4	18°1906	25°6065	11	22°2400	13°6017		
10115	23§	11°5406	23°8356	27§	15°6255	11°6985	70 1260	9.4	10175	5	19°9798	25°6164	16	24°0280	13°6473		
10116	4	11°7027	23°3049	8	15°8001	11°1682			10176	5†	20°2833	25°1903	15	24°3424	13°2263		
10117	8	11°9110	23°2843	11	16°0103	11°1523											

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. +70° and 61.4 at Dec. +71°.

## ZONE + 70°.

							B. D.									B. D.	
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Mag.
R.A. 22 <sup>h</sup> 30 <sup>m</sup> to 22 <sup>h</sup> 49 <sup>m</sup> — <i>contd.</i>									R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>								
Centre R.A. 22 <sup>h</sup> 40 <sup>m</sup> Dec. +70°				R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				
Plate 3264. 1896, Sept. 30.				Plate 2943. 1895, Nov. 14.					Plate 2372. 1894, Nov. 21.				Plate 2908. 1895, Oct. 4.				
10177	6*	21°40'74	25°15'73	18	25°46'25	13°21'42	°	m.	10228	5	15°27'91	16°20'29	4	15°03'83	4°27'47	°	m.
10178	6*	21°50'93	25°51'96	19	25°55'99	13°58'07			10229	13	15°46'99	16°80'73	10	15°23'19	4°88'00		
10179	9	21°81'14	25°62'45	22	25°86'19	13°68'84			10230	18§	16°37'24	16°82'68	15	16°13'44	4°99'43		
10180				10	26°11'47	13°61'58			10231	29§	17°38'37	16°43'08	25§	17°14'49	4°49'48	69 1306	9'4
10181				9	26°27'69	13°94'47			10232	19	23°04'75	16°65'29	12	22°80'88	4°69'22	69 1315	9'5
10182	2*	22°23'80	25°56'58	7	26°28'55	13°64'07			10233	13	23°52'16	16°58'94	8*	23°28'13	4°62'45		
10183	7*	22°26'27	25°87'56	19	26°30'53	13°95'48			10234	26	23°59'71	16°35'75	25	23°35'40	4°39'39	69 1317	9'2
R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup>									10235	4*	24°10'42	16°35'95	5*	23°86'78	4°38'96		
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +70°				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71°					10236	7	3°04'40	17°16'91	6	2°80'78	5°30'53		
Plate 2372. 1894, Nov. 21.				Plate 2908. 1895, Oct. 4.					10237	4*	4°61'93	17°28'33	4*	4°38'74	5°40'92		
9888	19	2°07'95	14°37'40	11	1°82'88	2°51'63	°	m.	10238	5*	5°36'77	17°27'48	5*	5°13'30	5°39'38		
10184	5	7°60'94	14°03'20	4*	7°35'85	2°14'38			10239	7	5°50'22	17°39'66	6	5°26'67	5°51'76		
10185	10	9°63'08	14°16'45	6*	9°37'91	2°26'41			10240	4	6°52'03	17°46'36	4	6°28'46	5°58'19		
10186	4†	11°08'57	14°12'29	3*	10°83'43	2°21'26			10241	9	7°99'60	17°22'05	6	7°75'99	5°33'19		
10187	31§	11°81'88	14°72'10	25§	11°57'06	2°81'11	69 1296	9'3	10242	5	9°26'37	17°64'19	5	9°02'88	5°74'34		
10188	5	12°40'90	14°49'60	4*	12°16'01	2°58'38			10243	7	9°27'40	17°20'71	6	9°03'60	5°31'10		
10189	22§	13°40'23	14°30'42	17	13°15'14	2°48'61	69 1299	9'5	10244	7	9°81'96	17°73'38	5	9°58'69	5°83'44		
10190	28§	14°87'59	14°87'40	24§	14°62'99	2°94'73			10245	18§	9°98'43	17°11'79	15	9°74'76	5°22'01	70 1292	9'2
10191	17§	15°75'89	14°05'68	10	15°50'66	2°12'75			10246	14	11°96'68	17°57'01	8	11°73'10	5°65'88		
10192	8	16°40'83	14°36'49	6*	16°15'84	2°43'38			10247	4	12°66'96	17°55'33	4*	12°43'84	5°63'78		
10193	24§	19°66'15	14°33'36	17§	19°41'11	2°38'57	69 1309	9'5	10248	4	12°76'49	17°22'61	6	12°52'78	5°30'92		
10194	5	21°05'47	14°79'60						10249	8	13°81'69	17°27'01	6	13°58'05	5°34'98		
10195	5	21°32'98	14°38'44	5*	21°07'85	2°43'23			10250	9	16°04'68	17°34'92	7	15°81'14	5°42'05		
10196	6	22°06'55	14°41'20	4*	21°81'23	2°45'33			10251	5	16°08'17	17°23'30	4	15°84'60	5°30'20		
10197	21§	22°24'56	14°52'28	13	21°99'65	2°56'37	69 1313	9'5	10252	15	16°59'77	17°35'40	12	16°36'14	5°42'20		
10198	21	23°25'14	14°96'15	12	23°00'13	2°99'73	69 1316	9'4	10253	3*	17°37'80	17°14'95	4	17°13'97	5°21'60		
10199	7	4°44'05	14°98'55	4*	4°19'29	3°11'23			10254	5	17°91'02	17°17'02	4	17°67'40	5°23'31		
10200	15§	4°94'98	15°22'38	15	4°70'23	3°34'74			10255	9	18°81'24	17°87'20	7	18°57'87	5°92'85		
10201	4	5°19'79	15°81'65	3*	4°95'36	3°93'94			10256	9	18°94'85	16°97'20	6	18°71'06	5°02'65		
10202	20	5°61'23	15°23'30	13	5°36'51	3°35'37	69 1287	9'4	10257	7	19°25'20	17°56'01	6	19°01'73	5°61'50		
10203	13	9°56'21	15°55'20	10	9°31'55	3°65'37			10258	15	21°32'41	17°85'34	11	21°08'94	5°89'72		
10204	5	11°26'56	15°74'35	4	11°02'45	3°83'66			10259	5	22°06'42	16°99'83	5*	21°82'60	5°04'23		
10205	4*	12°04'28	15°30'73	4*	11°80'06	3°39'47			10260	19	22°89'71	17°76'65	11	22°66'11	5°80'37		
10206	21§	13°05'25	15°34'85	16§	12°80'60	3°43'34			10261	5*	24°09'92	17°06'59	6*	23°86'14	5°09'59		
10207	5	14°23'84	15°46'51	4†	13°99'38	3°54'24			10262	37§	24°65'53	17°26'63	26§	24°41'92	5°29'61	70 1310	9'2
10208	51§	15°02'45	15°04'13	41§	14°78'01	3°11'78	69 1303	7'6	10263	9	25°21'50	17°53'86	9	24°98'05	5°56'38		
10209	29§	15°83'71	14°93'05	23§	15°59'05	3°00'05	69 1304	9'2	10264	49§	25°41'51	17°05'88	47§	25°17'81	5°08'38	69 1318	9'0
10210	8	15°97'90	15°69'99	6	15°73'75	3°77'33			10265	41§	3°18'17	18°26'91	31§	2°95'00	6°40'13	70 1278	9'2
10211	7	16°42'71	15°58'27	5	16°18'48	3°65'19			10266	7	3°17'67	18°84'51	7	2°95'15	6°98'03		
10212	8	16°64'02	15°62'29	6	16°39'78	3°68'74			10267	38§	3°28'59	17°90'23	30§	3°05'12	6°03'53	70 1279	9'2
10213	18§	18°03'53	15°38'75	16	17°79'15	3°45'01			10268	22	3°93'57	18°19'40	16	3°70'29	6°32'29		
10214	47§	18°04'93	15°38'30	42§	17°80'50	3°44'38	69 1307	7'6	10269	3*	5°28'41	18°00'98	4*	5°04'91	6°13'11		
10215	5	20°78'79	15°48'10	4†	20°54'49	3°52'77			10270	5	5°59'55	18°75'57	5	5°36'82	6°87'72		
10216	4†	21°84'01	15°68'36	4*	21°59'37	3°72'86			10271	5	6°30'18	18°59'25	5	6°07'12	6°71'00		
10217	4	4°64'42	16°65'49	4*	4°40'43	4°77'91			10272	10	6°51'41	18°48'07	7	6°28'51	6°59'67		
10218	11	6°32'67	16°02'45	7	6°08'60	4°14'34			10273	28§	6°73'39	18°37'64	23§	6°50'25	6°49'31	70 1285	9'2
10219	9	8°02'43	16°50'24	6	7°78'48	4°61'29			10274	8	8°39'54	18°39'45	6	8°16'40	6°50'29		
10220	15§	9°69'63	16°14'56	11	9°45'27	4°24'50			10275	29§	9°68'63	17°95'81	19§	9°45'23	6°06'05	70 1290	9'4
10221	48§	9°80'04	16°66'74	35§	9°56'08	4°76'53	69 1292	8'6	10276	11	10°38'07	18°37'25	8	10°15'07	6°47'05		
10222	4	9°84'95	16°40'40	4*	9°60'91	4°50'43			10277	30§	10°73'03	18°02'00	20§	10°49'90	6°11'78	70 1295	9'2
10223	5	10°24'85	16°16'45	4*	10°00'71	4°26'17			10278	6	11°24'56	17°99'48	6	11°01'45	6°08'83		
10224	4*	15°72'70	16°91'58	4*	15°48'91	4°98'58			10279	6	11°98'35	18°68'97	6	11°75'34	6°78'02		
10225	4	11°02'60	16°49'44	4	10°78'93	4°58'92			10280	15	12°62'75	18°60'05	10	12°39'93	6°68'73		
10226	29§	11°81'04	16°20'09	21§	11°56'93	4°29'41	69 1295	9'3	10281	13	13°14'51	18°56'58	9	12°91'63	6°65'01		
10227	4	14°41'97	16°18'26	4*	14°17'91	4°25'68			10282	4	13°63'56	18°18'53	4*	13°40'81	6°26'52		
									10283	19§	13°91'34	18°58'97	15§	13°68'34	6°67'16		
									10284	3*	14°43'13	17°93'09	4*	14°19'98	6°00'68		
									10285	20§	14°71'46	18°92'05	13§	14°48'51	6°99'78		
									10286	4	15°27'79	18°68'34	5	15°04'88	6°75'55		

Plates 2372, 2908, Nos. 10302, 10380, are also measured on plates 2373, 3256.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.



## ZONE + 70°.

R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2372. 1894, Nov. 21.				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2908. 1895, Oct. 4.				Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2372. 1894, Nov. 21.				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2908. 1895, Oct. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

No. 10371 Plate 2372. The 6<sup>min</sup>. image coincides with a fault on the plate. The diameter given is that of the 3<sup>min</sup> image.

1 réseau interval represents very nearly 5' = 58.5 of R.A. at Dec. + 70°, and 61.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 11 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup>							
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2372. 1894, Nov. 21.				R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2908. 1895, Oct. 4.				Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. +70° Plate 2373. 1894, Nov. 21.				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 3256. 1896, Sept 23.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
							No. Mag.								No. Mag.
10398				6	4.6935	11.1915		10446	4†	19.5717	13.9704	8	15.2779	1.8623	
10399				4	5.9638	11.4627		10447	23§	21.3068	13.9875	27§	17.0103	1.8400	69 1333 8.9
10400	19	6.9510	23.0193	11	6.7414	11.1338		10448	5	24.1015	14.1601	8	19.8097	1.9553	
10401	7	7.8595	23.6395	6	7.6541	11.7482		10449	4*	24.1064	14.1605	5	19.8132	1.9537	
10402	4*	9.6248	23.1748	4	9.4187	11.2775		10450	7	7.6497	14.2977	10	3.3618	2.4425	
10403	3*	9.9012	23.3363	3	9.6965	11.4359		10451	21§	8.6994	14.0810	34§	4.4092	2.2047	69 1325 9.5
10404	14	10.9855	23.3542	6	10.7780	11.4479		10452	19	11.1025	14.9211	23§	6.8301	2.9923	
10405	3*	11.5605	23.8142	3*	11.3560	11.9038		10453	4	12.4261	14.8710	8	8.1512	2.9143	
10406	4	12.8311	23.0905	4	12.6238	11.1750		10454	13	12.9500	14.6316	21§	8.6694	2.6644	
10407	3*	13.3437	23.0237	3*	13.1348	11.1048		10455				4	9.1847	2.3660	
10408	17	17.1048	23.6914	12§	16.8998	11.7563		10456				5	10.4964	2.4438	
10409	6	17.3979	23.6364	6	17.1910	11.7020		10457	7	15.2793	14.3015	11	10.9900	2.2848	
10410				3	17.5954	11.7901		10458	4	17.6500	14.7329	7	13.3708	2.6644	
10411	39§	19.4421	23.1984	26§	19.2337	11.2528	70 1305 8.5	10459				4	13.5189	2.3050	
10412	45§	19.5135	23.5612	26§	19.3060	11.6140	70 1307 9.0	10460	13	19.1885	14.3763	20§	14.9012	2.2751	
10413	8*	24.3342	23.7953	9	24.1273	11.8243		10461	5	20.2863	14.6550	10	16.0018	2.5323	
10414				5	24.4436	11.7096		10462	4*	22.2880	14.7637	7	18.0083	2.6005	
10415				6	3.7724	12.0987		10463				4	18.4348	2.0800	
10416	56§	5.9685	23.8957	30§	5.7634	12.0145	70 1283 8.1	10464	19§	6.7312	15.7854	28§	2.4769	3.9473	69 1323 9.5
10417	24	6.7839	24.3843	16§	6.5837	12.3979		10465	4	7.4411	14.8858	6*	3.1670	3.0366	
10418	41§	10.4750	24.6898	30§	10.2741	12.7882	70 1294 8.8	10466	15	7.7590	15.1695	29§	3.4902	3.3122	
10419	36§	11.1373	24.1108	24§	10.9336	12.2035	70 1296 9.2	10467	2*	7.9865	15.1965	5*	3.7176	3.3343	
10420	4	12.8423	24.5743	4	12.6405	12.6614		10468	2*	11.1983	15.0906	5	6.9264	3.1593	
10421	4*	13.9593	24.4738	4	13.7553	12.5548		10469				5	9.8455	3.2225	
10422	25§	14.1990	23.9640	17§	13.9935	12.0415		10470	2*	14.4438	15.9162	5	10.1903	3.9150	
10423				3	15.3331	12.4370		10471	5	14.5995	15.4452	10	10.3380	3.4355	
10424	4*	16.4160	24.2236	4	16.2140	12.2967		10472	4*	15.5140	15.4840	9	11.2505	3.4613	
10425	12	18.6726	24.1369	9	18.4683	12.1976		10473				4	11.7710	3.3309	
10426	8*	20.0574	24.5088	6	19.8540	12.5609		10474	4	16.0475	15.5505	8	11.7822	3.5164	
10427	3*	20.3937	24.4788	5	20.1924	12.5298		10475	80§	16.0957	15.5076	80§	11.8311	3.4727	69 1331 6.8
10177				7	1.8725	13.4644		10476	4*	16.6205	15.3813	7	12.3574	3.3351	
10178				7	2.0038	13.8193		10477	8	17.1845	15.8630	15§	12.9298	3.8046	
10179				10	2.3171	13.8991		10478	6	17.5189	15.6513	12§	13.2598	3.5850	
10180				5	2.5619	13.7975		10479	5	18.2605	15.7117	10	14.0010	3.6316	
10160	5*	3.1594	24.9538	6	2.9600	13.0867		10480	10	20.9261	15.9566	18§	16.6703	3.8158	
10428				6	3.9990	13.4614		10481	2*	8.5608	15.8797	6	4.3089	4.0035	
10429	9	4.9835	25.5280	7	4.7823	13.6529		10482	4	10.3843	16.5351	9	6.1440	4.6220	
10430	28§	7.0828	25.3007	18§	6.8862	13.4112	70 1286 9.4	10483	3*	14.4319	16.8418	8	10.2000	4.8435	
10431				4	7.3211	13.8646		10484	2*	16.0660	16.3425	5	11.8202	4.3075	
10432	9†	7.8097	25.8093	7	7.6178	13.9184		10485				6	11.8962	4.2172	
10433	7†	8.0371	25.4310	6	7.8420	13.5383		10486	13	16.7571	16.2836	20§	12.5098	4.2348	
10434	18	9.3388	25.7185	15§	9.1411	13.8233	70 1288 9.5	10487	2*	17.0604	16.4435	5	12.8193	4.3864	
10435	3*	12.1593	25.5952	4	11.9635	13.6845		10488	2*	17.6978	16.1191	6	13.4478	4.0458	
10436	15	14.3811	24.9938	11	14.1814	13.0710		10489				4†	13.7904	4.6724	
10437	5†	16.7880	25.7198	6	16.5923	13.7838		10490	13	18.5451	16.3255	20§	14.2998	4.2356	
10438	8†	17.6143	25.5760	6	17.4176	13.6382		10491	7	19.5401	17.0733	14§	15.3101	4.9643	
10439	7	18.2924	24.9915	7	18.0936	13.0513		10492	14	20.9910	16.1410	21§	16.7400	4.0008	
10440	10	18.7242	25.2245	8	18.5259	13.2825		10493	15	22.7449	16.6488	22§	18.5039	4.4703	
10441				5	19.8743	13.9168		10494	8	5.8391	17.4708	13	1.6196	5.6537	
10442	7*	20.1132	25.3333	7	19.9149	13.3838		10495	10	6.0497	17.3370	19§	1.8293	5.5146	
10443				4	21.7066	13.5595		10496	52§	6.1286	17.1413	59§	1.9005	5.3152	70 1312 8.3
10444				4	21.7613	13.2909		10497	3*	7.6790	17.2816	7*	3.4548	5.4261	
10445	6*	23.7661	25.6004	9	23.5664	13.6309		10498	16	8.0932	17.0335	24§	3.8639	5.1682	
10181				5	2.7550	14.1099		10499	5	8.4799	17.1172	11	4.2524	5.2447	
10183				7	2.7855	14.1151		10500				5	6.1315	5.9758	
								10501	12	10.9585	17.4131	18	6.7370	5.4863	
								10502	4	13.2370	17.8154	8	9.0233	5.8388	
								10503	11	14.0472	17.1623	18§	9.8200	5.1705	
								10504				4	10.1705	5.8256	

No. 10436 This appears to be a double star. The components are not separable, but are measured as one mass.

x & y interval represents very nearly 5' = 58" of R.A. at Dec. + 70°, and 61".4 at Dec. + 71°.



## ZONE + 70°.

R.A. 23 <sup>h</sup> 11 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 11 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			
Plate 2373. 1894, Nov. 21.				Plate 3256. 1896, Sept. 23.				Plate 2373. 1894, Nov. 21.				Plate 3256. 1896, Sept. 23.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 58°.5 of R.A. at Dec. + 70°, and 61°.4 at Dec. + 71°.

## ZONE + 70°.

R.A. 23 <sup>h</sup> 11 <sup>m</sup> to 23 <sup>h</sup> 30 <sup>m</sup> —contd.									R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 36 <sup>m</sup> —contd.										
Centre R.A. 23 <sup>h</sup> 20 <sup>m</sup> Dec. + 70°				R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°					Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°				R.A. 23 <sup>h</sup> 44 <sup>m</sup> Dec. + 71°						
Plate 2373. 1894, Nov. 21.				Plate 3256. 1896, Sept. 23.					Plate 2888. 1895, Sept. 25.				Plate 3256. 1896, Sept. 23.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
10621				4	9°09'22	12°53'46	°	m.	10674	3	5°79'44	16°33'67	5*	21°90'82	4°12'86	°	m.		
10622	3*	13°29'90	24°75'53	6	9°23'38	12°77'53			10675	11	5°92'56	16°46'95	14	22°03'51	4°27'21				
10623				3	9°54'98	12°63'42			10676	19§	6°82'91	16°82'93	27§	22°91'29	4°68'30	69 1339	9°		
10624	3*	14°01'20	24°32'11	6	9°93'90	12°32'61			10677	45§	9°19'33	16°82'70	58§	25°27'05	4°82'50	69 1345	8°0		
10625				4	12°60'50	12°78'51			10678	4	4°66'42	18°43'34	7	20°65'50	6°14'96				
10626	4	16°84'14	24°07'94	7	12°76'04	12°02'60			10679	5	9°07'00	18°13'31	7	25°06'62	6°12'23				
10627	7	16°99'48	24°52'45	12	12°92'13	12°46'70			10680	4	9°12'16	18°89'29	5*	25°06'94	6°88'12				
10628				5	12°94'53	12°54'53			10681	30§	9°12'19	18°21'45	48§	25°11'88	6°20'52	70 1331	9°3		
10629				6	14°09'55	12°10'52			10682	7	9°22'35	18°87'06	9	25°17'82	6°86'56				
10630	5*	18°86'00	24°38'12	10	14°78'63	12°28'47			10683	6	9°39'27	17°98'98	6†	25°39'98	6°00'03				
10631	22	19°83'42	24°17'77	22§	15°75'43	12°06'11	70 1324	9°5	10684	13	5°17'47	19°33'98	16§	21°10'83	7°08'65				
10632				4	16°06'20	12°20'47			10685	6	8°37'09	19°47'92	7	24°28'57	7°42'38				
10633				4	18°73'39	12°52'48			10686	5	8°92'72	19°99'15	5	24°81'46	7°96'68				
10634	5*	23°16'07	25°06'17	14§	19°10'12	12°87'41			10687	4	9°14'76	19°86'04	6†	25°03'89	7°84'75				
10635				9	2°07'67	13°09'28			10688	26§	4°98'33	21°14'32	24§	20°80'58	8°87'48				
10636				9	3°00'70	13°31'72			10689	4	5°65'44	20°63'88	5	21°50'22	8°41'45				
10637				10	3°50'26	13°49'32			10690	43§	7°14'60	20°35'69	45§	23°01'10	8°22'38	70 1329	8°5		
10638				11	3°76'68	13°94'24			10691	6	9°40'47	20°39'19	8	25°26'62	8°39'62				
10639	17	8°54'14	25°43'75	20§	4°49'11	13°55'94			10692				4	23°21'90	9°35'38				
10640				7	4°80'10	13°01'45			10693	11	4°38'28	22°89'88	10	20°10'00	10°59'26				
10641				4	5°02'10	13°64'51			10694				5	21°72'01	10°36'48				
10642	11	10°08'17	25°49'74	16§	6°03'40	13°58'60			10695	8	7°51'32	22°88'55	8	23°22'19	10°76'93				
10643	56§	11°89'86	25°82'92	54§	7°85'62	13°87'63	70 1315	9°2	10696	6†	9°51'03	22°52'27	5	25°25'39	10°26'08				
10644				3	8°05'72	13°33'27			10697	34§	4°64'35	23°53'04	24§	20°31'95	11°23'64	70 1326	9°4		
10645	12	12°72'97	24°97'10	16§	8°66'92	13°00'48			10698	6	7°14'50	24°06'04	7	22°78'17	11°91'83				
10646				6	9°13'05	13°37'55			10699	5	8°94'38	24°01'00	6	24°57'94	11°98'27				
10647				6	9°45'91	13°49'91			10700	24	5°71'27	24°85'19	16§	21°30'37	12°62'35				
10648	3*	13°58'95	25°84'13	8	9°54'98	13°85'48			10701	14	9°46'14	24°03'25	20§	25°09'22	12°03'50				
10649				4†	10°79'12	13°72'05			10702				4	21°79'83	13°88'48				
10650				3†	10°85'77	13°70'50			10703	9	7°39'92	26°06'56	14§	22°91'39	13°93'58				
10651				3	11°95'13	13°17'48			10704	32§	8°92'37	25°19'19	38§	24°48'99	13°16'00	70 1330	9°4		
10652				4	12°06'95	13°26'58			R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup>										
10653	4*	17°61'85	26°02'27	11	13°57'94	13°95'40			Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°							
10654				4	13°60'19	13°40'62			Plate 2888. 1895, Sept. 25.			Plate 1579. 1893, Nov. 6.							
10655				4	13°87'97	13°89'48			10705	6	12°19'03	13°99'98				°	m.		
10656				3	14°01'03	13°54'29			10706	4	15°53'13	13°98'93							
10657				9	14°74'07	13°30'44			10707	6	15°61'54	13°98'45							
10658				3	17°23'94	13°53'07			10708	7	20°46'96	13°99'78	4*	12°23'71	1°82'77				
R.A. 23 <sup>h</sup> 30 <sup>m</sup> to 23 <sup>h</sup> 36 <sup>m</sup>									10709	6	11°19'19	14°08'76							
Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°						10710	10	13°10'43	14°11'61	3*	4°88'02	2°18'55				
Plate 2888. 1895, Sept. 25.			Plate 3256. 1896, Sept. 23.						10711	4	13°35'57	14°80'83							
10659	9	6°37'71	13°97'68	17	22°63'88	1°81'01	°	m.	10712	7	13°51'83	14°70'09							
10660	5	5°09'27	14°80'29						10713	4	15°12'17	14°51'10							
10661	9	5°63'53	15°19'80	9	21°82'07	2°98'43			10714	5	15°37'65	14°70'99							
10662	3	6°18'89	14°35'21	5*	22°42'80	2°17'28			10715	4	15°76'95	14°47'84							
10663	4	6°47'92	14°35'55	5†	22°71'62	2°19'30			10716	20§	15°95'05	14°06'71	23	7°72'21	2°04'38				
10664	51§	7°80'71	14°98'85	68§	24°00'13	2°90'48	69 1342	8°2	10717	8	18°02'10	14°15'50	4	9°79'64	2°05'96				
10665	4	5°97'93	16°09'01	5†	22°10'97	3°89'30			10718	13	18°41'57	14°69'78	12	10°20'97	2°58'92				
10666	19§	7°13'62	15°53'95	35§	23°30'01	3°41'29			10719	8	22°02'80	14°63'24	4*	13°81'21	2°40'60				
10667	21§	7°45'51	15°44'70	40§	23°62'49	3°33'98	69 1340	9°5	10720	12	23°52'22	14°55'00	8*	15°30'68	2°27'46				
10668	5	7°66'96	15°25'34	8†	23°84'73	3°16'13			10721	6	23°78'26	14°02'05							
10669	4	7°87'55	15°77'42	7	24°02'25	3°69'54			10722	4†	10°31'29	15°41'37							
10670	16§	7°92'68	15°42'50	30§	24°09'73	3°34'93	69 1343	9°5	10723	16	10°62'92	15°91'37	11*	2°46'79	4°06'51	69 1352	9°5		
10671	5	8°23'87	15°46'43	8	24°40'09	3°40'89			10724	6	10°93'50	15°45'56							
10672	4	8°85'69	15°91'88						10725	4†	11°73'89	15°12'35							
10673				5	20°13'96	4°76'61			10726	11	11°85'44	15°53'05	6*	3°67'91	3°64'09				



## ZONE + 70°.

R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.							R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.										
Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. + 70°			R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°							
Plate 2888. 1895, Sept. 25.			Plate 1579. 1893, Nov. 6.				Plate 2888. 1895, Sept. 25.			Plate 1579. 1893, Nov. 6.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
							No.	Mag.								No.	Mag.
10727	15	12°1283	15°4910	16	3°9500	3°5932	°	m.	10786	4†	16°7530	18°1800			°	m.	
10728	8	13°1379	15°6024	4*	4°9606	3°6674			10787	8	16°8497	18°2472	7*	8°7594	6°1884		
10729	20§	15°6264	15°1857	24	7°4375	3°1670			10788	9	17°3144	18°1016	9	9°2197	6°0328		
10730	8	16°1208	15°7811	6*	7°9506	3°7469			10789	5	20°0559	18°5982	4	11°9790	6°4352		
10731	8	16°1967	15°3397	5*	8°0116	3°3057			10790	4	21°7366	18°0260					
10732	6	18°1437	15°4482	3*	9°9626	3°3532			10791	8	22°2215	18°1521	5	14°1254	5°9170		
10733	6	18°3657	15°2050	3*	10°1761	3°0994			10792	7	22°2912	18°0653	4†	14°1907	5°8274		
10734	9	20°0412	15°9248	8	11°8708	3°7643			10793	20	22°3085	18°6313	21§	14°2284	6°3943		
10735	6	20°6892	15°6155	3*	12°5091	3°4348			10794	15	23°0590	18°6552	11	14°9783	6°3928		
10736	26§	21°3912	15°4162	31§	13°2035	3°2110	69 1365	9.5	10795	5	23°9528	18°3894	3*	15°8599	6°0960		
10737	5	11°3671	16°4420						10796	9	10°6558	19°1345	4*	2°6006	7°2846		
10738	12	11°6616	16°4697	8	3°5118	4°5811			10797	6	10°7183	19°0553					
10739	8	12°8927	16°2107	4*	4°7401	4°2846			10798	4	11°3532	19°5758					
10740	10	13°3849	16°8538	6	5°2509	4°9120			10799	20§	12°0626	19°3665	26	4°0105	7°4672		
10741	7	17°1263	16°9885	4*	8°9966	4°9256			10800	10	14°1965	19°4394	6†	6°1477	7°4667		
10742	6	17°2747	16°3602						10801	5	14°2051	19°6219	3*	6°1664	7°6482		
10743	18§	17°6189	16°0160	20	9°4542	3°9326			10802	6	14°3316	19°9758	3*	6°3018	7°9975		
10744	4†	18°2964	16°3793						10803	5	15°1027	19°6450	3*	7°0590	7°6446		
10745	6	18°7327	16°0400	4*	10°5691	3°9246			10804	15	16°8523	19°2945	18	8°7971	7°2348		
10746	4	18°7409	16°0170	3*	10°5764	3°8957			10805	4	16°9723	19°9215					
10747	12	18°7725	16°8713	11	10°6367	4°7503			10806	8	17°4269	19°9918	5	9°3923	7°9145		
10748	6	18°8330	16°8346	4*	10°6964	4°7130			10807	4	17°7645	19°2978					
10749	4	19°9558	16°6002	2*	11°8093	4°4428			10808	6	18°2723	19°1172	4†	10°2094	7°0127		
10750	8	20°6712	16°7968	6*	12°5299	4°6146			10809	4	18°5891	19°8244					
10751	8	20°7568	16°7133	5	12°6126	4°5269			10810	9	19°2713	19°4466	7	11°2199	7°3058		
10752	11	20°9249	16°4780	10	12°7734	4°2859			10811	4	19°4452	19°9068					
10753	12	21°6409	16°5134	15	13°4905	4°2999			10812	4	20°7552	19°9103					
10754	6	21°6467	16°5298	5†	13°4975	4°3153			10813	9	21°6124	19°5789	8	13°5626	7°3648		
10755	10	21°6903	16°3644	6	13°5331	4°1493			10814	8	21°6388	19°1511	5*	13°5748	6°9346		
10756	4	22°9001	16°0493						10815	16	22°3014	19°2166	13	14°2398	6°9778		
10757	6	22°9672	16°7948	2*	14°8263	4°5355			10816	14	22°3386	19°0981	12	14°2718	6°8587		
10758	8	10°1435	17°7800	4*	2°0406	5°9476			10817	7	22°8841	19°1343	5†	14°8195	6°8745		
10759	19§	10°1890	17°9735	18	2°0965	6°1391	70 1332	9.4	10818	10	23°1252	19°1521	6	15°0612	6°8853		
10760	4	11°7308	17°3286						10819	11	10°0412	20°2080	5†	2°0215	8°3761		
10761	6	12°1883	17°7533						10820	7	11°3413	20°0200	3*	3°3162	8°1448		
10762	5	13°6735	17°7590						10821	9	13°2679	20°2407	7	5°2477	8°3010		
10763	10	13°8131	17°5244	8	5°7010	5°5670			10822	5	15°5274	20°7042	3*	7°5186	8°6850		
10764	15	14°5468	17°6327	17	6°4381	5°6512			10823	4	16°6686	20°2460	2*	8°6466	8°1925		
10765	21§	15°7222	17°0228	26	7°5921	5°0035			10824	6	16°9838	20°6835	4*	8°9742	8°6194		
10766	5	16°1043	17°5282	3*	7°9916	5°4958			10825	6	16°9898	20°5178	3*	8°9751	8°4543		
10767	6	16°7756	17°9540	6	8°6759	5°9008			10826	18§	18°9142	20°1755	20	10°8895	8°0460		
10768	10	17°0043	17°3655	8	8°8869	5°3045			10827	4	20°5720	20°5449	2*	12°5541	8°3636		
10769	4	18°6513	17°5370						10828	10	10°2426	21°4898	4*	2°2634	9°6488		
10770	6	19°3385	17°6833	4*	11°2285	5°5433			10829	18§	10°5183	21°3729	22	2°5352	9°5242		
10771	4	20°6038	17°3916						10830	8	12°7146	21°0005	5*	4°7168	9°0794		
10772	13	22°3426	17°7666	12	14°2324	5°5268			10831	4	14°9813	21°7459	3*	7°0086	9°8062		
10773	4	23°0093	17°7874	2*	14°9027	5°5260			10832	4	15°2526	21°3952					
10774	8	23°0288	17°9578	5*	14°9262	5°6948			10833	8	15°3014	21°0555	5	7°3034	9°0463		
10775	8	23°9895	17°1130	4*	15°8592	4°8217			10834	4	17°3044	21°8661					
10776	6	10°0193	18°8641						10835	21§	17°3977	21°9196	21	9°4276	9°8426		
10777	6	10°4952	18°2053						10836	6	17°9325	21°4932	5	9°9481	9°3976		
10778	7	11°1126	18°6154	2*	3°0391	6°7528			10837	4	18°6514	21°6363					
10779	17§	11°9169	18°0268	19	3°8205	6°1346			10838	19§	19°3981	21°5581	21	11°4153	9°4145		
10780	4	12°3184	18°4731						10839	17	20°7377	21°7273	16	12°7599	9°5388		
10781	11	12°9501	18°6647	10	4°8773	6°7355			10840	12	10°2696	22°2360	7*	2°3168	10°3946		
10782	8	14°1231	18°4990	9	6°0457	6°5340			10841	4	10°6161	22°1239					
10783	7	15°3473	18°0373	4*	7°2499	6°0325			10842	5	10°7913	22°1964					
10784	6	15°8476	18°0040	4*	7°7492	5°9836			10843	5	11°6171	22°8957					
10785	9	16°2144	18°6847	9	8°1393	6°6474			10844	18§	12°0838	22°3943	21	4°1314	10°4940		

1. *réseau* interval represents very nearly  $5' = 58.5$  of R.A. at Dec. + 70°, and  $61.4$  at Dec. + 71°.

## ZONE + 70°.

R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 50 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.											
Centre R.A. 23 <sup>h</sup> 40 <sup>m</sup> Dec. +70° Plate 2888. 1895, Sept. 25.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2375. 1894, Nov. 21.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.				
10845	11	12°3425	22°8831	10	4°4082	10°9720	°	m.	10898	15	11°2091	14°6330	17*	23°4810	2°8743	°	m.		
10846	18§	13°7719	22°9291	18	5°8382	10°9738			10899	4	13°8638	14°4628							
10847	12	14°6388	22°6779	11	6°6981	10°6901			10900	46§	4°4986	15°5749	54§	16°7336	3°5069	69	1370	8°	
10848	4	15°1264	22°6926						10901	6	10°2465	15°0325	5*	22°4597	3°2334				
10849	5	15°3597	22°0843	3*	7°3986	10°0745			10902	5	12°0673	15°5143	4*	24°2950	3°7991				
10850	19§	16°0280	22°7021	20	8°0877	10°6691			10903	3	12°6635	15°7032							
10851	7	16°3909	22°7202	5	8°4500	10°6751			10904	4	13°6723	15°3063							
10852	4	17°5164	22°0728	3*	9°5525	9°9886			10905	45§	3°9975	16°4266	46§	16°1921	4°3370	69	1369	8°6	
10853	15	18°9738	22°1507	13	11°0110	10°0235			10906	8	5°9360	16°9321	13	18°1077	4°9294				
10854	6	19°8370	22°5881	3*	11°8891	10°4299			10907	25§	10°2315	16°4570	42§	22°4184	4°6540	69	1375	9°3	
10855	9	12°3668	23°2241	7	4°4407	11°3144			10908	4	10°4352	16°5725							
10856	6	13°2337	23°2444	4*	5°3098	11°3049			10909	5	11°2347	16°5854							
10857	7	14°0110	23°7791	5*	6°1030	11°8146			10910	10	12°2458	16°2340	7*	24°4421	4°5226				
10858	4	15°0443	23°6013						10911	5	12°2648	16°1391							
10859	4	17°6861	23°7651						10912	5	12°2752	16°1407							
10860	14	17°7573	23°2078	7	9°8304	11°1166			10913	44§	13°6926	16°8501	75§	25°8622	5°2047	69	1379	8°5	
10861	8	19°6278	23°8961	5	11°7210	11°7452			10914	5*	4°0505	17°7432	6	16°1893	5°6534				
10862	6	22°6207	23°6273	4	14°7069	11°3768			10915	18	6°0303	17°3577	23§	18°1807	5°3600	70	1338	9°5	
10863	5	10°1979	24°8195						10916	7	6°3167	17°4560	12	18°4623	5°4717				
10864	19	10°2357	24°3866	19	2°3504	12°5444			10917	8	8°9261	17°8821	10	21°0495	6°0183				
10865	12	11°2952	24°2851	8	3°4091	12°4080			10918	23§	9°4130	17°2254	38§	21°5688	5°3843	70	1339	8°7	
10866	10	13°2605	24°8994	7	5°3901	12°9556			10919	5	13°2305	17°8387							
10867	13	13°7797	24°7503	11	5°9070	12°7918			10920	13	3°9120	18°2235	15	16°0235	6°1255				
10868	6	14°1961	24°1686	3*	6°3002	12°1962			10921	4	9°2722	18°1255	5*	21°3854	6°2756				
10869	5	14°3149	24°3164						10922	3	9°4137	18°8153							
10870	8	15°8016	24°9037	5	7°9301	12°8768			10923	12	9°9322	18°3893	20	22°0295	6°5701				
10871	34§	19°9302	24°3478	38§	12°0392	12°1848	70	1336	9°3	10924	53§	10°1802	18°3742	63§	22°2798	6°5657	70	1341	8°0
10872	4	20°2027	24°5001						10925	4	12°0003	18°4361							
10873	6	20°3196	24°6918	3*	12°4389	12°5210			10926	29§	5°7475	19°9628	28§	17°7790	7°9471				
10874	9	20°8215	24°0668	6	12°9200	11°8758			10927	11	6°6964	19°4501	17	18°7491	7°4799				
10875	14	20°8588	24°4781	9	12°9706	12°2860			10928	16	7°7178	19°4824	19	19°7700	7°5579				
10876	13	21°8521	24°1961	8	13°9578	11°9670			10929	4	9°1868	19°3999	5	21°2413	7°5474				
10877	16	21°9383	24°4946	10	14°0507	12°2648			10930	6	9°6852	19°2035	7	21°7489	7°3714				
10878	4	11°1574	25°1550						10931	4	12°3925	19°3681							
10879	11	13°0510	25°3140	6	5°1978	13°3777			10932	4	12°6224	19°4338							
10880	26§	13°1471	25°3422	31§	5°2908	13°4042	70	1333	9°4	10933	17	8°7971	20°8247	18	20°7846	8°9516			
10881	4	13°2264	25°1564						10934	4	9°0475	20°9965	3*	21°0282	9°1347				
10882	5	15°2479	25°5912	4	7°4000	13°5842			10935	19§	12°5024	20°0851	30	24°5210	8°3850	70	1343	9°4	
10883	16	15°4756	25°3653	17	7°6206	13°3484			10936	7	5°9278	21°5916	9	17°8834	9°5859				
10884	57§	16°9366	25°3413	58§	9°0805	13°2768	70	1334	7°5	10937	4*	6°9111	21°7227	7	18°8610	9°7588			
10885	6	17°0123	25°1434						10938	3*	9°9330	21°7251	4*	21°8778	9°9054				
10886	18	17°3205	25°8020	11	9°4804	13°7246			10939	8	10°8212	21°3183	8	22°7824	9°5368				
10887	17	17°8286	25°3319	12	9°9721	13°2381			10940	13	11°5106	21°0770	21	23°4889	9°3285				
10888	17	20°2145	25°1565	10	12°3494	12°9850			10941	17	9°4919	22°1635	21	21°4194	10°3212				
10889	59§	22°5911	25°4201	49§	14°7304	13°1666	70	1337	8°8	10942	5	9°6199	22°8128	7	21°5122	10°9743			
10890	8	22°7792	25°3051	6	14°9171	13°0472			10943	7	13°3176	22°3638	8	25°2304	10°6945				
10891	6*	23°3826	25°3503	4	15°5214	13°0737			10944				6	16°5246	11°5046				
10892	11	19°2778	26°0473	6	11°4459	13°9097			10945				4	18°7845	11°2262				
R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup>								R.A. 23 <sup>h</sup> 50 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup>											
Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +70° Plate 2375. 1894, Nov. 21.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.															
10893	4*	4°4655	14°8033	4*	16°7382	2°7360	°	m.	10946	32§	11°7895	23°5222	40§	23°6498	11°7837	70	1342	8°0	
10894	9	6°2886	14°8545	11	18°5530	2°8719			10947	22	11°8060	23°6342	29§	23°6610	11°8952				
10895	4	7°9232	14°0000						10948	15	12°8158	24°5480	22	24°6277	12°8561				
10896	7	10°6785	14°7784	4*	22°9414	3°0023			10949				4	20°1389	13°2480				
10897	5	10°9333	14°4050						10950	9	8°8906	25°2738	15	20°6744	13°3999				
									10951	6*	9°6304	25°4540	13	21°4057	13°6125				
									10952	18	9°6876	25°6360	22§	21°4520	13°7966	70	1340	9°5	
									10953	3*	12°2824	25°2335	7	24°0612	13°5149				
									10954	5*	12°4660	25°1464	11	24°2509	13°4352				



## ZONE + 71°.

R. A. $\alpha^h \alpha^m$ to $\alpha^h 12^m$								R. A. $\alpha^h \alpha^m$ to $\alpha^h 12^m$ —contd.							
Centre R. A. $\alpha^h 12^m$ Dec. + 71° Plate 4612. 1899, Aug. 11.				R. A. $\alpha^h \alpha^m$ Dec. + 72° Plate 3660. 1897, Oct. 4.				Centre R. A. $\alpha^h 12^m$ Dec. + 71° Plate 4612. 1899, Aug. 11.				R. A. $\alpha^h \alpha^m$ Dec. + 72° Plate 3660. 1897, Oct. 4.			
No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	B. D.	No.	Diam.	$\alpha$ .	$\mu$ .	Diam.	$\alpha$ .	$\mu$ .	B. D.

1 réseau interval represents very nearly 5' = 61°.4 of R.A. at Dec. + 71° and 64°.7 at Dec. + 72°.

## ZONE + 71°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
No.							No.						
Mag.							Mag.						

R.A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 0 <sup>h</sup> 0 <sup>m</sup> to 0 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 4612. 1899, Aug. 11.							Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 4612. 1899, Aug. 11.						
R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 3660. 1897, Oct. 4.							R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 3660. 1897, Oct. 4.						
101	8	5.7139	21.2757	15	17.1066	9.1460	160	4*	7.4599	24.4380	6	18.6867	12.3901
102	6*	6.0204	21.5462	12	17.4006	9.4304	161	4*	8.1646	24.3805	13	19.3918	12.3737
103				5	17.5664	9.0053	162	2*	8.8909	24.3785	5*	20.1164	12.4098
104				3	17.7398	9.4934	163	21§	9.1402	24.8412	31§	20.3432	12.8847
105				5	17.9150	9.7607	164				5	20.7475	12.8809
106	5	6.6710	21.9043	13	18.0308	9.8232	165				4†	21.3601	12.5963
107	5	6.8699	21.2103	10	18.2621	9.1370	166	5†	10.3278	24.0809	10	21.5666	12.1875
108	8	7.5794	21.1355	15	18.9773	9.1015	167	19	11.4171	24.3105	28§	22.6445	12.4723
109				6	19.6511	9.6199	168	3*	13.1728	24.4995	7	24.3907	12.7513
110	4	10.3482	21.2613	12	21.7350	9.3695	169				4	14.2000	13.8374
111	10	10.5766	20.9058	20	21.9815	9.0280	170				4	14.8641	13.7078
112	6	10.8980	21.6804	17	22.2617	9.8168	171	19	5.2687	25.4225	24§	16.4477	13.2650
113	4	11.9345	21.3670	11	23.3145	9.5561	172				4	17.2250	13.9566
114	3*	12.2897	20.8590	7	23.6918	9.0685	173	12	6.6941	25.0873	18	17.8891	13.0040
115	6*	4.0918	22.8745	13	15.4076	10.6578	174				5	18.6017	13.5802
116	28§	4.2602	23.0115	31§	15.5659	10.8046	175	6*	7.4504	25.6673	11	18.6128	13.6207
117				4	15.9244	10.1505	176				8	20.8952	13.6102
118	30§	6.0208	22.4148	37§	17.3556	10.2981	177	22§	9.7001	24.9593	30§	20.8962	13.0305
119	6	6.2196	22.5711	16	17.5425	10.4665	178	22§	9.9028	25.6431	30§	21.0640	13.7234
120				5	17.6006	10.9247	179				4	21.6079	13.3777
121				5	17.6527	10.7419	180	3*	11.3302	25.7140	7	22.4830	13.8687
122				4	18.7418	10.1214	181				4	22.9920	13.8455
123				5	18.7471	10.4431	182	12	12.8002	24.7865	18	24.0015	13.0183
124				6	18.9572	10.8208	183	10	12.9693	25.2670	17	24.1455	13.5059
125	4	7.7402	22.5120	11	19.0646	10.4854	184	3†	13.8822	24.8994	6†	25.0738	13.1875
126	4	8.3897	22.1817	7	19.7318	10.1896		33§	1.9498	19.2747			
127	4*	10.5279	22.4956	7	21.8512	10.6108		31§	10.5813	26.6393			
128	21	11.8081	21.9673	32§	23.1564	10.1501							
129				5	23.4199	10.8806							
130	4*	12.1514	22.3690	10	23.4799	10.5669							
131				4	15.0406	11.3688							
132	4*	4.1728	23.3435	12	15.4607	11.1309							
133	7*	4.2999	24.1090	14	15.5462	11.9027							
134	13	4.9963	24.1464	20	16.2406	11.9745							
135				4	16.3333	11.9490							
136	6	5.0861	23.6690	14	16.3556	11.5040							
137	14	5.3996	23.5538	17	16.6756	11.4049							
138	29§	5.5482	23.2253	37§	16.8399	11.0826							
139	22§	5.7143	23.1729	24§	17.0113	11.0413							
140				4	18.1118	11.9164							
141				4	18.4068	11.3589							
142	4*	7.1949	23.2331	10	18.4844	11.1759							
143				7	18.4846	11.8877							
144				4	18.8751	11.1927							
145	27§	7.6815	23.7014	40§	18.9477	11.6701							
146				4	18.9618	11.6538							
147				4	19.1339	11.2556							
148	4*	8.2604	23.2407	8	19.5504	11.2402							
149				4	19.6914	11.4639							
150				5	20.3314	11.7824							
151	4†	10.9735	23.5817	14	22.2403	11.7199							
152				6†	23.3923	11.1394							
153	3*	12.8804	23.3985	7	24.1545	11.6327							
154				7†	24.4863	11.3317							
155	14	13.4899	23.6718	24	24.7475	11.9419							
156				4†	14.2974	12.8018							
157				7	15.0983	12.8969							
158	11	4.9033	24.5634	20§	16.1291	12.3891							
159	11	5.4132	24.4287	15	16.6426	12.2789							

R.A. 0 <sup>h</sup> 12 <sup>m</sup> to 0 <sup>h</sup> 24 <sup>m</sup>						
Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 4612. 1899, Aug. 11.						
R.A. 0 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 2924. 1895, Oct. 18.						
185	35§	15.7199	14.4888	48§	4.0598	2.6886
186	3*	15.9082	14.3795	4*	4.2441	2.5777
187	2*	16.8435	14.5900	5	5.1895	2.7397
188	8	21.0630	14.6369	14	9.4039	2.5811
189	23§	22.0503	14.9638	28§	10.4072	2.8601
190	4*	23.2004	14.7200	6	11.5421	2.5645
191	16	23.5161	14.9813	19§	11.8723	2.8064
192	8	15.4600	15.7375	13	3.8607	3.9516
193	6	17.0797	15.8159	10	5.4813	3.9500
194	3*	17.9874	15.8635	6	6.3799	3.7760
195				6	6.7139	3.8918
196	2*	18.8603	14.9985	4	7.2206	3.0482
197				4	9.6028	3.6045
198	20§	22.2523	15.1566	22§	10.6175	3.0405
199	3*	23.6924	15.2184	6†	12.0593	3.0345
200	3*	15.9379	16.3685	8	4.3681	4.5574
201	4	16.1819	16.5214	10	4.6216	4.6999
202				5	4.7687	4.6742
203	3†	18.0416	15.9170	7	6.4495	4.0065
204	24§	18.3682	16.8694	28§	6.8181	4.9405
205	6	19.6279	16.6106	10	8.0659	4.6215
206				6	8.4525	4.9511
207	35§	20.3114	16.1133	37§	8.7236	4.0923
208				4	6.0563	5.2660

71	3	9.5	71	6	9.4
71	1249	9.0	71	8	9.2
70	6	9.3	70	17	9.3
70	11	9.5	70	14	9.2



## ZONE + 71°.

R.A. 0 <sup>h</sup> 12 <sup>m</sup> to 0 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 12 <sup>m</sup> to 0 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4612. 1899, Aug. 11.				R.A. 0 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 2924. 1895, Oct. 18.				Centre R.A. 0 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4612. 1899, Aug. 11.				R.A. 0 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 2924. 1895, Oct. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. +71° and 64".7 at Dec. +72°.

## ZONE + 71°.

R.A. $\alpha^h$ 24 <sup>m</sup> to $\alpha^h$ 36 <sup>m</sup>							B. D.		R.A. $\alpha^h$ 24 <sup>m</sup> to $\alpha^h$ 36 <sup>m</sup> —contd.							B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Mag.	Centre	R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 71°	R.A. $\alpha^h$ 24 <sup>m</sup> Dec. + 72°	Centre	R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 71°	R.A. $\alpha^h$ 24 <sup>m</sup> Dec. + 72°	Centre	R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 71°	R.A. $\alpha^h$ 24 <sup>m</sup> Dec. + 72°
Plate 2840. 1895, Sept. 10.							Plate 2924. 1895, Oct. 18.		Plate 2840. 1895, Sept. 10.							Plate 2924. 1895, Oct. 18.	
325	6	5.4013	14.0700	5*	17.1561	1.9969			384	3	11.2810	19.9539	4*	22.7400	8.1632		
326	5†	3.2405	14.5351	4*	14.9726	2.3575			385	30§	11.7919	20.2960	37§	23.2373	8.5286	71	28
327	4*	3.6468	15.0325	4	15.3587	2.8736			386	14§	12.0470	20.7032	18	23.4690	8.9456		
328	6	4.5839	14.5106	6	16.3148	2.3997			387	4	13.2308	20.4040	4*	24.6631	8.7036		
329	9	4.9621	14.4326	9†	16.6988	2.3375			388	4*	2.9052	22.1468	4	14.2630	9.9457		
330	5	5.6336	14.9609	5*	17.3442	2.8969			389	20	4.3807	21.2150	21§	15.7881	9.0833		
331	26§	7.0824	14.3752	35§	18.8192	2.3820			390	5	6.8448	21.2467	6	18.2473	9.2339		
332	20	11.2047	13.9698	20	22.9562	2.1813			391	7	7.0605	21.9157	6	18.4278	9.9137		
333	14	12.3534	14.1338	17	24.0936	2.3988			392	18	9.2059	20.9663	19	20.6188	9.0699		
334	19	12.9153	14.4932	22	24.6403	2.7853			393	5*	11.5630	20.8480	5	22.9825	9.6669		
335	5	2.6918	15.4850	5	14.3798	3.2775			394	7	12.1279	21.3587	10	23.5188	9.6043		
336	8	5.8695	15.7453	8	17.5408	3.6946			395	15	2.9061	22.9833	13	14.2278	10.7772		
337	7	6.5173	15.9475	11	18.1789	3.9252			396	5*	3.0066	22.7572	5	14.3404	10.5584		
338	20	6.7695	15.8852	22	18.4358	3.8749			397	14	4.9142	22.4797	13	16.2595	10.3738		
339	13	7.0215	15.5087	17	18.7023	3.5121			398	10	7.4781	22.6720	13	18.8097	10.6889		
340	6	11.2592	15.2347	7	22.9493	3.4445			399	6	9.3240	22.5716	6	20.6603	10.6814		
341	26§	11.3182	14.9445	41	23.0223	3.1557	70	29	400	4†	10.1087	22.0790	4	21.4671	10.2250		
342	6	13.6814	15.4974	5*	25.3531	3.8269			401				6†	21.5918	10.5874		
343	6	3.8816	16.7218	7	15.5089	4.5713			402	6	11.4593	22.2874	8	22.8017	10.4986		
344	6	5.2486	16.1234	7*	16.9029	4.0398			403	6	12.4989	21.9755	7	23.8595	10.2371		
345	29§	6.1650	16.9155	30§	17.7806	4.8746	71	21	404	32§	13.8280	22.5771	38§	25.1594	10.9060	71	30
346	15	6.9908	16.0838	20	18.6453	4.0861			405				4	17.7193	11.0258		
347	13	7.2321	16.0719	16	18.8868	4.0843			406	4*	9.3957	23.5644	5†	20.6806	11.6741		
348	4†	8.2101	16.0808	4*	19.8615	4.1440			407	8	9.4043	23.4798	12	20.6911	11.5917		
349	14	9.6553	16.4208	20	21.2881	4.5524			408	4	13.5108	23.1440	5	24.8100	11.4570		
350	4*	10.4541	16.1816	4†	22.0997	4.3523			409	7*	4.6605	24.3386	7	15.9115	12.2184		
351	21§	12.3070	15.9663	33§	23.9613	4.2265			410	45§	6.5502	24.8452	35§	17.7754	12.8135	71	22
352	6	13.9850	15.9938	4*	25.6314	4.3392			411	6	6.5982	24.1240	6	17.8576	12.0983		
353	12	2.5694	17.5797	12	14.1556	5.3643			412	7	7.5030	24.2135	8	18.7594	12.2310		
354	27§	2.7070	17.6656	22§	14.2893	5.4556			413	62§	3.2989	25.9426	44§	14.4766	13.7483	71	19
355	9	3.3267	17.9453	8	14.8932	5.7637			414				6	14.5199	13.7950		
356	17	3.7858	17.9270	19	15.3541	5.7694			415				6	14.9717	13.5832		
357	5	5.0807	17.1878	7	16.6820	5.0951			416				4	15.4201	13.2855		
358	4*	7.4829	17.2140	4*	19.0811	5.2401			417	20	5.5699	25.4798	17§	16.7649	13.4028		
359	5	8.4357	17.4480	6	20.0185	5.5183			418	21§	5.5944	25.3363	19§	16.7965	13.2593	71	20
360	8	8.9575	17.0672	9	20.5592	5.1646			419	4*	5.9501	25.5943	4	17.1384	13.5357		
361	25§	9.2879	17.2463	27§	20.8811	5.3570	71	26	420				6	18.1529	13.9087		
362	5	12.5468	17.8055	6	24.1106	6.0759			421	5	7.0703	25.2044	6	18.2749	13.2009		
363	4	12.6462	17.3455						422	27§	7.2708	25.6823	24§	18.4541	13.6866	71	24
364	21§	13.2535	17.0078	33	24.8533	5.3150			423	24	7.3950	25.5499	22§	18.5851	13.5604		
365	21§	4.1358	18.4874	22§	15.6770	6.3461			424	22	7.4491	25.5990	21	18.6368	13.6117		
366	6	5.9596	18.2711	7	17.5082	6.2195			425	5	7.6311	25.4458	7	18.8262	13.4702		
367	7	9.1576	18.2344	10	20.7014	6.3369			426				4	18.9750	13.7796		
368	9	10.3404	18.4353	16	21.8758	6.5994			427	19	8.2001	25.4849	18§	19.3930	13.5347		
369	9	11.5964	18.3738	17	23.1320	6.5966			428	38§	8.3099	25.4033	33§	19.5066	13.4585	71	25
370	8	13.5710	17.9993	11	25.1253	6.3172			429	10	9.6181	25.2275	12	20.8225	13.3470		
371	6	5.4830	19.3968	8	16.9763	7.3225			430	6	11.3877	25.5436	9	22.5724	13.7461		
372	12	8.1121	19.2748	14	19.6098	7.3299			R.A. $\alpha^h$ 36 <sup>m</sup> to $\alpha^h$ 48 <sup>m</sup>								
373	9	8.5041	19.5557	12	19.9853	7.6250			Centre R.A. $\alpha^h$ 36 <sup>m</sup> Dec. + 71° R.A. $\alpha^h$ 48 <sup>m</sup> Dec. + 72°								
374	19	9.6422	19.2473	23§	21.1404	7.3745			Plate 2840. 1895, Sept. 10. Plate 4600. 1899, Aug. 9.								
375	6	9.9063	19.3005	8	21.3996	7.4413			431	4*	14.4327	14.8832	4*	2.6852	3.2097		
376	3	10.3712	19.3023						432	5	14.7359	14.8745	3*	2.9889	3.1842		
377	6	12.7884	19.1118	9†	24.2881	7.3939			433	4	15.2878	14.8511					
378	5	13.6054	19.1744	5*	25.1006	7.4956			434	4†	15.3670	14.7374					
379	13	2.7306	20.6827	12	14.1636	8.4714			435	9	16.4842	14.6030	9	4.7189	2.8207		
380	8	4.0275	21.1129	9	15.4382	8.9632			436	29§	16.7116	14.7361	43§	4.9500	2.9385	70	44
381	19	5.9475	20.3942	17	17.3908	8.3408											
382	11	8.3837	20.6947	16	19.8117	8.7568											
383	8	11.2859	20.1745	11	22.7356	8.3820											



## ZONE + 71°.

R.A. 0 <sup>h</sup> 36 <sup>m</sup> to 0 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 36 <sup>m</sup> to 0 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 2840. 1895, Sept. 10.				R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. + 72° Plate 4600. 1899, Aug. 9.				Centre R.A. 0 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 2840. 1895, Sept. 10.				R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. + 72° Plate 4600. 1899, Aug. 9.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No. Mag.								No. Mag.							
437	9	16.7888	14.5533	8*	5.0204	2.7528		496	24§	15.2314	21.4950	32§	3.8281	9.7667	71° 31
438	9	16.8991	14.7588	8	5.1421	2.9560		497	4	15.9823	21.7906				9.3
439	11	17.5384	14.9663	11	5.7891	3.1276		498	5*	23.1189	21.0632	5*	11.6764	8.9295	
440	11	20.1703	14.6420	11	8.4009	2.6664		499	31§	23.7241	21.4655	31§	12.3015	9.2945	71 40
441	18	20.1580	14.9730	24	8.4061	2.9970		500	13*	24.8192	21.9889	8	13.4237	9.7608	9.5
442	6	21.1842	14.9965					501	27§	15.8873	22.7866	37§	4.5485	11.0220	71 34
443	4*	21.2195	14.4027	3*	9.4351	2.3708		502	5	19.5432	22.1718	5	8.1635	10.2174	9.3
444	33§	21.4056	14.3450	40§	9.6206	2.3054	70 54	503	25§	20.0455	22.0075	30§	8.6605	10.0263	71 38
445	3†	23.7489	14.7384					504	15	23.8986	22.4510	12	12.5305	10.2733	9.5
446	10	24.8788	14.0500	10	13.0732	1.8316		505	35§	15.8998	23.4581	43§	4.5923	11.6927	71 35
447	13	25.1658	14.3116	12	13.3731	2.0814		506	16	16.4180	23.9315	13	5.1328	12.1375	9.2
448	11	14.6763	15.7009	10	2.9708	4.0098		507	16	24.0415	23.3175	11	12.7172	11.1315	
449	28§	15.0105	15.2274	42§	3.2805	3.5182	70 41	508	27§	16.1122	24.5968	32§	4.8638	12.8199	
450	10	17.6679	15.4496	10	5.9481	3.6051		509	17§	16.5494	24.3828	19	5.2883	12.5838	
451	4	18.3311	15.8499					510	3*	16.6082	24.4401	4	5.3464	12.6350	
452	15	18.9635	15.9380	15	7.2611	4.0225		511	10	21.3768	24.0582	6	10.0905	12.0060	
453	7	23.3130	15.1356	7	11.5644	2.9955		512	14	18.6178	25.3147	15	7.4012	13.4061	
454	5*	23.3754	15.6207	4†	11.6510	3.4751		513	5*	21.7629	25.6065	6	10.5586	13.5336	
455	24§	23.3962	15.2859	30§	11.6520	3.1385	70 57	514	6*	22.8247	25.5354	6	11.6140	13.4080	
456	47§	23.5275	15.2863	53§	11.7861	3.1358		515	42§	22.3586	26.0568	37§	11.1758	13.9530	71 39
457	19	23.6029	15.1201	16	11.8525	2.9658		R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup>							
458	4*	23.9401	15.8965	4	12.2289	3.7267		Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			
459	6*	24.4280	15.7189	5†	12.7093	3.5204		Plate 3303. 1896, Nov. 6.				Plate 4600. 1899, Aug. 9.			
460	6	24.7403	15.2427	4†	12.9975	3.0275		516	17	2.5059	14.7434	18	14.1650	2.4510	
461	15	15.8236	16.4498	26§	4.1532	4.6975		517	33§	4.7208	14.8303	39§	16.3745	2.6488	70 60
462	12	17.9268	16.7942	9	6.2707	4.9345		518	9	5.2717	14.4196	8	16.9418	2.2660	9.3
463	32§	20.6794	16.3209	33§	8.9958	4.3145	70 50	519	5	5.4862	14.8787	4*	17.1347	2.7377	
464	6	21.2666	16.6153	4*	9.5970	4.5816		520	12	6.5209	14.3109	10	18.1973	2.2225	
465	7	22.0368	16.6855	6	10.3710	4.6105		521	10	8.3030	14.2905	10	19.9788	2.2958	
466	4*	22.9397	16.9484	4	11.2865	4.8223		522	19§	8.9975	14.6805	23	20.6525	2.7191	
467	8	23.0755	16.1995	9	11.3811	4.0713		523	7	12.7488	14.7020	5*	24.3958	2.9321	
468	8*	25.1787	16.3052	6	13.4008	4.0660		524	24§	3.3124	15.8905	25§	14.9126	3.6352	
469	20§	15.3683	17.6794	28§	3.7617	5.9490	71 32	525	16	4.3245	15.8433	13	15.9258	3.6415	
470	7	17.8743	17.4940	7	6.2514	5.6334		526	5	6.4575	15.3970	4*	18.0773	3.3043	
471	4	18.4894	17.6920	6*	6.8775	5.8026		527	4	7.3031	15.5841				
472	5	22.6488	17.2633	5	11.0128	5.1538		528	4	8.0698	15.0531				
473	5	23.1342	17.3107	6	11.5001	5.1776		529	28§	8.1336	15.9582	35§	19.7247	3.9508	70 66
474	6*	23.9036	17.9419	5	12.2972	5.7654		530	21§	8.8517	15.7894	23	20.4521	3.8175	70 68
475	5†	25.0995	17.5918	5*	13.4752	5.3558		531	8	9.0885	15.7482	8	20.6895	3.7908	9.5
476	5	15.9045	18.7039	5	4.3505	6.9453		532	20	9.2372	15.8602	24	20.8484	3.9066	
477	15	16.8135	18.1852	14	5.2303	6.3797		533	9	10.1288	15.1253	9*	21.7608	3.2199	
478	6	17.2923	18.8506	4	5.7463	7.0208		534	20§	10.4819	15.1248	25§	22.1137	3.2364	
479	13	21.3439	18.7982	14	9.7851	6.7548		535	5	10.6088	15.7765	4*	22.2100	3.8950	
480	4†	22.8211	18.1108	4*	11.2238	5.9918		536	4	10.8393	15.7331				
481	52§	24.8478	18.2315	49§	13.2568	6.0063	71 41	537	7	10.9102	15.1974	5*	22.5373	3.3331	
482	9	24.9478	18.3181	9	13.3608	6.0905		538	4	11.3636	15.7922	4*	24.2691	3.4984	
483	8	14.3004	19.1721	6*	2.7719	7.4953		539	8	12.6511	15.2736				
484	9	14.4318	19.6394	10	2.9293	7.9559		540	3	12.8307	15.8565				
485	6	14.8976	19.9502	6	3.4113	8.2418		541	23§	12.8597	15.8970	37§	24.4473	4.1306	
486	30§	15.6417	19.2731	35§	4.1177	7.5259	71 33	542	7	13.2273	15.2957	6*	24.8426	3.5493	
487	20§	18.0868	19.3150	23§	6.5613	7.4422		543	25§	4.4287	16.1076	26§	16.0160	3.9093	70 59
488	9	21.1791	19.2552	7	9.6432	7.2206		544	5	4.6261	16.0906	4	16.2133	3.9040	9.5
489	5†	24.4139	19.0530	3	12.8705	6.8555		545	14	4.6302	16.6925	11	16.1875	4.5059	
490	10	22.3167	20.1772	6	10.8312	8.0840		546	25§	7.3990	16.7717	27§	18.9493	4.7255	71 45
491	7	25.0365	20.0118	6	13.5403	7.7762		547	4	9.0873	16.3714				
492	7*	25.2928	20.7413	8	13.8330	8.4923		548	19	9.0942	16.3643	21	20.6643	4.4046	
493	15	14.6748	21.1923	18	3.2521	9.4934									
494	3	14.7181	21.0215												
495	16	15.1486	21.3708	20§	3.7331	9.6487									

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71° and 64.7 at Dec. + 72°.

ZONE + 71°.

R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 0 <sup>h</sup> 48 <sup>m</sup> to 1 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				Centre R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°				Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				Centre R.A. 0 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			
Plate 3303. 1896, Nov. 6.				Plate 4600. 1899, Aug. 9.				Plate 3303. 1896, Nov. 6.				Plate 4600. 1899, Aug. 9.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
								</							



## ZONE + 71°.

R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.										
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 3303. 1896, Nov. 6.				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4601. 1899, Aug. 9.				Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 3303. 1896, Nov. 6.				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4601. 1899, Aug. 9.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.			
661	16§	17°3070	14°6622	21§	5°6099	2°8216	°	m.	721	4*	21°6906	18°6792	3*	10°1812	6°6187	°	m.	
662	4	17°4912	14°8851	4*	5°8052	3°0352			722	14	22°7215	18°1938	10	11°1866	6°0878			
663	9	18°3565	14°6782	7	6°6574	2°7846			723	27§	24°9365	18°7125	25§	13°4248	6°4993	71	63	9'
664	12	19°5211	14°4628	13	7°8109	2°5155			724	4	14°1779	19°0447	3*	2°6930	7°3483			
665	6	20°3528	14°9095	5	8°6627	2°9220			725	10	14°2474	19°7658	12	2°7994	8°0657			
666	12	22°2114	14°0163	11	10°4772	1°9383			726	5	14°4041	19°2468	3*	2°9312	7°5381			
667	30§	22°2675	14°7478	40§	10°5678	2°6675			727	14	14°6265	19°9425	19	3°1878	8°2237			
668	11	22°3098	14°3788	8	10°5907	2°2963			728	6	15°8103	19°5127	7	4°3460	7°7371			
669	5	22°3183	14°7448	4†	10°6177	2°6628			729	4	16°2380	19°5805	4*	4°7747	7°7845			
670	25§	22°4395	14°7032	34§	10°7372	2°6154			730	10	16°4036	19°5085	11	4°9408	7°7053			
671	37§	22°6161	14°6568	43§	10°9110	2°5599	70	89	8°0	731	4	16°6908	19°1202					
672	7	23°2050	14°3928	6†	11°4876	2°2698			732	6	17°6110	19°1910	4	6°1308	7°3306			
673	23§	23°3800	14°1551	26§	11°6499	2°0223	70	91	9°4	733	14§	18°9001	19°6693	15	7°4408	7°7439		
674	22	24°8223	14°2030	22§	13°0955	2°0018			734	4*	19°2419	19°2272	3*	7°7615	7°2872			
675	16	25°3912	14°5497	17	13°6772	2°3204			735	6	20°3908	19°1119	5	8°9035	7°1163			
676	8	25°6920	14°7334	6	13°9888	2°4893			736	19§	20°5770	19°0650	24§	9°0847	7°0617			
677	6	14°2691	15°5940	3*	2°6212	3°9011			737	10	20°7984	19°5938	10	9°3326	7°5789			
678	9	15°1396	15°9568	12	3°5056	4°2195			738	18§	20°9835	19°8550	18§	9°5304	7°8295			
679	8	17°3546	15°8210	4*	5°7112	3°9767			739	6	21°0765	19°2506	6	9°5919	7°2224			
680	7	17°6010	15°2050	6	5°9288	3°3501			740	30	22°1634	19°1647	34§	10°6777	7°0835	71	61	9°4
681	16§	18°0735	15°2093	20§	6°4015	3°3300			741	5†	23°0150	19°3392	5	11°5372	7°2176			
682	18§	18°3613	15°3836	25§	6°6985	3°4906	70	83	9°2	742	8*	24°0865	19°6079	9	12°6186	7°4327		
683	16	20°0605	15°0598	15	8°3798	3°0878			743	29§	24°5607	19°4808	22§	13°0864	7°2859			
684	17§	20°0770	15°0248	20	8°3914	3°0473	70	85	9°5	744	4*	24°7426	19°3887	8	13°2642	7°1852		
685	5*	21°3809	15°6418	3*	9°7233	3°6069			745	21§	14°2705	20°8331	30§	2°8735	9°1310	71	52	9°5
686	11	22°3432	15°1390	7	10°6626	3°0535			746	6	14°3800	20°7228	4*	2°9773	9°0166			
687	29§	22°8222	15°2789	39§	11°1488	3°1691			747	6	15°3778	20°3124	6*	3°9543	8°5572			
688	15	23°6604	15°2381	12	11°9805	3°0885			748	5	15°4062	20°3273	4*	3°9817	8°5676			
689	4*	24°1720	15°4587	4*	12°5017	3°2875			749	6	15°6729	20°1351	6	4°2404	8°3659			
690	18	24°2696	15°1046	16	12°5839	2°9253			750	23§	16°5467	20°7152	38§	5°1390	8°9035	71	54	9°4
691	18	25°2503	15°7663	16	13°5936	3°5426			751	5	17°7268	20°1756	4*	6°2912	8°3060			
692	9	17°6798	16°5808	8	6°0725	4°7195			752	4	17°8903	20°8299	4	6°4884	8°9528			
693	4	18°0578	16°3192	4†	6°4368	4°4395			753	4	18°5408	20°0628	4*	7°1006	8°1572			
694	15	19°1603	16°4029	17	7°5436	4°4705			754	4	19°1190	20°2881	4	7°6883	8°3530			
695	29§	22°6085	16°0070	31§	10°9677	3°9070			755	5	20°2370	20°8336	4*	8°8312	8°4662			
696	5*	22°6223	16°5202	4	11°0105	4°4192			756	24§	21°7249	20°0578	29§	10°2813	7°9965			
697	60§	22°6900	16°6954	73§	11°0838	4°5925	70	90	6°0	757	4†	23°3026	20°4972	6	11°8757	8°3593		
698	7	23°5825	16°8740	7	11°9823	4°7293			758	3*	23°9796	20°8387	4	12°5673	8°6682			
699	34§	24°4782	16°7890	36§	12°8718	4°6000	70	92	9°3	759	30§	24°7203	20°3887	22§	13°2878	8°1825		
700				5	13°2057	4°3607			760	9	14°1505	21°8281	9	2°8025	10°1309			
701	18	25°4218	16°4600	19§	13°7997	4°2260			761	21§	14°6003	21°3509	25§	3°2285	9°6346	71	53	9°4
702	6	14°2676	17°5948	3*	2°7101	5°8957			762	4	15°1736	21°2622	3*	3°7966	9°5163			
703	6	15°2107	17°0093	5	3°6294	5°2658			763	22§	15°3748	21°0550	28§	3°9883	9°2985			
704	9	15°9078	17°0210	9	4°3252	5°2465			764	12	15°4012	21°4523	14§	4°0340	9°6940			
705	9	18°1045	17°5643	5	6°5478	5°6827			765	13	17°8990	21°9011	12	6°5486	10°0233			
706	22§	18°2796	17°0595	32§	6°6949	5°1697	71	56	9°2	766	8	17°9900	21°1602	6	6°6027	9°2787		
707	5	18°9488	17°2286	4	7°3717	5°3038			767	28§	20°0038	21°3837	32§	8°6255	9°4049	71	58	8°7
708	4	19°1427	17°0708	3*	7°5597	5°1362			768	4*	21°4478	21°5285	4*	10°0732	9°4794			
709	16§	19°6799	17°6228	16§	8°1208	5°6646			769	5*	22°1406	21°0261	4	10°7401	8°9418			
710	4*	21°3405	17°3763	4	9°7654	5°3349			770	5*	23°3097	21°6953	4	11°9428	9°5585			
711	16	22°4732	17°9551	14	10°9272	5°8608			771	17§	14°2356	22°5131	15	2°9188	10°8114			
712	5*	24°2727	17°2300	4	12°6898	5°0503			772	11	14°5090	22°4264	9	3°1859	10°7096			
713	4*	24°4499	17°7592	4	12°8963	5°5723			773	6*	15°6106	22°0287	4†	4°2698	10°2617			
714	3*	24°9306	17°2322	3*	13°3422	5°0216			774	8	16°4042	22°0858	4	5°0610	10°2771			
715	12	25°4627	17°1793	13	13°8763	4°9403			775	3*	17°5296	22°0682	3*	6°1837	10°2092			
716	4	14°1903	18°6889	4	2°6905	6°9943			776	4	18°6721	22°6498	4†	7°3572	10°7333			
717	6	15°8975	18°7400	(3)	4°3937	6°9618			777	9	18°8110	22°0793	6	7°4675	10°1586			
718	4	17°2912	18°2300	4	5°7652	6°3868			778	13	18°8221	22°5988	12	7°5042	10°6750			
719	10	19°3970	18°1517	8	7°8605	6°2050			779	15	19°5133	22°4751	13	8°1885	10°5183			
720	28§	21°5458	18°9848	28§	10°0503	6°9348	71	60	9°5	780				5	12°3995	10°0540		

No. 717. Plate 4601. The 6<sup>min.</sup> image is on a *réseau* line. The diameter given is that of the 3<sup>min.</sup> image.

1 *réseau* interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71° and 64".7 at Dec. + 72°.

## ZONE + 71°.

R.A. 1 <sup>h</sup> 0 <sup>m</sup> to 1 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 24 <sup>m</sup> —contd.											
Centre R.A. 1 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72°							
Plate 3303. 1896, Nov. 6.				Plate 4601. 1899, Aug. 9.				Plate 1678. 1893, Dec. 8.				Plate 4601. 1899, Aug. 9.							
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.				
781	8*	24.0536	22.0944	6	12.7066	9.9212	°	m.	835	19	4.8194	15.8994	21§	16.4589	3.7569	°	m.		
782	16	14.2010	23.2822	13	2.9216	11.5807			836	8	6.4671	15.4262	9	18.1262	3.3604				
783	6	15.5807	23.4095	4	4.3043	11.6427			837	4*	9.8026	15.6504	4*	21.4477	3.7449				
784	6	16.1449	23.1452	5	4.8566	11.3504			838	5*	2.7247	16.9436	8	14.3174	4.7022				
785	27§	16.7290	23.6048	29§	5.4615	11.7815			839				4	14.8824	4.8686				
786	8	17.6340	23.4290	6	6.3578	11.5620			840	15	4.4206	16.4140	14	16.0356	4.2537				
787	14	19.8908	23.3300	12	8.6079	11.3538			841	21	7.7059	16.1820	22§	19.3271	4.1752				
788	24	20.1665	23.3028	24§	8.8801	11.3138			842	4*	8.8406	16.9456	5*	20.4290	4.9919				
789	15	21.3691	23.8531	13	10.1066	11.8061			843	29§	11.7608	16.4022	38§	23.3694	4.5859				
790	15	22.9213	23.9006	13	11.6630	11.7800			844	54§	13.2229	16.1923	64§	24.8399	4.4426	70	107	8.5	
791	28	23.4173	23.4165	22§	12.1311	11.2704			845				5	14.0228	5.0899				
792	11*	24.6721	23.9527	12	13.4108	11.7440			846				3	14.4020	5.6601				
793	5†	14.7828	24.8722	6	3.5803	13.1409			847	4*	3.8450	17.4286	5	15.4140	5.2382				
794	5	15.8505	24.4651	4†	4.6213	12.6832			848	3*	5.1199	17.6206	4	16.6772	5.4900				
795	8	16.0517	24.6703	7	4.8370	12.8797			849	4*	5.9685	17.3044	5	17.5383	5.2147				
796	16	16.0610	24.7276	13	4.8510	12.9340			850	12	7.4562	17.9935	14	18.9920	5.9718				
797	18	16.1751	24.5686	18	4.9548	12.7712			851	4*	9.7796	17.7725	4*	21.3266	5.8594				
798	3*	17.1290	24.1277	4†	5.8838	12.2855			852	11	10.5139	17.8286	13	22.0565	5.9528				
799	37§	19.0283	24.4493	40§	7.7985	12.5118	71	57	8.9	853			5	22.3400	5.9358				
800	28§	19.1530	24.3516	24§	7.9193	12.4112			854	6	11.2368	17.4038	6	22.7976	5.5607				
801	3*	19.2116	24.5382	4*	7.9865	12.5962			855	26	2.8684	18.7095	24§	14.3761	6.4736	71	68	9.5	
802	5*	19.2814	24.2321	4*	8.0418	12.2860			856	8	3.5398	18.4861	10	15.0603	6.2827				
803	14	19.9775	24.6016	12	8.7517	12.6189			857	5	6.5688	18.3757	9	18.0898	6.3111				
804	12	20.0902	24.0756	9	8.8399	12.0863			858	6	6.9096	18.5982	8	18.4195	6.5519				
805	30	21.1501	24.6885	22§	9.9275	12.6468			859	5	7.7156	18.9438	7	19.2086	6.9340				
806	7†	21.2063	24.1584	6	9.9598	12.1167			860	4*	9.0574	18.6372	4	20.5640	6.6889				
807	13	21.2103	24.3668	10	9.9748	12.3273			861	8	9.6597	18.2672	8	21.1818	6.3512				
808				6	10.8098	12.5543			862	6	11.1465	17.9025	6	22.6834	6.0565				
809	81§	24.6584	24.7056	80§	13.4313	12.4960	71	64	6.8	863	6	12.4450	18.6963	7	23.9416	6.9093			
810	32	24.7598	24.1885	24§	13.5106	11.9758			864	6*	2.8395	19.5588	8	14.3124	7.3228				
811	10	17.4997	25.2294	11	6.3090	13.3655			865	14	3.9713	19.3479	14	15.4497	7.1641				
812	8	17.7698	25.0460	7	6.5705	13.1683			866	5*	5.0855	19.8822	7	16.5389	7.7456				
813	6	18.1037	25.1650	7	6.9095	13.2747			867	4*	7.3632	19.0565	4*	18.8471	7.0329				
814	3†	19.7487	25.2614	4	8.5569	13.2935			868	7	10.3227	18.9329	9	21.8152	7.0467				
815	55§	20.5331	25.6420	60	9.3583	13.6301	71	59	8.3	869			4	14.0110	8.6959				
816				4†	10.5359	13.8567			870	45§	3.3695	20.7951	38§	14.7808	8.5840	71	70	9.1	
817	38§	22.9793	25.0459	33§	11.7708	12.9177	71	62	9.4	871	22	3.5783	20.7427	19§	14.9918	8.5390	71	71	9.4
818	3*	23.2675	25.2672	5*	12.0752	13.1267			872	5*	3.6298	20.4536	7	15.0593	8.2541				
819				6	13.5005	13.5735			873	49§	3.6358	20.2160	44§	15.0739	8.0143	71	73	9.1	
R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 24 <sup>m</sup> .								R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 24 <sup>m</sup> .											
Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. +72°							
Plate 1678. 1893, Dec. 8.				Plate 4601. 1899, Aug. 9.				Plate 4601. 1899, Aug. 9.				Plate 4601. 1899, Aug. 9.							
820	14	2.5468	14.0300	18	14.2778	1.7835	°	m.	874	16	4.8080	20.2151	17§	16.2457	8.0675	°	m.		
821	11	3.4144	14.1939	15	15.1326	1.9895			875	6	6.6673	20.8418	8	18.0726	8.7808				
822	19	3.7110	14.0003	22§	15.4397	1.8079			876	9	9.9313	20.5417	9	21.3484	8.6342				
823	6	4.5661	14.0772	7	16.2876	1.9256			877	6	10.2263	20.1363	8	21.6607	8.2435				
824	5	5.3455	14.0679	6	17.0690	1.9523			878	26§	10.2305	20.1061	29§	21.6667	8.2131	71	79	9.5	
825	4*	2.7474	15.1049	5	14.4272	2.8719			879	7	13.0724	20.6627	8	24.4782	8.9028				
826	6*	3.4487	14.4246	6	15.1603	2.2184			880				5	14.6580	9.0108				
827	7	4.2694	14.2584	10	15.9855	2.0972			881	19	4.5309	21.2700	18§	15.9175	9.1094	71	75	9.3	
828	5	4.5165	14.6246	6	16.2142	2.4716			882	18	5.2899	21.1479	16§	16.6822	9.0228				
829	33§	5.8830	14.7584	40§	17.5728	2.6680	70	96	9.5	883	6	5.5147	21.2629	8	16.9020	9.1477			
830	18	7.3892	14.9655	25	19.0687	2.9468			884	4*	7.5824	21.5396	6	18.9505	9.5231				
831	40§	7.4790	14.6284	44§	19.1741	2.6144	70	101	8.3	885	6	7.7843	21.9773	7	19.1334	9.9698			
832	4*	2.3645	15.8293	7	14.0068	3.5737			886	25	8.4193	21.2576	24§	19.8033	9.2784				
833	11	3.6827	15.5843	15	15.3374	3.3904			887	17	8.4772	21.0934	18§	19.8692	9.1181				
834	10	4.4198	15.5005	12	16.0775	3.3406			888	16	9.5109	21.1139	19	20.9003	9.1884				
									889	5	9.8956	21.9029	6	21.2495	9.9938				
									890	10	9.9295	21.7466	12	21.2888	9.8404				
									891	10	10.4476	21.6537	12	21.8106	9.7693				
									892	10	11.5217	21.0790	10	22.9112	9.2454				
									893	37§	2.7738	22.5724	28§	14.1029	10.3280				



## ZONE + 71°.

R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 24 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1678. 1893, Dec. 8.				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4601. 1899, Aug. 9.				Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1678. 1893, Dec. 8.				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 3684. 1897, Oct. 25.					
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
R.A. 1 <sup>h</sup> 12 <sup>m</sup> to 1 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 24 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1678. 1893, Dec. 8.				R.A. 1 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4601. 1899, Aug. 9.				Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1678. 1893, Dec. 8.				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 3684. 1897, Oct. 25.					
894				4	14°6100	10°5714	°	m.	947	7	14°5145	15°0565	15	2°9258	3°3730	°	m.
895				4	15°0627	10°0475			948	8	14°7024	15°0523	13	3°1168	3°3599		
896	5*	6°1284	22°1114	4*	17°4762	10°0249			949				4	3°2541	3°8655		
897	27	7°8101	22°5034	27§	19°1354	10°4943			950	9	16°2538	14°8107	18	4°6523	3°0401		
898	6	8°2420	22°7106	8	19°5608	10°7198			951	7	16°4411	15°1388	13	4°8579	3°3593		
899				4	19°4474	10°0900			952	26§	17°1464	14°9123	42§	5°5468	3°0961	70	113
900	8	9°4934	22°5178	9	20°8162	10°5879			953	16	17°9373	15°4053	27§	6°3618	3°5493		
901	25§	9°9998	22°3839	30§	21°3279	10°4784	71	78	954	10	20°0175	15°7426	16	8°4571	3°7799		
902	14	11°0203	22°3469	15	22°3502	10°4891			955	11	21°0718	15°9280	21	9°5173	3°9108		
903	5*	11°8315	22°7169	4	23°1427	10°8966			956	3	21°6702	15°0811	8	10°0736	3°0368		
904	4	13°2453	22°1605	6*	24°5813	10°4074			957	8	21°7098	16°0305	10	10°1607	3°9795		
905	25	3°3781	24°0798	23§	14°6369	11°8595			958	20	22°0643	15°4481	27§	10°4864	3°3841		
906	3*	5°5271	23°5993	4	16°7979	11°4864			959	9	22°5962	15°5469	15	11°0208	3°4549		
907	10	5°7090	23°4080	13	16°9933	11°2999	71	76	960	8	22°6273	15°9945	14	11°0748	3°8998		
908	9	7°3309	23°4610	13	18°6121	11°4277			961	15	23°2123	15°3646	23§	11°6276	3°2409		
909	3	8°2931	23°3353	5	19°5788	11°3455			962				6	12°1344	3°8970		
910				4	20°8082	11°6535			963				4	12°1511	3°9130		
911	4*	10°5396	23°8032	5	21°7948	11°9245			964	4*	23°8722	15°7239	10	12°3033	3°5700		
912	4	10°6954	23°5197	7	21°9703	11°6447			965	4†	23°8993	15°9243	12	12°3428	3°7652		
913	8	11°3328	23°2715	7	22°6172	11°4254			966				5	12°7235	3°3604		
914	30§	11°5804	23°0635	30§	22°8752	11°2320	71	80	967				4	12°9406	3°7978		
915	9	12°5052	23°4770	10	23°7782	11°6883			968				5	13°9703	3°8544		
916	5	13°5648	23°1884	6	24°8500	11°4451			969	4*	14°3569	15°7329	9	2°8010	4°0578		
917	25§	13°8581	23°1455	27§	25°1469	11°4169			970				6	5°4789	4°4975		
918	42§	3°9360	24°5416	32§	15°1695	12°3479	71	72	971	22	18°7113	15°9172	37§	7°1598	4°0190	70	116
919	6*	4°3766	24°4983	8	15°6124	12°3190			972	12	19°2825	16°5548	22§	7°7632	4°6289		
920	4*	4°8100	24°4611	6	16°0478	12°3044			973	5	21°2813	16°2553	10	9°7410	4°2274		
921				5	17°3537	12°6150			974	19	21°3071	17°0015	26§	9°8092	4°9710		
922	4*	11°9756	24°0490	6†	23°2244	12°2331			975	6	22°7905	16°5399	18	11°2656	4°4363		
923	31§	12°3689	24°5972	30§	23°5894	12°7994	71	81	976				4	11°3269	4°5125		
924				8	14°9275	13°5094			977				6	11°4854	4°3346		
925	7†	7°1465	25°9585	14	18°3108	13°9128			978	28§	23°1048	16°4813	36§	11°5758	4°3609		
926	4*	8°8201	25°4291	5	20°0083	13°4652			979				5	11°9773	4°0128		
927	6*	9°0201	25°2797	10	20°2125	13°3235			980	5*	23°6010	16°9824	10	12°0993	4°8369		
928				4	21°6100	13°4054			981	9	24°0070	17°0784	16§	12°5080	4°9126		
929				6	22°0841	13°2399			982	18	24°4347	16°9891	22§	12°9308	4°8016		
930	7†	10°8945	25°1891	9	22°0910	13°3180			983				6	13°2891	4°7503		
931	29	12°3749	25°4163	28§	23°5592	13°6159	71	82	984	4*	15°9512	17°6839	6	4°4914	5°9253		
932	5*	13°3427	25°5291	4	24°5203	13°7730			985	5†	16°1519	17°7061	9	4°6963	5°9373		
R.A. 1 <sup>h</sup> 24 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> -								986	7	16°8855	17°4823	10	5°4164	5°6761			
Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1678. 1893, Dec. 8.				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 3684. 1897, Oct. 25.				987	8	18°0840	16°9748	20	6°5904	5°1068			
								988				4	9°0675	5°5171			
								989				5	10°6149	5°1095			
								990	5†	22°4023	17°2163	12	10°9115	5°1319			
								991				10	11°1376	5°4674			
								992				9	11°2026	5°8198			
933				6	13°0455	1°9468	°	m.	993	20	23°6150	17°4974	26§	12°1369	5°3497	71	85
934	20	25°2738	14°0984	28§	13°6247	1°8727			994				4	13°0353	5°7410		
935	57§	15°6919	14°4770	78§	4°0705	2°7322	70	112	995				6	13°1478	5°7484		
936	13	15°8623	14°5369	23§	4°2455	2°7873			996				8	13°4918	5°2930		
937	5	18°4322	14°7556	9	6°8241	2°8765			997	38§	16°0338	18°0580	47§	4°5955	6°2922	71	85
938	22	18°7624	14°1268	37§	7°1208	2°2285	70	115	998	13	16°6228	18°5007	23§	5°2044	6°7039		
939	16	19°0843	14°6139	24	7°4677	2°6994			999	11	16°7502	18°4099	22	5°3281	6°6075		
940	15	19°4279	14°5140	24	7°8055	2°5821			1000	25§	16°8675	17°9176	40§	5°4209	6°1103	71	86
941	4	19°6191	14°0635	10	7°9736	2°1240			1001				4	5°4758	6°8870		
942	26§	21°3064	14°2585	45§	9°6695	2°2318			1002	3*	17°0562	18°5924	6	5°6434	6°7730		
943				5	9°7226	2°8440			1003	6	17°3496	18°7898	13	5°9460	6°9568		
944				5	11°6686	2°8430			1004				5	9°5711	6°4988		
945	11	23°4760	14°3581	19	11°8400	2°2233			1005	17	22°5901	18°8288	22§	11°1806	6°7324		
946	29§	24°3209	14°2705	35§	12°6805	2°0938											

1 réseau represents very nearly 5' = 61°.4 of R.A. of Dec. + 71° and 64°.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 1 <sup>h</sup> 24 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> —contd.							R.A. 1 <sup>h</sup> 24 <sup>m</sup> to 1 <sup>h</sup> 36 <sup>m</sup> —contd.						
Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 1678. 1893, Dec. 8.							Centre R.A. 1 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 1678. 1893, Dec. 8.						
R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3684. 1897, Oct. 25.							R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3684. 1897, Oct. 25.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
B.D.							B.D.						
No.							No.						
Mag.							Mag.						
1006				4	11'2597	6'6974	1065	31§	14'7925	23'3324	38§	3'6215	11'6214
1007				10	12'1063	6'2537	1066	32§	15'4622	23'1952	43§	4'2824	11'4521
1008				4	13'1029	6'2441	1067	21	16'2263	23'5659	24	5'0645	11'7826
1009	27	24'8058	18'3620	30§	13'3696	6'1534	1068				4	5'5651	11'0033
1010	22	24'8250	18'8608	24§	13'4137	6'6516	1069				4	5'5801	11'9046
1011				4	13'9503	6'8908	1070	6	16'9613	23'2973	11	5'7844	11'4784
1012	13	16'2056	19'7502	18§	4'8512	7'9755	1071				6	8'0393	11'7388
1013	4†	17'3277	18'9076	10	5'9308	7'0759	1072	5*	21'1953	23'1864	10	10'0085	11'1588
1014				4	7'0615	7'5586	1073	20	21'9943	23'1659	25§	10'8054	11'0926
1015	15	18'5187	19'0955	22§	7'1277	7'2031	1074	4*	22'2425	23'2447	10	11'0580	11'1592
1016	44§	18'7433	19'4153	56§	7'3683	7'5110	1075				7	11'4325	11'1190
1017	3*	19'0628	19'8949	5	7'7126	7'9758	1076				12	13'3633	11'7199
1018				4	7'7293	7'2619	1077				7	4'2088	12'3702
1019				7	9'0313	7'4093	1078	4*	15'4001	23'7843	9	4'2520	12'0421
1020	19	21'5217	19'6079	27§	10'1518	7'5655	1079	22	17'1445	24'1327	24§	6'0095	12'3037
1021	16	21'8610	19'1725	24§	10'4700	7'1106	1080				9	6'7110	12'9318
1022				4	10'5597	7'8425	1081	7	18'9185	24'5896	11	7'8068	12'6751
1023				9	10'5603	7'8568	1082				4	7'8095	12'4414
1024	37§	22'9613	19'7625	40§	11'5977	7'6473	1083				5	8'1944	12'0536
1025				6	11'9708	7'3706	1084	9	19'3584	24'8840	18	8'2584	12'9410
1026				4	13'5131	7'7287	1085				6	8'4237	12'9080
1027				9	13'9118	7'3177	1086	12	19'6166	24'5226	23§	8'4980	12'5685
1028	4	16'5132	20'3930	9	5'1903	8'6003	1087	8	20'5919	24'8087	18§	9'4849	12'8036
1029	8	16'6082	20'4084	14	5'2863	8'6108	1088				8	9'7008	12'3890
1030	4	16'7641	20'4231	9	5'4435	8'6195	1089				4	11'5182	12'2503
1031				6	5'7827	8'0610	1090				5	3'2512	13'2063
1032				4	8'8264	8'1189	1091	4*	14'4015	25'3673	11	3'3314	13'6796
1033	16	20'7025	20'8135	23§	9'3962	8'8091	1092				8	3'3628	13'9043
1034	16	22'2630	20'2650	19§	10'9259	8'1814	1093				5†	4'4512	13'0986
1035				6	11'5144	8'3395	1094				4	4'8505	13'8405
1036				7	11'9402	8'5368	1095				8	5'1016	13'4206
1037	34	24'3001	20'9005	30§	12'9905	8'7152	1096	78§	17'4492	25'1715	88§	6'3675	13'3274
1038				7	13'2155	8'6683	1097				4	6'7150	13'6776
1039	8	24'6398	20'4406	19§	13'3073	8'2380	1098	5†	18'9347	25'7004	14§	7'8787	13'7785
1040	7*	24'8737	20'5047	16	13'5445	8'2910	1099	7	20'3104	25'3385	19§	9'2309	13'3498
1041	11	24'8894	20'6735	16	13'5678	8'4584	1100				4	9'7618	13'8998
1042				4	4'2508	9'2482	1101				3	9'9818	13'2118
1043	6	15'6924	20'9718	11	4'4008	9'2212	1102				5	11'3498	13'0699
1044	5†	16'1327	21'2991	10	4'8589	9'5234	1103				5	11'6171	13'4304
1045				4	5'3497	9'1613	1104	23	23'5204	25'6119	26§	12'4518	13'4578
1046				4	5'5589	9'2246	1105	5*	23'7929	25'5737	17§	12'7214	13'4041
1047	9	17'0360	20'9027	13	5'7393	9'0836	R.A. 1 <sup>h</sup> 36 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup>						
1048	4*	17'1672	21'4844	9	5'9013	9'6593	Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1722. 1893, Dec. 30.						
1049	34§	17'6429	21'4580	41§	6'3721	9'6077	R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3684. 1897, Oct. 25.						
1050				6	9'4202	9'9110	1106	16	4'3948	14'0243	33§	16'1797	1'9058
1051				5	11'3793	9'2363	1107	4*	4'1211	14'9032	20	15'8652	2'7717
1052				6	12'0075	9'0992	1108	31§	4'5785	14'9521	50§	16'3184	2'8401
1053				8	12'1974	9'1453	1109	33§	4'5878	14'6343	50§	16'3538	2'5236
1054				6	13'0485	9'0558	1110				15	16'9640	2'3868
1055	40§	15'1125	21'8200	52§	3'8649	10'0975	1111				7	18'0450	2'8344
1056	4*	15'6879	22'4188	5	4'4710	10'6623	1112	8	6'6866	14'6895	27	18'4367	2'6828
1057	3*	15'8107	22'5729	6	4'6018	10'8100	1113				5	18'7515	2'0712
1058				3	5'8336	10'3289	1114	5*	7'2281	14'5199	18	18'9838	2'5434
1059	9	18'4157	22'7396	14	7'2099	10'8493	1115	25	7'5714	14'1618	50§	19'3445	2'2000
1060	16	19'9112	22'2719	23§	8'6784	10'3078	1116	8	7'7759	14'1117	23	19'5535	2'1595
1061				4	9'6513	10'4400	1117	25§	8'7701	14'5094	53§	20'5260	2'6052
1062	30	22'5135	22'5547	31§	11'2928	10'4590							
1063	58§	22'9353	23'0701	56§	11'7393	10'9495							
1064				6	3'5853	11'9490							

No. 1040. This appears to be a double star. The components are measured as one mass. The 3<sup>min</sup>. images are separable and the co-ordinates of the smaller star appear to be greater than those of the larger by + '0055, - '0010.

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 1 <sup>h</sup> 36 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 1 <sup>h</sup> 36 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°				Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			
Plate 1722. 1893, Dec. 30.				Plate 3684. 1897, Oct. 25.				Plate 1722. 1893, Dec. 30.				Plate 3684. 1897, Oct. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.
1118	7	8°544	14°4528	22	20°7115	2°5592		1177	29§	4°8760	17°4330	41§	16°4910	5°3332	
1119	4*	9°2171	14°2452	10	20°9850	2°3636		1178	7	4°9656	17°4617	24§	16°5796	5°3683	
1120	3*	9°8151	14°1036	8	21°5892	2°2508		1179	15	5°1798	17°8507	27§	16°7754	5°7651	
1121	13	10°7668	14°1142	35	22°5392	2°3107	70 138 9°5	1180	35§	5°3152	17°2529	50§	16°9410	5°1765	71 105 9°0
1122	10	10°9079	14°0708	27	22°6806	2°2748	70 139 9°5	1181	15	5°4836	17°3763	30§	17°1005	5°3063	
1123	22§	11°2083	14°4206	47§	22°9648	2°6353	70 140 9°5	1182	4*	5°7578	17°5984	22	17°3650	5°5409	
1124	3*	11°2678	14°0815	7†	23°0405	2°2988		1183				8	17°4804	5°8692	
1125	3*	12°2452	13°9696	7	24°0215	2°2416		1184				10	17°6500	5°0616	
1126	31	2°4629	15°9002	42§	14°1585	3°6831		1185	5*	6°1919	17°8291	21§	17°7875	5°7921	
1127	8	3°7544	16°0063	28§	15°4408	3°8531		1186				10	18°2149	5°7430	
1128				11	15°6663	3°6653		1187	35§	7°2981	17°0666	58§	18°9310	5°0880	71 106 9°1
1129	18	4°4318	15°5870	33§	16°1398	3°4691		1188				4†	19°1682	5°6393	
1130	3*	5°4808	16°0319	8	17°1628	3°9633		1189	4*	7°6074	17°6497	18	19°2091	5°6842	
1131				9	17°6731	3°9137		1190	30§	7°6128	16°9665	50§	19°2485	5°0013	71 107 9°1
1132				11	18°3693	3°6673		1191	24§	8°0884	17°8647	38§	19°6801	5°9255	
1133	45§	7°0797	15°0155	69§	18°8128	3°0285	70 133 8°5	1192	13	8°1561	17°7121	28§	19°7537	5°7738	
1134				6	18°8319	3°5921		1193	16	8°6409	17°5664	29§	20°2482	5°6512	
1135				10	19°3286	3°5121		1194	9	9°0783	17°6848	23	20°6787	5°7910	
1136	13	7°9159	15°4929	27§	19°6238	3°5458		1195	20	10°5355	17°0008	40§	22°1663	5°1816	
1137	9	8°7559	15°5873	24	20°4580	3°6816		1196	4*	11°3055	17°4906	9	22°9100	5°7074	
1138	17	9°7494	15°8367	31	21°4387	3°9800		1197				9	24°6837	5°9593	
1139	7	11°0637	15°2217	26	22°7814	3°4290		1198	4*	2°4907	18°5170	20§	14°0550	6°3001	71 97 9°5
1140	4*	11°6459	15°3927	8	23°3536	3°6280		1199	15	3°5375	19°1429	25	15°0701	6°9755	
1141	7	11°7303	15°0590	24	23°4560	3°3000		1200	41§	3°6319	18°8590	58§	15°1786	6°6986	71 100 8°2
1142	7	11°8674	15°0160	24	23°5935	3°2641		1201				11	15°6290	6°7210	
1143	27§	13°1658	15°6070	67§	24°8631	3°9173	70 143 9°2	1202				6	15°6431	6°4021	
1144				14	14°7154	4°1840		1203				13	16°4373	6°1193	
1145	28	3°2946	16°4737	41§	14°9605	4°2972	70 125 9°5	1204	22	5°0792	18°5496	37§	16°6399	6°4579	
1146				17	15°1416	4°9407		1205	9	6°2696	19°0151	21	17°8049	6°9806	
1147				11	15°5235	4°4358		1206	8	6°9384	18°4300	21§	18°5015	6°4297	
1148	47§	3°9396	16°9333	62§	15°5811	4°7881		1207	11†	6°9984	18°3206	25§	18°5696	6°3235	
1149	21§	4°2600	16°5002	38§	15°9215	4°3716	70 128 9°0	1208	7	7°1527	18°3761	23§	18°7186	6°3876	
1150	32§	4°3501	16°5005	41§	16°0130	4°3775		1209				5	18°8150	6°2641	
1151				12	16°0565	4°1792		1210				4	19°0501	6°8517	
1152	7*	4°4190	16°8305	24	16°0658	4°7101		1211	24	8°0260	18°9286	35§	19°5646	6°9818	
1153	9*	4°4330	16°8020	25§	16°0793	4°6821		1212	11	8°1586	18°1019	23§	19°7374	6°1636	
1154				13	17°6710	4°3892		1213				4	19°8855	6°5069	
1155	13	6°0329	16°5019	28§	17°6914	4°4600		1214	4*	8°7005	18°4052	13	20°2644	6°4919	
1156				11	17°7349	4°9105		1215	4*	2°6872	19°6489	15	14°2000	7°4375	
1157	3*	6°1062	16°4059	8	17°7691	4°3699		1216	8	3°3133	20°1134	25§	14°7977	7°9335	
1158	10	6°2317	16°5760	25	17°8872	4°5423		1217				10	14°8950	7°7498	
1159	23§	6°7886	16°7412	39§	18°4353	4°7375		1218				11	15°4105	7°1604	
1160				7	18°7827	4°9363		1219				15	16°9750	7°0453	
1161	10	7°3424	16°4761	23§	19°0018	4°5000	70 134 9°5	1220	3*	5°5345	19°4296	17	17°0480	7°3613	
1162				6	19°5702	4°1316		1221				4	17°8284	7°0950	
1163	10	8°4860	16°0213	25§	20°1676	4°1003		1222	19	6°5809	19°3417	33§	18°1005	7°3236	
1164	3*	8°7764	16°3751	15	20°4411	4°4717		1223				15	18°7200	7°0345	
1165	27§	9°3252	16°6952	52§	20°9725	4°8142		1224				4	18°9451	7°4332	
1166	19	10°4185	16°0318	41§	22°0987	4°2069		1225				6	19°8997	7°1496	
1167	6	10°7690	16°1022	19	22°4436	4°2952		1226				8	22°9863	7°7233	
1168	4*	10°9323	15°8445	14	22°6201	4°0443		1227	6	11°5691	19°3426	18	23°0824	7°5698	
1169				5	14°1429	5°1743		1228	50§	2°6099	20°4904	56§	14°0803	8°2760	71 98 9°0
1170				11	14°3529	5°3873		1229				8	14°3400	8°5612	
1171	11	3°0265	17°3494	24§	14°6479	5°1598		1230				6	14°8228	8°9310	
1172				4	15°3474	5°4036		1231				14	15°1953	8°1899	
1173				15	15°4381	5°2077		1232	26	3°8408	20°1729	38§	15°3221	8°0188	
1174	3*	3°9294	17°2116	20§	15°5529	5°0662		1233				7	15°5931	8°8437	
1175				20§	15°6083	5°3580		1234	10*	4°9584	20°9082	23§	16°4017	8°8081	
1176				5	16°4899	5°7569		1235				4	16°4400	8°2216	

## ZONE + 71°.

R.A. 1 <sup>h</sup> 36 <sup>m</sup> to 1 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>								R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup>								
Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 1722. 1893, Dec. 30.				R.A. 1 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 3684. 1897, Oct. 25.				Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 1722. 1893, Dec. 30.				R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 2948. 1895, Nov. 14.				
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B.D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B.D.	
1236	6*	5.4475	20.2208	22§	16.9231	8.1441			1295	31§	22.6635	14.1344	42§	10.9465	1.9448	70 159 8.9
1237	4*	7.3257	20.1103	11	18.8108	8.1274			1296	33§	16.0395	14.2822	54§	4.3359	2.4228	
1238	22	8.4265	19.9860	34§	19.9115	8.0573			1297	24§	16.2069	14.3753	45§	4.5088	2.5111	70 147 9.1
1239	21§	9.3281	20.1533	34§	20.8050	8.2695			1298	4*	17.3808	14.7245	11	5.6975	2.8007	
1240				4	14.9357	9.6480			1299	4*	19.0063	14.6915	12	7.3207	2.6839	
1241	40§	3.5588	21.8254	47§	14.9590	9.6568			1300				10	9.2250	2.4394	
1242	24	3.7205	21.3254	36§	15.1466	9.1644			1301				6	10.7938	2.9325	
1243				18	15.6517	9.8212			1302	14	23.0941	15.0547	29§	11.4200	2.8418	
1244				14	15.6655	9.8040			1303	8	23.4854	14.8335	19§	11.8013	2.6023	
1245				4	19.0380	9.1539			1304				8	13.4600	2.6727	
1246				5	19.2703	9.9903			1305	10	16.9356	15.7807	24	5.3058	3.8774	
1247	8	8.0123	21.1355	22§	19.4408	9.1876			1306	4*	18.7473	15.8746	11	7.1213	3.8816	
1248	25	8.2666	21.7026	38§	19.6670	9.7638			1307	19	21.8312	15.8645	31§	10.1995	3.7152	
1249	4†	9.5536	21.2314	18	20.9738	9.3589			1308	6	22.3280	16.0425	19§	10.7043	3.8680	
1250	24	9.7980	21.3865	38§	21.2125	9.5268			1309	4*	24.3306	15.4233	16	12.6744	3.1483	
1251				6	21.2726	9.8882			1310				18	13.3033	3.7598	
1252	4	9.9785	20.9994	20	21.4122	9.1472			1311	9	25.0562	15.7028	22§	13.4146	3.3927	
1253	25	12.5391	21.2102	46§	23.9606	9.4854	71 109	8.5	1312				6	13.7340	3.3128	
1254	22	12.5357	20.8939	38§	23.9725	9.1679			1313	3*	16.5652	16.2827	10	4.9615	4.3962	
1255				4†	14.7488	10.0104			1314				8	6.3851	4.9122	
1256	50§	4.0978	22.6223	57§	15.4595	10.4780	71 102	8.8	1315	5	18.6637	16.1607	14	7.0518	4.1705	
1257				8	15.9688	10.8096			1316	9	19.7306	16.2666	20§	8.1238	4.2234	70 154 9.5
1258				5	18.5033	10.5914			1317				5	9.9468	4.6730	
1259				8	20.2001	10.3102			1318	9	22.2918	16.4782	22§	10.6905	4.3045	
1260				5	21.1694	10.3744			1319				6	12.6912	4.2566	
1261	6*	9.8563	21.9386	21§	21.2421	10.0780			1320				6	12.8838	4.5200	
1262				8	22.0538	10.4023			1321	68§	14.8963	16.8167	88§	3.3197	5.0133	71 111 7.4
1263	4*	11.5958	21.8923	15	22.9808	10.1175			1322				7	3.7206	5.8557	
1264				5	23.0148	10.8196			1323				4	4.7240	5.4708	
1265				13	23.7406	10.5910			1324	3*	16.2933	17.8298	8	4.7666	5.9533	
1266				11	14.0640	11.1475			1325				4	5.0848	5.7928	
1267				14	14.6004	11.0055			1326	12	16.6956	17.0957	25§	5.1308	5.2009	
1268	9*	3.8998	23.4820	27§	15.2170	11.3291	71 101	9.1	1327	16	17.6690	17.0671	27§	6.1043	5.1233	71 114 9.4
1269	40	4.1970	23.4883	46§	15.5142	11.3478	71 103	9.1	1328	5	19.2886	17.2006	15	7.7288	5.1770	
1270	56§	4.9511	23.1773	65§	16.2833	11.0747	71 104	8.7	1329	3*	20.2841	17.4437	10	8.7344	5.3693	
1271	5*	6.3457	23.7122	24§	17.6502	11.6795			1330	5*	22.4225	17.3136	17	10.8653	5.1336	
1272				13	19.1258	11.3228			1331				7	13.7268	5.5345	
1273				9	21.9498	11.7492			1332	4*	15.3983	17.8493	10	3.8756	6.0215	
1274				5†	23.7140	11.3578			1333				4	4.5034	6.7634	
1275				5	23.7774	11.7513			1334	4*	16.4896	18.4847	7	4.9975	6.6007	
1276				12	14.5817	12.3146			1335	8	17.2833	18.6410	18	5.7977	6.7159	
1277				4	15.4122	12.7920			1336	4*	17.8139	18.4547	9	6.3170	6.5041	
1278				6	16.0715	12.7930			1337	6	19.0741	18.4657	16	7.5739	6.4506	
1279				4	17.6216	12.2371			1338	6	19.7830	18.4460	17§	8.2821	6.3982	
1280	24	6.5750	24.5327	38§	17.8378	12.5085			1339				5	10.2093	6.9763	
1281				9	18.7871	12.6491			1340				12	10.9575	6.3464	
1282				20§	19.4465	12.0095			1341				4†	11.3694	6.3372	
1283				14	20.7345	12.4624			1342	55§	25.0424	18.6369	59§	13.5468	6.3233	71 119 8.0
1284	3*	10.4167	23.8543	14	21.7098	12.0188			1343	4†	15.1025	19.2417	11	3.6485	7.4264	
1285				13	22.0588	12.8613			1344				6†	3.7242	7.5955	
1286	3*	11.7195	23.9551	13	23.0050	12.1873			1345	8	15.8092	19.8497	17	4.3847	7.9976	
1287	3*	13.6368	24.2124	17	24.9100	12.5395			1346				5	4.5159	7.7672	
1288	6*	13.7289	24.5343	24§	24.9828	12.8620			1347	5*	16.3069	19.6934	12	4.8701	7.8168	
1289	43	3.4054	25.9851	49§	14.6006	13.7997	71 99	9.1	1348	18	17.1729	19.6199	30§	5.7357	7.6994	71 113 9.3
1290				10	19.4423	13.0183			1349				8	8.2313	7.1079	
1291				9	20.4188	13.0100			1350	4*	19.6984	19.5745	16	8.2567	7.5289	
1292				4	22.1021	13.1449			1351	9	19.8584	19.4140	19	8.4069	7.3603	
1293				8	22.4843	13.0370			1352				7	10.0922	7.2543	
1294				8	24.5203	13.1904			1353	8	22.4770	19.5660	17§	11.0298	7.3785	



## ZONE + 71°.

R.A. 1 <sup>h</sup> 48 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 12 <sup>m</sup> —contd.										
Centre R.A. 1 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				
Plate 1722. 1893, Dec. 30.			Plate 2948. 1895, Nov. 14.			Plate 3711. 1897, Nov. 13.			Plate 2948. 1895, Nov. 14.			Plate 3711. 1897, Nov. 13.			Plate 2948. 1895, Nov. 14.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
1354	51§	25°4392	19°6482	46§	13°9898	7°3119	71°	120	m.	1407	8	5°9017	17°7469	5†	17°5647	5°5760	°	m.	
1355				4	5°1933	8°1742				1408	16§	6°7691	17°2535	15	18°4534	5°1257			
1356	3*	21°0223	20°4933	10	9°6245	8°3795				1409	6†	7°1322	17°6278	4*	18°8000	5°5181			
1357				5	11°9281	8°3535				1410	5	9°1927	17°6716	4*	20°8529	5°6666			
1358				4	10°2374	9°3611				1411	10	9°3052	17°3546	6	20°9808	5°3556			
1359				4	4°4731	10°6497				1412	4	9°4433	17°6114	3*	21°1074	5°6196			
1360	11	16°9471	22°6285	21§	5°6605	10°7148				1413	13	9°4486	17°5262	13	21°1171	5°5309			
1361	5*	17°5173	22°4557	12	6°2209	10°5154				1414	22§	9°5581	17°8331	19	21°2119	5°8455			
1362	8	18°9980	22°2771	18§	7°6853	10°2593				1415	8	10°3528	17°3814	7	22°0265	5°4338			
1363	8	21°1277	22°3299	20§	9°8211	10°2087				1416	4	10°6723	17°8378						
1364				10	10°2988	10°0803				1417	4	11°5638	17°1244						
1365				4	10°9247	10°7567				1418	4	11°8077	17°7428						
1366				12	2°9441	11°6952				1419	53§	12°7335	17°6843	53§	24°3920	5°8541	71	128	9°0
1367				4	4°1108	11°5579				1420	14	13°0485	17°5317	10*	24°7130	5°7165			
1368				8	4°3293	11°8104				1421	11	2°4085	18°6748	9	14°0280	6°3274			
1369	6*	14°2697	24°0681	15§	3°0585	12°2868				1422	12	2°5256	18°0502	10	14°1775	5°7095			
1370	3*	15°1717	24°8050	13	3°9975	12°9788				1423	5*	3°1931	18°1336	4*	14°8412	5°8285			
1371				6	4°3885	12°0180				1424	6†	4°3785	18°0154	4*	16°0309	5°7665			
1372				10	4°5038	12°8766				1425	46§	6°2677	18°6291	38§	17°8859	6°4748	71	122	9°1
1373				19§	10°7968	12°4557				1426	7	8°2938	18°3878	6*	19°9211	6°3337			
1374				9	13°3540	12°8134				1427	6	8°6502	18°4724	5*	20°2733	6°4370			
1375	3*	14°0914	25°1678	15	2°9368	13°3978				1428	25§	9°0120	18°5124	24§	20°6308	6°4966	71	126	9°5
1376	29§	16°3996	25°5819	36§	5°2632	13°6890	71	112	9°4	1429	4	10°0465	18°6882	3*	21°8864	6°1199			
1377	3*	16°4676	25°7390	12	5°3377	13°8459				1430	5	10°2485	18°0752	8	22°9845	6°1592			
1378	6	17°7056	25°7965	19§	6°5788	13°8406	71	115	9°4	1431	10	11°3464	18°0570	4*	23°3650	6°7372			
1379				13	7°6928	13°5607				1432	6†	11°7531	18°6160	4*	24°4607	6°6689			
1380	168§	20°4156	25°3531	169§	9°2593	13°2620	71	117	4°0	1433	10	12°8444	18°4908	11	24°4607	6°6689			
1381				7	10°4601	13°2917				1434	15	13°4535	18°9309	15	25°0455	7°1388			
1382				9	12°0448	13°9528				1435	8	3°5323	19°3186	9	15°1176	7°0253			
R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 12 <sup>m</sup>									R.A. 2 <sup>h</sup> 12 <sup>m</sup> to 2 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				
Plate 3711. 1897, Nov. 13.			Plate 2948. 1895, Nov. 14.			Plate 3711. 1897, Nov. 13.			Plate 2948. 1895, Nov. 14.			Plate 3711. 1897, Nov. 13.			Plate 2948. 1895, Nov. 14.				
1383	12	4°1730	14°8591	11	15°9825	2°6037		m.	1436	22§	8°7871	19°4523	20	20°3603	7°4244				
1384	49§	5°5706	14°2886	45§	17°4078	2°1047	70	165	9°1	1437	3†	9°1998	19°5246						
1385	8	5°8146	14°7744	6*	17°6249	2°6025				1438	6†	9°3159	19°1289	4*	20°9029	7°1265			
1386	19	6°2187	14°4617	15	18°0438	2°3104				1439	4†	9°6606	19°4501						
1387	17	7°8798	14°2548	14	19°7123	2°1899				1440	27§	10°7825	19°3225	24§	22°3600	7°3959			
1388	5	8°1728	14°3484							1441	10	12°5884	19°2115	8†	24°1668	7°3740			
1389	22§	10°2962	14°1814	18	22°1300	2°2343				1442	7	12°7469	19°6200	4*	24°3044	7°7889			
1390	104§	2°7183	15°2751	95§	14°5073	2°9493	70	163	7°2	1443	7	12°9168	19°0869	4*	24°4994	7°2655			
1391	27§	3°9291	15°0268	23	15°7292	2°7588				1444	27§	13°8341	19°7872	31§	25°3842	8°0118			
1392	5	7°4770	15°6995							1445	26§	5°3839	20°8639	21§	16°8893	8°6640			
1393	6	8°2773	15°9156	5	20°0253	3°8638				1446	24§	6°2809	20°2075	20	17°8185	8°0510			
1394	4	12°4328	15°5201	4*	24°2144	3°7419				1447	20§	13°8916	20°8490	18	25°3863	9°0739			
1395	4	13°6826	15°4410							1448	10	11°7596	21°2465	6*	23°2364	9°3643			
1396	28	2°8447	16°8898	22	14°5547	4°5670				1449	6	11°9008	21°5244	4*	23°3712	9°6471			
1397	6	2°9004	16°4820	5*	14°6285	4°1626				1450	19	12°1892	21°3939	17	23°6607	9°5335			
1398	13	3°8946	16°2880	12	15°6316	4°0188				1451	6	13°9885	21°5773						
1399	4	6°0327	16°5709							1452	20	8°8640	22°2096	18	20°3002	10°1832			
1400	5	6°1499	16°7595							1453	10	9°0399	22°8300	8	20°4438	10°8107			
1401	6	9°0472	16°0018	6*	20°7927	3°9914				1454	11	10°3044	22°2229	10	21°7358	10°2682			
1402	5	10°1784	16°4726	4*	21°8979	4°5167				1455	5	10°8854	22°5908						
1403	26§	12°6411	16°2868	33	24°3665	4°4549				1456	9	11°5079	22°9102	6	22°9037	11°0111			
1404	5†	13°3718	16°1970							1457	4†	11°7721	22°8451						
1405	24§	4°8369	17°0116	21	16°5374	4°7889				1458	23§	12°5234	22°9301	20	23°9181	11°0842			
1406	5†	5°8274	17°9672	5	17°4767	5°7923				1459	9	3°2073	23°0712	6	14°6026	10°7608			
										1460	4†	4°7900	23°5212	4*	16°1633	11°2858			
										1461	11	5°0505	23°9386	7	16°4035	11°7158			
										1462	26	5°8200	23°9264	19	17°1715	11°7417			
										1463	20	8°2081	23°0530	16	19°6009	10°9928			
										1464	4*	9°1266	23°7283	3*	20°4839	11°7104			
										1465	8	9°2981	23°8680	7	20°6514	11°8574			

## ZONE + 71°.

R.A. 2 <sup>h</sup> 0 <sup>m</sup> to 2 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 12 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.				Centre R.A. 2 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 2948. 1895, Nov. 14.				Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.				Centre R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3637. 1897, Sept. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D. No. Mag.
1466	5	9.6301	23.1295	4*	21.0174	11.1375		1519	9	24.3807	15.8968	6	12.8426	3.6904	
1467	18	9.6803	23.7500	15	21.0370	11.7594		1520	9	24.8908	15.1003	6	13.3148	2.8670	
1468	7	10.4594	23.6818	6*	21.8181	11.7325		1521	7	14.0588	16.7329	5*	2.5746	5.0272	
1469	23§	10.8359	23.7559	20§	22.1906	11.8230		1522	15	14.8595	16.8199	14	3.3800	5.0758	
1470	23§	10.9903	23.7098	21	22.3501	11.7841		1523	4	15.0220	16.4200				
1471	5	12.0402	23.5570					1524	13	15.4067	16.8669	11	3.9298	5.0952	
1472	40§	2.7599	24.9002	23§	14.0710	12.5627		1525	6	15.7578	16.1816				
1473	58§	5.0722	24.1079	47§	16.4163	11.8859	71 121 8.7	1526	12	15.8086	16.3520	10	4.3067	4.5610	
1474	11	7.3137	24.4689	11	18.6391	12.3610		1527	5	15.9845	16.4597	3*	4.4885	4.6648	
1475	47§	9.1029	24.0160	41§	20.4481	11.9963	71 125 8.9	1528	17	16.1017	16.7920	14	4.6203	4.9873	
1476	63§	11.1997	24.5786	55§	22.5141	12.6653	71 127 8.4	1529	12	16.3011	16.8698	8	4.8223	5.0565	
1477	18	11.3902	24.0690	15	22.7305	12.1663		1530	18	16.4530	16.1583	17§	4.9408	4.3374	
1478	5	11.6743	24.1297	4*	23.0074	12.2378		1531	6	17.5672	16.0495	4*	6.0451	4.1724	
1479	11	13.5108	24.2213	6*	24.8398	12.4240		1532	11	17.6104	16.3302	6	6.1033	4.4519	
1480	34§	13.6025	24.5396	32§	24.9148	12.7453		1533	6	18.4615	16.3808	4	6.9598	4.4600	
1481	12†	5.7650	25.7018	7	17.0280	13.5153		1534	7	20.3023	16.8607	4	8.8188	4.8525	
1482	8†	6.0700	25.1468	7	17.3597	12.9750		1535	13	21.0884	16.9533	9	9.6090	4.9053	
1483	12	6.3988	25.2308	6	17.6855	13.0736		1536	11	21.3934	16.7124	8	9.9012	4.6495	
1484				4	17.8738	13.8815		1537	9	21.4772	16.6500	6	9.9800	4.5836	
1485	10†	7.4000	25.6855	7	18.6632	13.5813		1538	20§	22.6572	16.3369	18	11.1447	4.2118	
1486	4†	7.8493	25.7409	3*	19.1073	13.6628		1539	5	22.6679	16.8306				
1487	20§	8.7824	25.5446	16§	20.0510	13.5081		1540	14	23.7612	16.9858	8	12.2798	4.8074	
1488	26§	9.0078	25.4073	23§	20.2807	13.3225	71 124 9.3	1541	5	24.8393	16.2125				
1489	5†	9.7463	25.0509	4†	21.0394	13.0621		1542	71§	24.8908	16.3671	60§	13.3781	4.1325	70 181 8.4
1490	11	11.6014	25.1898	8	22.8837	13.2966		1543	26§	25.0330	16.9369	16	13.5455	4.6967	
1491	14	12.8743	25.5003	10	24.1383	13.6682		1544	8	15.8780	17.5335	6	4.4335	5.7399	
R.A. 2 <sup>h</sup> 12 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup>								1545	13	15.9265	17.2280	10	4.4673	5.4304	
Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 3711. 1897, Nov. 13.				Centre R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3637. 1897, Sept. 18.				1546	6	17.7961	17.3803	8	6.3450	5.4901	
1492	9	14.2768	14.0728	6*	2.6672	2.3604		1547	6	17.8043	17.3795				
1493	5†	16.5398	14.2713	3*	4.9362	2.4500		1548	11	18.8603	17.0183	7	7.3869	5.0770	
1494	5	17.2797	14.2718					1549	15	18.9828	17.5603	12	7.5365	5.6135	
1495	7	17.6526	14.3753	3*	6.0502	2.4962		1550	7	19.7320	17.9718	7	8.3027	5.9870	
1496	7	18.2096	14.3853	5*	6.6073	2.4827		1551	12	21.2024	17.0033	7	9.7240	4.9501	
1497	4	18.5214	14.7622					1552	26§	21.6206	17.4103	21§	10.1608	5.3352	
1498	8	18.8125	14.5866	4†	7.2202	2.6505		1553	4†	22.0670	17.7484	3*	10.6247	5.6504	
1499	4	19.8668	14.2395					1554	16	22.1968	17.7593	10	10.7525	5.6546	
1500	21§	20.4877	14.0755	20	8.8678	2.0605	70 174 9.4	1555	16	23.3926	17.3039	7	11.9272	5.1425	
1501	7	21.3142	14.8555	4	9.7316	2.8010		1556	6	23.7508	17.9323	6	12.3155	5.7517	
1502	14	21.7749	14.2691	10	10.1630	2.1899		1557				4	12.5300	5.1288	
1503	19§	22.2911	14.2859	15	10.6808	2.1827		1558	4†	24.7627	17.6415	4*	13.3102	5.4145	
1504	6	22.7123	14.8856	4*	11.1286	2.7579		1559	4*	24.7901	17.4597	3*	13.3292	5.2286	
1505	19	23.0650	14.0000	13	11.4395	1.8597		1560	9	14.1449	18.4358	5	2.7493	6.7250	
1506	5	23.1600	14.3256					1561	4†	15.2830	18.1292				
1507	4	23.2913	14.5967					1562	7	15.5195	18.8108	6*	4.1398	7.0302	
1508	26§	15.9403	15.4693	28§	4.3943	3.6742	70 170 9.5	1563	4	15.5383	18.5686	3*	4.1440	6.7883	
1509	26§	17.0762	15.0113	28§	5.5080	3.1625		1564	10	15.6886	18.0108	6	4.2689	6.2258	
1510	9	18.4131	15.2278	6	6.8531	3.3111		1565	8	16.6187	18.0872	6	5.2000	6.2541	
1511	10	20.2115	15.4404	7	8.6596	3.4352		1566	5	20.2449	18.7533	3	8.8526	6.7447	
1512	4	20.5142	15.9196					1567	52§	20.2929	18.1328	32§	8.8723	6.1208	71 139 8.7
1513	13	20.5737	15.4205	8	9.0195	3.3988		1568	8	20.3143	18.1197	4	8.8903	6.1070	
1514	15	20.7931	15.0355	11	9.2203	3.0028		1569	3	20.7323	18.3220				
1515	4*	20.7986	15.4462	3*	9.2470	3.4163		1570	62§	21.0635	18.9995	54§	9.6830	6.9483	71 141 8.5
1516	4	21.5024	15.6786					1571	10	22.7643	18.0600	7	11.3388	5.9274	
1517	24§	21.6990	15.5524	25§	10.1492	3.4767		1572	7	23.3587	18.2707	6	11.9387	6.1078	
1518	5†	23.7374	15.6134	4†	12.1864	3.4368		1573	6	23.4585	18.7260	5	12.0600	6.5575	
								1574	34§	23.6809	18.3218	25§	12.2635	6.1454	
								1575	33§	24.6325	18.1445	25§	13.2068	5.9215	71 148 9.5
								1576	16	16.9636	19.8358	13	5.6300	7.9853	
								1577	8	17.1453	19.2601	7	5.7815	7.3997	

No. 1546, 1547. Plate 3637. The images are not separable, and are measured as one mass.

1 réseau interval represents very nearly 5' = 61.84 of R.A. at Dec. +71° and 64.87 at Dec. +72°.



## ZONE + 71°.

R.A. 2 <sup>h</sup> 12 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.							R.A. 2 <sup>h</sup> 12 <sup>m</sup> to 2 <sup>h</sup> 24 <sup>m</sup> —contd.						
Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. +72°				Centre R.A. 2 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			
Plate 3711. 1897, Nov. 13.			Plate 3637. 1897, Sept. 18.				Plate 3711. 1897, Nov. 13.			Plate 3637. 1897, Sept. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.

## ZONE + 71°.

R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°				Centre R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°					
Plate 3706. 1897, Oct. 31.				Plate 3637. 1897, Sept. 18.				Plate 3706. 1897, Oct. 31.				Plate 3637. 1897, Sept. 18.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .			
B.D.								B.D.									
				No. Mag.								No. Mag.					
1690	17	4.7531	14.4445	13	16.4486	2.5119	°	1749	10	11.8375	17.5854	6	23.3674	6.0013	°		
1691	11	5.1995	14.2191	6	16.9031	2.3106	m.	1750	23§	12.0690	17.8966	24	23.5824	6.3263			
1692	6	7.4031	14.8815	5*	19.0713	3.0793		1751	9	12.4928	17.1141	6	24.0460	5.5631			
1693	5	8.5586	14.9405	4	20.2230	3.1986		1752	4†	12.5694	17.6402						
1694	18§	9.2524	14.9435	16	20.9157	3.2351		1753	19§	13.8666	17.8420	14	25.3800	6.3586			
1695	30§	9.2646	14.4662	32§	20.9518	2.7582		1754	4	2.6818	18.8215	5	14.1591	6.7808			
1696	7	11.9878	14.4239					1755	15	3.2153	18.0630	11	14.7297	6.0478			
1697	4†	13.3385	14.5634					1756	30§	4.6736	18.3635	25§	16.1724	6.4218			
1698	22§	2.8913	15.0245	18	14.5606	2.9985		1757	16§	5.6491	18.6736	13	17.1328	6.7797			
1699	64§	3.8410	15.2071	58§	15.4993	3.2276	70 186	8.5	1758	4	7.4805	18.0628					
1700	49§	3.9568	15.0055	44§	15.6234	3.0348	70 187	9.0	1759	21§	8.1384	18.8387	16	19.6090	7.0700		
1701	6	4.1551	15.7341	6	15.7855	3.7712		1760	4	10.0908	18.5402	3*	21.5744	6.8686			
1702	42§	4.4735	15.4662	38§	16.1197	3.5197	70 188	9.5	1761	5	10.5467	18.1030					
1703	4	5.0418	15.5953	3*	16.6800	3.6769		1762	6	11.2078	18.3147	5	22.7005	6.6978			
1704	8	5.4699	15.5143	6	17.1096	3.6167		1763	6	12.1512	18.4469	5	23.6363	6.8783			
1705	4*	5.5075	15.5020	3*	17.1436	3.6076		1764	20§	13.0906	18.3391	18	24.5805	6.8181			
1706	17§	7.1965	15.9330	14	18.8124	4.1195		1765	20§	13.2935	18.2445	17	24.7890	6.7326			
1707	23§	7.6312	15.5259	21§	19.2690	3.7353		1766	7	13.5180	18.9261						
1708	20§	8.1082	15.4434	15	19.7492	3.6760		1767	32§	13.6968	18.1389	32	25.1948	6.6476			
1709	6	8.4946	15.1933	5*	20.1466	3.4436		1768	4	13.7887	18.8715						
1710	16	9.1677	15.6420	13	20.7956	3.9275		1769	15	13.9117	18.4470	(7)	25.3946	6.9675			
1711	4	9.8101	15.4273					1770	15	3.6441	19.7353	10	15.0763	7.7409			
1712	7	10.2883	15.4366	8*	21.9291	3.7785		1771	8	4.4108	19.4751	6	15.8531	7.5200			
1713	3	10.5495	15.1358					1772	14	5.6842	19.3865	9	17.1306	7.4956			
1714	4	11.1250	15.7477					1773	11	5.9185	19.7160	7	17.3499	7.8362			
1715	67§	11.3406	15.6148	70§	22.9698	4.0073	70 199	8.0	1774	34§	6.7802	19.5774	26§	18.2178	7.7401		
1716	7	11.5137	15.1662	5*	23.1616	3.5734		1775	6	7.3262	19.8615						
1717	20§	13.2917	15.7368	22	24.9109	4.2301		1776	18§	7.8259	19.4081	12	19.2694	7.6224			
1718	7	13.6533	15.3944					1777	13	8.6435	19.1145	8	20.1003	7.3705			
1719	47§	2.6463	16.9351	36§	14.2201	4.8962	71 149	9.5	1778	45§	9.8524	19.4244	41§	21.2929	7.7396	71 155	9.2
1720	4	2.8260	16.1777	4	14.4320	4.1476		1779	6	11.1062	19.7807	5	22.5255	8.1580			
1721	4	2.8462	16.1383	3	14.4571	4.1099		1780	7	11.1867	19.8072	5	22.6025	8.1905			
1722	28§	4.6886	16.4895	24§	16.2816	4.5508		1781	18	11.7183	19.6792	14	23.1433	8.0885			
1723	6	5.0797	16.9853	5	16.6464	5.0673		1782	37§	11.7214	19.0008	35§	23.1808	7.4092			
1724	31§	5.1270	16.7335	23§	16.7060	4.8161		1783	8	12.7056	19.6246	6	24.1322	8.0810			
1725	19	8.3218	16.8659	15	19.8910	5.1086		1784	21§	12.8503	19.2398	19	24.2970	7.7051			
1726	5	8.9212	16.7958	4*	20.4907	5.0692		1785	7	13.1564	19.8853	4	24.5688	8.3655			
1727	11	9.2444	16.0803	7	20.8493	4.3711		1786	25§	13.2344	19.0935	29	24.6863	7.5785			
1728	20§	9.4383	16.9960	14	21.0005	5.2943		1787	25§	6.1696	20.7635	20§	17.5494	8.8923			
1729	63§	10.7335	16.9708	61§	22.2976	5.3342	71 157	8.5	1788	20§	6.8996	20.7850	16	18.2746	8.9503		
1730	82§	10.7670	16.1976	78§	22.3675	4.5628	70 198	7.0	1789	10	7.6523	20.2165	6	19.0565	8.4232		
1731	11	11.2786	16.7579	7	22.8498	5.1493		1790	21§	8.3685	20.5855	19§	19.7517	8.8265			
1732	14	11.4246	16.7662	7	22.9918	5.1656		1791	10	8.6703	20.3045	6	20.0690	8.5585			
1733	21§	11.5870	16.1214	16	23.1895	4.5262		1792	4*	10.0609	20.0640	3*	21.4707	8.3874			
1734	18	12.6088	16.5614	15	24.1896	5.0170		1793	15	10.1239	20.9130	11	21.4890	9.2390			
1735	5	13.8574	16.7725					1794	6	11.4295	20.5059	3†	22.8113	8.8989			
1736	43§	13.9415	16.5831	54§	25.5198	5.1058	71 161	9.1	1795	6	13.5259	20.5665					
1737	4*	2.6403	17.9850	5	14.1599	5.9433		1796	27§	13.9493	20.5068	30§	25.3297	9.0275	71 160	9.4	
1738	46§	2.8669	17.9077	27§	14.3916	5.8772		1797	13	4.1137	21.1608	11	15.4743	9.1885			
1739	21	3.8767	17.8501	16§	15.4023	5.8693		1798	4*	4.3840	21.9029	3*	15.7103	9.9396			
1740	4*	4.7881	17.5698	4*	16.3268	5.6377		1799	9*	4.6090	21.2444	6	15.9648	9.2962			
1741	24§	5.3259	17.7484	20§	16.8537	5.8405		1800	8	4.7771	21.4769	6	16.1203	9.5379			
1742	6	6.0562	17.3161	4	17.6061	5.4479		1801	7	5.1227	21.4119	5	16.4698	9.4889			
1743	19§	6.8450	17.4042	16	18.3907	5.5712		1802	13	5.2987	21.7953	11	16.6251	9.8815			
1744	5	7.9380	17.8656	5	19.4566	6.0895		1803	43§	5.5500	21.4479	36§	16.8952	9.5480	71 150	9.3	
1745	3	8.6525	17.9550					1804	14	6.1830	21.4551	12	17.5273	9.5847			
1746	22§	8.7993	17.5824	22§	20.3330	5.8472		1805	5	7.7500	21.0748	4	19.1110	9.2815			
1747	15	9.7877	17.0953	11	21.3431	5.4103		1806	4	8.4057	21.7363						
1748	4	11.8283	17.2150					1807	18§	8.6570	21.0647	15§	20.0160	9.3186			

No. 1769. Plate 3637. The 6<sup>min.</sup> image is not measurable. The diameter given is that of the 3<sup>min.</sup> image.

1 *réseau* interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R. A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 36 <sup>m</sup> —contd.								R. A. 2 <sup>h</sup> 24 <sup>m</sup> to 2 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R. A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R. A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°				Centre R. A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R. A. 2 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			
Plate 3706. 1897, Oct. 31.				Plate 3637. 1897, Sept. 18.				Plate 3706. 1897, Oct. 31.				Plate 3637. 1897, Sept. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
1808	18	10°06'18	21°78'56	14	21°38'34	10°10'83	°	1867	5*	7°14'13	25°73'25	5	18°27'06	13°90'43	°
1809	33§	12°00'48	21°89'40	30§	23°31'81	10°31'34	71 159	1868	17	7°86'42	25°49'20	9	19°00'43	13°70'12	m.
1810	4	13°04'75	21°55'53	3*	24°37'58	10°02'75		R. A. 2 <sup>h</sup> 36 <sup>m</sup> to 2 <sup>h</sup> 48 <sup>m</sup>							
1811	8	13°35'12	21°94'03	6	24°66'21	10°42'80		Centre R. A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°							
1812	18§	13°52'25	21°62'17	13	24°84'95	10°11'76		R. A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°							
1813	4	13°80'97	21°82'08					Plate 3706. 1897, Oct. 31.							
1814	6*	3°96'15	22°37'25	4	15°26'00	10°38'68		Plate 1701. 1893, Dec. 21.							
1815	10	4°61'84	22°27'55	9	15°92'20	10°32'83		1869	9	15°53'81	14°24'41				°
1816	11	4°75'91	22°90'25	7	16°03'20	10°95'90		1870	4†	16°57'03	14°38'08				m.
1817	10*	5°74'73	22°03'50	6	17°06'00	10°14'35		1871	25§	17°23'49	14°01'83	25	5°50'14	2°29'72	
1818	11	6°06'78	22°59'64	9	17°35'56	10°72'03		1872	18	18°67'33	14°92'90	13*	6°98'13	3°13'67	
1819	11	6°51'94	22°79'11	8	17°79'38	10°93'65		1873	20	19°13'38	14°30'95	12	7°40'14	2°49'35	
1820	6	7°38'74	22°05'58	4	18°69'89	10°24'75		1874	21§	20°49'95	14°12'75	14	8°76'72	2°24'23	
1821	17	7°95'93	22°79'45	12	19°23'28	11°01'18		1875	11	21°31'81	14°79'19	6*	9°61'83	2°86'67	
1822	26§	8°11'82	22°03'23	22§	19°43'08	10°25'80	71 152	1876	23	22°76'74	14°84'78	16	11°06'68	2°84'98	
1823	40§	9°23'02	22°81'57	39§	20°50'15	11°09'75	71 154	1877	8	23°35'24	14°51'30	6	11°63'60	2°48'80	
1824	10	9°28'20	22°20'47	8	20°58'32	10°48'74		1878	10	23°55'63	14°91'57	7	11°85'79	2°87'78	
1825	18§	10°42'82	22°17'42	15§	21°73'01	10°51'46		1879	37§	24°82'28	14°17'10	28§	13°08'45	2°07'08	70 212
1826	19§	10°95'40	22°58'47	15	22°23'37	10°94'90		1880	6	15°00'75	15°74'81				9°5
1827	15	10°96'93	22°19'32	11	22°27'04	10°56'00		1881	9	15°91'05	15°19'87	6*	4°23'48	3°53'92	
1828	33§	11°17'33	22°51'23	28§	22°45'95	10°88'85		1882	4	16°13'40	15°56'09				
1829	50§	11°70'60	22°28'82	48§	23°00'20	10°69'45	71 158	1883	4	16°90'06	15°44'82	3*	5°23'46	3°73'07	
1830	6	12°17'94	22°57'65	4	23°45'79	11°00'45		1884	9	17°91'25	15°67'90				
1831	7	12°56'92	22°60'35	5*	23°84'83	11°04'97		1885	12	18°10'81	15°06'76	7	6°42'40	3°29'97	
1832	22§	13°43'84	22°29'53	18	24°73'04	10°78'66		1886	5	19°02'00	15°45'79	4*	7°35'72	3°64'69	
1833	10	13°58'77	22°77'59	10	24°83'30	11°27'65		1887	38§	20°30'65	15°65'70	34§	8°65'03	3°77'94	70 210
1834	9	2°95'98	23°43'83	7	14°20'85	11°40'71		1888	56§	20°63'51	15°95'10	51§	8°99'43	4°05'46	9°4
1835	15	5°31'27	23°33'50	13	16°56'33	11°41'86		1889	19	21°80'56	15°85'37	11	10°15'62	3°90'18	70 211
1836	36§	5°78'83	23°12'27	25§	17°04'98	11°22'92	71 151	1890	5*	25°64'58	15°33'63	3*	13°96'48	3°19'12	8°6
1837	4†	6°10'73	23°80'70	4	17°32'85	11°93'23		1891	8	15°42'21	16°78'73				
1838	4	8°78'09	23°32'61	4†	20°02'96	11°58'54		1892	4	15°67'61	16°32'57	3*	4°04'99	4°68'09	
1839	13	9°60'02	23°64'75	7	20°82'95	11°94'65		1893	4	16°49'41	16°14'56				
1840	23§	11°04'93	23°33'66	18	22°29'28	11°70'75		1894	7	17°47'19	16°25'99	6*	5°84'93	4°52'23	
1841	15	12°23'73	23°13'50	10	23°48'94	11°56'54		1895	4†	19°41'44	16°87'70				
1842	5	12°64'00	23°65'54	4*	23°86'47	12°10'47		1896	10	19°62'22	16°39'64	6*	8°00'33	4°55'27	
1843	21§	13°03'17	23°66'94	17	24°25'56	12°13'83		1897	4	20°66'63	16°24'58	3*	9°04'13	4°34'97	
1844	6*	3°45'80	24°41'26	5	14°65'40	12°40'57		1898	8	21°84'48	16°69'08	6*	10°23'77	4°73'48	
1845	6*	3°61'80	24°22'64	6	14°82'39	12°22'81		1899	39§	22°05'98	16°49'37	35§	10°44'34	4°52'78	71 174
1846	4*	4°46'39	24°24'50	4†	15°66'99	12°28'68		1900	5	22°15'68	16°55'52	3*	10°54'33	4°58'36	9°5
1847	5*	4°55'85	24°69'27	4	15°74'48	12°73'58		1901	37§	22°64'20	16°07'99	27§	11°00'30	4°08'48	
1848	21§	4°78'55	24°61'65	13	15°97'23	12°67'46		1902	8	24°28'62	16°26'10	5	12°65'30	4°18'56	
1849	18	6°18'16	24°28'50	12	17°38'15	12°41'22		1903	42§	24°65'93	16°00'05	27§	13°01'53	3°90'57	
1850	4*	6°86'18	24°34'17	4	18°05'90	12°50'41		1904	4	14°06'89	17°14'14				
1851	4	6°88'02	24°43'22	4†	18°07'01	12°59'57		1905	6	14°19'49	17°27'06				
1852	6*	6°99'65	24°86'21	5*	18°17'07	13°02'86		1906	22§	14°87'15	17°48'05	19	3°31'21	5°87'07	
1853	31§	7°55'69	24°58'59	20§	18°74'17	12°78'07		1907	73§	15°63'14	17°44'32	71§	4°06'88	5°79'53	71 165
1854	43§	8°14'82	24°72'76	28§	19°32'51	12°95'15		1908	21§	15°89'87	17°33'51	16	4°33'33	5°67'53	8°0
1855				3	19°44'78	13°10'90		1909	5	17°62'96	17°67'64				
1856	69§	9°19'73	24°33'49	63§	20°39'24	12°60'90	71 153	1910	66§	18°05'58	17°89'55	60§	6°51'39	6°12'83	71 171
1857	4†	9°96'73	24°24'47	4†	21°16'64	12°56'02		1911	4	18°32'38	17°68'31				7°7
1858	13	10°94'16	24°20'65	11	22°14'23	12°57'09		1912	26§	18°71'68	17°07'30	20	7°13'31	5°27'27	
1859	10	11°00'83	24°37'34	7	22°20'00	12°73'85		1913	4*	19°96'35	17°03'38	4*	8°37'45	5°17'17	
1860	8	12°04'87	24°98'58	7	23°20'88	13°40'60		1914	6	24°79'35	17°56'66	6	13°22'64	5°46'25	
1861	5	12°72'09	24°52'76					1915	15	24°99'13	17°95'45	15	13°44'17	5°83'93	
1862	53§	3°15'04	25°57'81	29§	14°29'43	13°55'10		1916	4*	25°09'76	17°33'50	4*	13°51'58	5°21'79	
1863	30	3°56'28	25°19'67	19§	14°72'30	13°19'35		1917	24§	14°81'59	18°24'48	23	3°29'66	6°63'75	
1864	32§	4°79'83	25°49'48	20§	15°94'05	13°55'06		1918	8	14°93'67	18°28'59	6*	3°41'95	6°67'62	
1865	13	6°17'81	25°45'19	7	17°32'00	13°57'74		1919	13	15°09'85	18°16'59	8*	3°57'46	6°54'62	
1866	8	6°79'63	25°42'57	5	17°94'10	13°58'11									

## GREENWICH ASTROGRAPHIC CATALOGUE, 1900.

## ZONE + 71°.

R.A. 2 <sup>h</sup> 36 <sup>m</sup> to 2 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 2 <sup>h</sup> 36 <sup>m</sup> to 2 <sup>h</sup> 48 <sup>m</sup> —contd.										
Centre R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 2 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				
Plate 3706. 1897, Oct. 31.			Plate 1701. 1893, Dec. 21.			Plate 3706. 1897, Oct. 31.			Plate 1701. 1893, Dec. 21.			Plate 3706. 1897, Oct. 31.			Plate 1701. 1893, Dec. 21.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
1920	4	15.3437	18.1361						1979	10	16.8272	22.2683	8	5.5023	10.5587				
1921	6	15.7976	18.0971						1980	6	16.8684	22.3549	4†	5.5497	10.6398				
1922	24§	16.7133	18.0843	18	5.1838	6.3844			1981	12	17.4787	22.4931	7	6.1663	10.7485				
1923	51§	17.1261	18.4168	48§	5.6102	6.6958	71	168	1982	41§	18.0008	22.3095	32§	6.6794	10.5399	71	170		
1924	4*	17.3185	18.9353	4*	5.8271	7.2053			1983	9	18.6496	22.9698	7	7.3581	11.1650				
1925	19§	17.3313	18.9122	17	5.8383	7.1787			1984	23§	19.0265	22.2547	15	7.6984	10.4352				
1926	8	17.3588	18.6612	7*	5.8538	6.9272			1985	11	20.2224	22.3139	6	8.8995	10.4343				
1927	7	18.0110	18.1634	5*	6.4818	6.3982			1986	9	23.1044	22.6444	7	11.7940	10.6184				
1928	19	18.5309	18.5780	15	7.0230	6.7853			1987	35§	23.3519	22.3907	20§	12.0283	10.3525	71	176		
1929	24§	19.9550	18.2359	21	8.4264	6.3720			1988	6	14.0595	23.1769							
1930	14	20.6560	18.8231	7	9.1569	6.9255			1989	8	15.5335	23.5950	7†	4.2804	11.9486				
1931	12	21.0725	18.1660	9	9.5407	6.2494			1990	5	16.1103	23.8163	4*	4.8680	12.1414				
1932	54§	23.7005	18.6433	40§	12.1877	6.5924	71	177	1991	3*	17.9500	23.9287	4*	6.7122	12.1590				
1933	21§	24.2159	18.5149	13	12.6959	6.4383			1992	4	19.8228	23.0115	4*	8.5343	11.1502				
1934	15	24.7710	18.0183	8	13.2272	5.9139			1993	7	21.5651	23.9362	4	10.3212	11.9875				
1935	4	14.5173	19.7749						1994	11	23.8219	23.9830	10	12.5757	11.9198				
1936	5	15.4035	19.3437	5*	3.9378	7.7081			1995				5	13.9079	11.5423				
1937	6	15.7311	19.2930	5*	4.2648	7.6384			1996	8	15.7274	24.4244	6	4.5155	12.7648				
1938	9	15.7898	19.9160	6	4.3522	8.2601			1997	4	16.0525	24.4855	3*	4.8402	12.8098				
1939	5	16.3551	19.6084						1998	74§	16.8573	24.9557	57§	5.6689	13.2425	71	167		
1940	5	16.5675	19.9460						1999	8	17.3250	24.5189	5	6.1166	12.7803				
1941	8	16.7371	19.4455	6*	5.2743	7.7445			2000	17	17.5532	24.1530	9	6.3255	12.4029				
1942	4	16.7493	19.5130	4*	5.2923	7.8080			2001	18	17.6755	24.0095	10	6.4376	12.2525				
1943	7	17.0816	19.1688	5*	5.6041	7.4522			2002	19	17.9160	24.3451	10	6.6970	12.5769				
1944	12	19.2217	19.8753	8	7.7765	8.0460			2003	13	18.0963	24.3580	10	6.8748	12.5805				
1945	26§	21.2837	19.5590	21§	9.8210	7.6269			2004	5†	18.0972	24.1278	4*	6.8658	12.3520				
1946	34§	21.9682	19.9923	23§	10.5253	8.0270			2005	4*	19.0610	24.6077	4*	7.8523	12.7800				
1947	6†	23.2009	19.5487	5	11.7338	7.5250			2006	20	22.1074	24.3658	14	10.8832	12.3882				
1948	22§	23.5187	19.2765	13	12.0393	7.2359			2007	6*	22.2505	24.4226	5	11.0258	12.4353				
1949	21	24.7789	19.6609	11	13.3173	7.5558			2008	4*	22.2544	24.6043	6	11.0361	12.6209				
1950	4	14.5827	20.5139						2009	7*	17.6190	25.4288	5	6.4534	13.6753				
1951	64§	14.8058	20.3824	62§	3.3913	8.7739	71	163	2010	29§	18.6120	25.3350	20§	7.4395	13.5312				
1952	28§	15.1516	20.3860	25	3.7377	8.7624	71	164	2011	16	19.5884	25.3308	12	8.4148	13.4765				
1953	3	16.3850	20.5537						2012	20§	20.1913	25.6799	12	9.0346	13.7990				
1954	23§	16.5003	20.3866	20	5.0861	8.6953	71	166	2013	5*	21.5280	25.7388	5†	10.3735	13.7898				
1955	28§	18.0173	20.0035	27§	6.5780	8.2354			2014	41§	23.1664	25.1428	26§	11.9785	13.1110	71	175		
1956	3	18.1046	20.8139	3*	6.7075	9.0402			2015	23	23.9116	25.0755	16	12.7235	13.0070	71	178		
1957	5	18.1656	20.5438	4	6.7543	8.7659			2016	37§	24.9010	25.5142	20	13.7311	13.3968				
1958	13	18.3328	20.3365	7	6.9122	8.5505			R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup>										
1959	37§	18.5904	20.9673	25§	7.2002	9.1699	71	172	Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				
1960	38§	18.8444	20.9945	32§	7.4555	9.1848	71	173	Plate 1693. 1893, Dec. 14.			Plate 1701. 1893, Dec. 21.			Plate 1693. 1893, Dec. 14.				
1961	13	19.0716	20.3085	7	7.6468	8.4875			2017	4*	9.0051	14.7101	7*	20.7340	2.7824				
1962	19§	20.0280	20.2250	16	8.5987	8.3580			2018	17	10.4047	14.7856	29	22.1276	2.9248				
1963	28§	20.1338	20.3156	24§	8.7099	8.4419			2019	30§	10.7194	14.6296	50§	22.4512	2.7850	70	223		
1964	9	23.1703	20.4250	6	11.7476	8.4005			2020	7	12.4781	14.4550	9*	24.2134	2.6990				
1965	32§	23.2406	20.6351	21§	11.8289	8.6052			2021	24	12.5307	14.4331	40§	24.2693	2.6779	70	226		
1966	29	24.7755	20.2029	16	13.3404	8.0968			2022	4*	6.5574	15.8714	6	18.2285	3.8168				
1967				4	13.7644	8.4545			2023	46§	11.0574	15.5504	73§	22.7430	3.7191	70	225		
1968	18	14.8957	21.6611	12	3.5645	10.0455			2024	6	11.9193	14.9595	19	23.6321	3.1752				
1969	5	16.3388	21.0463	4	4.9567	9.3609			2025	38§	13.4957	15.4257	63§	25.1845	3.7175	70	227		
1970	32§	17.1515	21.2622	25§	5.7792	9.5341	71	169	2026	4*	5.8445	16.4297	8	17.4911	4.3436				
1971	6	21.8344	21.7255	4	10.4778	9.7622			2027	21§	8.8971	16.7962	31§	20.5227	4.8619	71	183		
1972	23	22.5422	21.5155	14	11.1748	9.5200			2028	16	10.5618	16.0072	27§	22.2230	4.1550	70	222		
1973	6*	24.5656	21.2778	4	13.1822	9.1822			2029				8	14.0100	5.5250				
1974	27§	25.3053	21.9890	18	13.9593	9.8542			2030	11	3.5309	18.0604	19§	15.0990	5.8588				
1975	6	14.5697	22.1666	6†	3.2464	10.5653			2031	5*	3.7314	17.4349	11	15.3295	5.2445				
1976	3	14.6725	22.7344																
1977	5	15.7105	22.7616	4*	4.4168	11.1057													
1978	19§	16.1404	22.5242	12	4.8315	10.8474													

1 réseau interval represents very nearly 5' = 61".4 at Dec. +71°, and 64".7 at Dec. +72°.



## ZONE + 71°.

R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.				R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.				Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.				R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
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Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
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Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
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R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
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Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
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Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
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Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.								Centre R.A. 3 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 1693. 1893, Dec. 14.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1701. 1893, Dec. 21.								R.A. 3 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 2990. 1896, Feb. 3.							
R.A. 2 <sup>h</sup> 48 <sup>m</sup> to 3 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 0 <sup>m</sup> to 3 <sup>h</sup> 12							

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. +71°, and 64.7 at Dec. +72°.

## ZONE + 71°.

R.A. 3 <sup>h</sup> 12 <sup>m</sup> to 3 <sup>h</sup> 24 <sup>m</sup> —contd.									R.A. 3 <sup>h</sup> 24 <sup>m</sup> to 3 <sup>h</sup> 36 <sup>m</sup> —contd.								
Centre R.A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2991. 1896, Feb. 3.									Centre R.A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2991. 1896, Feb. 3.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
2139	7	11'8899	21'8858	8	23'1477	9'9848			2192	6	14'0265	19'0383	14	2'5410	7'3398		
2140	48§	3'1880	22'6839	29§	14'4208	10'3570	71	195	2193	12	14'5143	18'8578	28§	3'0135	7'1346		
2141	19	9'2437	22'6278	17	20'4705	10'5966	71	199	2194				6	5'2904	7'1997		
2142	40§	11'3563	22'0744	43§	22'6059	10'1463	71	203	2195				5	5'6689	7'8716		
2143				4	14'5692	11'1978			2196	4*	17'2828	19'0344	14	5'7886	7'1699		
2144				4	14'8096	11'7953			2197				5	6'3983	7'3801		
2145				6	16'8788	11'0455			2198				6	7'0820	7'1539		
2146	25§	6'9067	23'7607	22§	18'0808	11'6159			2199	4	18'9875	19'8181	12	7'5306	7'8696		
2147	24	9'2903	23'9383	22§	20'4522	11'9070	71	200	2200				6	9'6825	7'7847		
2148	4	9'7493	23'8404	4	20'9134	11'8550			2201				5	9'7289	7'5191		
2149	42§	11'2011	23'8998	40§	22'3645	11'9615	71	202	2202				5	9'9508	7'5163		
2150				4	14'3452	12'1846			2203				4	10'1393	7'4206		
2151	23	6'5154	24'3648	20§	17'6605	12'1977			2204				6	10'1706	7'5023		
2152	9	6'8054	24'0900	11	17'9628	11'9372			2205				4	12'0541	7'4864		
2153	61§	6'8335	24'3330	64§	17'9808	12'1817	71	198	2206				6	12'6083	7'7288		
2154	9	7'3180	24'7719	14	18'4443	12'6458			2207	4	19'0662	20'9468	10	7'6670	8'9930		
2155	22	11'4721	24'1102	26§	22'6222	12'1873	71	205	2208				4	8'5509	8'6569		
2156	14	12'0360	24'2952	16	23'1774	12'3961			2209	3*	19'9758	20'6468	8	8'5594	8'6443		
2157	5	13'7973	24'1203	7*	24'9461	12'3060			2210	3*	20'0748	20'2180	9	8'6368	8'2113		
2158	5	10'7120	25'6835	8	21'7855	13'7221			2211	5*	21'3844	20'8675	11	9'9785	8'7977		
R.A. 3 <sup>h</sup> 24 <sup>m</sup> to 3 <sup>h</sup> 36 <sup>m</sup>									2212				4	10'3348	8'4896		
Centre R.A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2991. 1896, Feb. 3.									2213	17	22'8614	20'9183	23§	11'4533	8'7727		
									2214	17	23'0974	20'7127	23§	11'6800	8'5570		
									2215	8	23'8745	21'0998	19	12'4759	8'9006		
									2216				11	12'7443	8'8677		
2159	19	16'1581	14'4989	42§	4'4382	2'6989	70	247	2217	7	24'1847	20'3553	16	12'7460	8'1428		
2160	7	20'9218	14'7347	17	9'2090	2'6939			2218	11	14'6028	21'3552	23§	3'2303	9'6210		
2161				6	9'2231	2'7361			2219	6	15'2179	21'6657	17	3'8580	9'9008		
2162	9	15'5279	15'3963	30	3'8565	3'6215			2220	6	15'5841	21'4200	18	4'2106	9'6399		
2163	2*	17'5739	15'4156	7	5'9007	3'5403			2221	4	16'5495	21'7342	11	5'1890	9'9013		
2164	6	18'5208	15'0460	13	6'8286	3'1225			2222				6	9'8313	9'8536		
2165	3*	20'0138	15'1266	5	8'3214	3'1325			2223				3	11'1457	9'0935		
2166				5	8'8554	3'3850			2224				11	12'1013	9'7176		
2167	7	20'7648	15'7046	17	9'1010	3'6706			2225				6	12'8595	9'7673		
2168	16	21'2916	16'0068	27§	9'6419	3'9456			2226				3	12'8948	9'5020		
2169	3*	22'1383	15'7416	7	10'4725	3'6401			2227	18	14'2861	22'6425	32§	2'9793	10'9213	71	208
2170	16	22'5756	15'1632	22	10'8812	3'0395			2228	4*	14'3568	22'1574	7	3'0243	10'4367		9'4
2171	3*	23'0333	15'3536	9	11'3449	3'2080			2229				7	3'4404	10'8793		
2172	14	23'0613	15'8446	25§	11'4015	3'6970			2230				6	6'6762	10'5113		
2173	6	14'3553	16'6632	18	2'7476	4'9490			2231				5	7'8182	10'3038		
2174	4	15'3789	16'6399	12	3'7713	4'8715			2232				4	8'4814	10'6690		
2175	18§	15'5705	16'5469	38§	3'9518	4'7702			2233	15	20'3007	22'0874	20§	8'9565	10'0665		
2176				4	4'0823	4'2797			2234	25§	21'5034	22'3853	32§	10'1720	10'3048	71	214
2177	10	16'9300	16'8095	18	5'3273	4'9655			2235	23§	22'1004	22'9009	27§	10'7920	10'7919		9'5
2178				4	11'7562	4'7442			2236				6	11'4231	10'6044		
2179	17	25'3802	17'2603	24§	13'7882	4'9915			2237				4	11'4455	10'3701		
2180				6	4'0475	5'0483			2238	11	22'9588	22'2193	21§	11'6148	10'0693		
2181	5	17'3696	17'8486	11	5'8126	5'9810			2239	8	23'6650	22'1869	17§	12'3214	10'0010		
2182	13	18'8632	17'7342	24§	7'3012	5'7924			2240				4	12'3805	10'1820		
2183				7	8'0588	5'0788			2241				4	13'6673	10'3304		
2184	33§	20'1145	17'7549	61§	8'5535	5'7516	71	213	2242	6*	24'9763	23'2357	16	13'6863	10'9820		
2185	6	20'5358	17'8423	14	8'9783	5'8166			2243	6	18'2981	23'9018	17	7'0453	11'9805		
2186				4	9'2626	5'6420			2244				4	7'4367	11'6931		
2187	15	25'2715	17'8646	21§	13'7108	5'6006			2245				3	8'9045	11'2563		
2188	60§	25'3035	17'8884	78§	13'7430	5'6253	71	216	2246				4	8'9185	11'5674		
2189	10	17'5559	18'3255	22§	6'0260	6'4493			2247				4	9'1387	11'3474		
2190	3	18'4655	18'0843	10	6'9223	6'1623			2248				9	13'2670	11'7134		
2191	7*	24'3977	18'4605	16	12'8632	6'2410			2249				7	13'8215	11'6875		
									2250	25§	14'1378	24'3693	46§	2'9163	12'6563	71	207



## ZONE + 71°.

R.A. 3 <sup>h</sup> 24 <sup>m</sup> to 3 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2991. 1896, Feb. 3.				R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3688. 1897, Oct. 25.				Centre R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 4182. 1898, Nov. 5.				R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3688. 1897, Oct. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.						

No. 2273.  $\gamma$  Camelopardali.

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71°, and 64.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 3 <sup>h</sup> 36 <sup>m</sup> to 3 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 3 <sup>h</sup> 48 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 4182. 1898, Nov. 5.				Centre R.A. 3 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3688. 1897, Oct. 25.				Centre R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 4182. 1898, Nov. 5.				Centre R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 1703. 1893, Dec. 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
2363				4	20°1591	12°0648		2416	4	15°2303	18°9363	7	3°7766	7°1246	
2364	4*	9°6732	24°8266	6	20°9940	12°9190		2417	4	15°3440	19°5339	7	3°9168	7°7155	
2365				7	23°1372	12°9920		2418	14	20°1105	19°8751	18§	8°6935	7°8263	
2366	19	12°8900	23°7467	30§	24°2649	12°0036		2419	17	23°4784	20°1848	22	12°0719	7°9731	
2367	14	3°2263	25°5740	24§	14°5176	13°3283		2420				4	12°3742	7°0887	
2368				4	15°2305	13°0270		2421	4*	23°8803	19°8910	7	12°4599	7°6615	
2369				4	17°7575	13°2993		2422				4	13°3891	7°8987	
2370				6	18°2699	13°8054		2423	3*	25°0239	19°9389	8	13°6068	7°6518	
2371				12	18°8170	13°8855		2424	39§	25°2324	19°7174	40§	13°8021	7°4243	71 236 9'5
2372	4*	10°8608	25°7375	14	22°1364	13°8828		2425	13§	17°1387	20°3651	22§	5°7465	8°4585	
2373	4*	10°9049	24°9545	11	22°2201	13°1068		2426	7	18°8625	20°7890	9	7°4909	8°7990	
2374				6	22°2292	13°5173		2427	4*	19°2955	20°3939	8	7°9073	8°3844	
				60	25°5205	9°2738	71 224 9'0	2428				4	8°1835	8°8741	
								2429				6	9°5515	8°4012	
								2430				8	11°0972	8°7615	
								2431	7	25°0555	21°1605	13	13°6964	8°8735	71 234 9'5
								2432	23§	14°0020	20°9566	42§	2°6413	9°1994	71 224 9'0
								2433	3*	14°6649	21°1904	6	3°3176	9°4030	
								2434	6	15°8594	21°4155	10	4°5217	9°5698	
								2435	10	16°1063	20°9353	16	4°7427	9°0778	
								2436	5	16°9281	21°1671	9	5°5767	9°2698	
								2437	3*	17°0719	21°3656	5	5°7314	9°4598	
								2438				6	6°1830	9°4227	
								2439				4	6°7166	9°8075	
								2440				8	10°8993	9°5631	
								2441				4	12°2483	9°3967	
								2442				11	12°9150	9°2055	
								2443	11	15°1808	22°6758	16	3°9036	10°8610	
								2444	6	17°8563	22°6606	14	6°5733	10°7137	
								2445	3*	17°8924	22°8035	4	6°6182	10°8531	
								2446	4	18°0902	22°8965	4	6°8221	10°9421	
								2447	4	18°2438	22°0555	9	6°9346	10°0920	
								2448	5	18°9591	22°1966	14	7°6518	10°1999	
								2449	6	20°1438	22°6142	15	8°8620	10°5591	
								2450	23	22°2065	22°9718	27§	10°9369	10°8179	71 230 9'5
								2451	13	23°6896	22°9916	23§	12°4194	10°7663	
								2452				4	13°5579	10°5013	
								2453	43§	24°9144	23°0255	40§	13°6430	10°7425	71 235 9'0
								2454	16	24°9580	22°7049	23§	13°6709	10°4195	
								2455				5	13°8513	10°0575	
								2456	4†	16°0662	23°2873	7	4°8195	11°4301	
								2457	3	16°1518	23°3929	6	4°9095	11°5312	
								2458	3*	16°1723	23°4604	4	4°9341	11°5920	
								2459	9	17°8676	23°4977	18	6°6270	11°5502	
								2460	4	18°2405	23°4252	7	7°0008	11°4626	
								2461	14	20°8000	23°2502	18§	9°5452	11°1611	
								2462	12	20°8055	23°2739	16§	9°5501	11°1844	
								2463	32§	21°0093	23°2156	37§	9°7505	11°1186	71 229 8'9
								2464				4	9°9053	11°7155	
								2465				4	11°8740	11°4241	
								2466				4	12°7699	11°8134	
								2467	6*	24°0099	23°7875	18	12°7778	11°5494	
								2468				4	3°1626	12°5796	
								2469	4*	15°1845	24°0049	6	3°9725	12°1873	
								2470	5	16°3815	24°7120	11	5°2005	12°8356	
								2471	14	17°1103	24°2172	18	5°9050	12°3089	
								2472				4	6°8500	12°5483	
								2473				4†	6°9697	12°7165	
								2474	20	18°9098	23°9993	24§	7°6894	12°0041	

No. 2450. B. D. 71° 230. The declination given in the B. D. appears to be about 2' too large.

1 réseau interval represents very nearly 5' = 61°.4 at Dec. + 71°, and 64°.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 3 <sup>h</sup> 48 <sup>m</sup> to 4 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup> —contd.												
Centre R.A. 3 <sup>h</sup> 48 <sup>m</sup> Dec. +71°.			R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +72°						Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +72°									
Plate 4182. 1898, Nov. 5.			Plate 1703. 1893, Dec. 21.						Plate 2993. 1896, Feb. 3.			Plate 1703. 1893, Dec. 21.									
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.					
								No.	Mag.										No.	Mag.	
2475	4*	21°7156	24°4601	6	10°5184	12°3272		m.	2528	3*	3°9889	18°7260	6	15°3585	6°5693		m.				
2476	7	22°0480	24°3048	17	10°8395	12°1541			2529	3*	5°6254	18°8326	6	16°9920	6°7607						
2477	6*	23°7472	24°4831	15	12°5470	12°2576			2530	17	5°9213	18°1614	25§	17°3198	6°1011	71	240				
2478				4	13°4636	12°8902			2531	16	7°0100	18°1155	30§	18°4102	6°1072						
2479	9*	24°8819	24°3262	18	13°6737	12°0430			2532	16	8°0990	18°1105	25§	19°4988	6°1587	71	241				
2480	2*	17°8355	25°5546	4†	6°6947	13°5904			2533	5†	10°8985	18°6358	10	22°2645	6°8211						
2481	14	18°0138	25°4501	21§	6°8684	13°4949			2534	10	12°3789	18°1463	25§	23°7705	6°4022						
2482				5	8°2277	13°8690			2535	14	12°4094	18°5769	29§	23°7808	6°8330						
2483	36§	19°4659	25°4696	40§	8°3174	13°4463	71	227	2536	4	13°0000	18°5553	10	24°3685	6°8438						
2484	9	20°2229	25°3803	18	9°0698	13°3198			2537	12	13°9298	18°0673	29	25°3256	6°4005						
2485	9	20°2996	25°9411	19	9°1721	13°8743			2538				6	14°2057	7°3219						
2486	4*	20°6418	25°7999	6	9°5094	13°7207			2539				7	15°3150	7°1698						
2487	6	20°7535	25°2124	11	9°5931	13°1253			2540	3*	4°0219	19°4818	9	15°3600	7°3274						
2488	17	20°7648	25°3522	22	9°6115	13°2647			2541				5	16°1167	7°2647						
2489				8	9°9115	13°5868			2542	4*	5°4179	19°1621	10	16°7680	7°0779						
2490	5	21°1080	25°1508	9	9°9440	13°0470			2543				4	17°1788	7°9255						
2491	10	22°1951	25°6306	20§	11°0535	13°4730			2544	13	6°5551	19°5910	25§	17°8820	7°5615						
2492				6	10°2544	13°3534			2545	4	6°9580	19°6431	10	18°2815	7°6323						
2493				6	11°7526	13°5821			2546	2*	7°0889	19°6976	5	18°4099	7°6996						
2494	5*	24°8964	25°4201	18§	13°7381	13°1345			2547				6	18°5598	7°6360						
				52	5°0746	1°0634	70	269	2548				7	18°8601	7°8098						
R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup>																					
Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +72°						Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. +72°									
Plate 2993. 1896, Feb. 3.			Plate 1703. 1893, Dec. 21.						Plate 2993. 1896, Feb. 3.			Plate 1703. 1893, Dec. 21.									
2495	5*	2°9599	14°0381	8	14°5623	1°8387		m.	2550	5	9°7395	18°9153	10	21°0938	7°0447						
2496	5	2°5604	14°4652	10	14°1439	2°2461			2551	2*	9°8211	18°8811	6	21°1823	7°0183						
2497	18	2°7563	14°6159	27§	14°3309	2°4060	70	279	2552	2*	9°9939	19°2736	6	21°3300	7°1122						
2498	5	3°3719	14°4732	8	14°9523	2°2975			2553	4*	10°8179	18°9351	6†	22°1713	7°1143						
2499	2*	5°6416	14°3166	5	17°2289	2°2465			2554	4	12°6513	19°5125	9	23°9793	7°7792						
2500	4*	6°1789	14°3911	6	17°7616	2°3462			2555				7	14°6027	8°0023						
2501	13	6°9300	14°7127	24	18°4958	2°7068			2556	4*	4°4654	21°0545	12	15°7226	8°9235						
2502				4	18°8051	2°5642			2557				4†	15°7413	8°9376						
2503	8	7°9245	14°4113	15	19°5050	2°4525			2558	22	5°0370	21°0550	31§	16°2958	8°9505	71	238				
2504	6	10°1593	14°7151	11	21°7238	2°8657			2559	3	10°5185	20°0898	7	21°8175	8°2532						
2505	28§	12°9161	14°7022	73§	24°4792	2°9888	70	291	2560	2*	12°2182	19°8101	5†	23°5294	8°0518						
2506	4	13°6140	14°6445						2561	7	13°1312	20°1115	11	24°4270	8°4012						
2507	20§	2°6775	15°4780	26§	14°2102	3°2658	70	278	2562	6	13°1388	20°0730	7	24°4365	8°3665						
2508	6	4°1248	15°5893	11	15°6518	3°4472			2563	4	13°2805	20°5625	7	24°5524	8°8600						
2509	9	4°2886	16°0944	12	15°7875	3°9586			2564				7	14°8773	9°6617						
2510				5	18°5985	3°6180			2565	18	4°0233	21°8306	22§	15°2448	9°6758						
2511	4	8°5200	15°8631	6	20°0268	3°9343			2566	6	4°5708	21°8139	15§	15°7899	9°6835						
2512	4	9°9230	15°2437	10	21°4619	3°3809			2567	6	6°1081	21°8164	15	17°3253	9°7625						
2513	8*	10°3999	15°0356	17	21°9495	3°1967			2568	3*	8°0218	21°5638	7	19°2547	9°6166						
2514	3*	11°3114	14°8296	9*	22°8653	3°0368			2569	4*	8°5737	21°6266	12	19°7988	9°6959						
2515	9	11°7911	15°2515	14	23°3250	3°4818			2570	3*	8°6934	21°5093	7	19°9283	9°5829						
2516	2*	3°0184	16°7227	10	14°4884	4°5259			2571				6	21°8336	9°3180						
2517	5	3°4865	16°7690	11	14°9573	4°5932			2572				5	22°4114	9°5721						
2518	3*	3°5754	16°3936	7	15°0625	4°2233			2573	2*	11°8362	20°8466	6*	23°0953	9°0751						
2519	2*	4°0154	17°4548	7	15°4520	5°2995			2574				5	24°7538	9°2696						
2520				7	16°4994	5°2584			2575	4*	13°5221	21°1635	6	24°7684	9°4732						
2521	17	5°1115	17°6950	25§	16°5340	5°5978			2576	9	4°1462	22°7569	18	15°3210	10°6095						
2522				5	16°8866	5°1883			2577				6†	15°9650	10°0790						
2523				6	17°3330	5°2817			2578				9	19°5463	10°2934						
2524	6	9°0268	17°8951	10	20°4355	5°9898			2579	4*	5°5832	22°4138	9	16°7743	10°3342						
2525	4*	13°6206	17°4963	7*	25°0433	5°8103			2580				6	17°7888	10°4674						
2526				9	14°1142	6°3719			2581	7	6°9505	22°0275	16	18°1590	10°0150						
2527	8	3°9518	18°4320	16	15°3403	6°2758			2582	4*	7°4467	22°9551	11	18°6058	10°9723						
									2583				7	18°7449	10°3338						
									2584				5	19°3096	10°7431						
									2585	15	11°5590	22°0598	26§	22°7605	10°2700						
									2586	4*	13°3416	22°5886	5*	24°5131	10°8893						

1 réseau interval represents very nearly 5' = 61°.4 at Dec. + 71°, and 64°.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 4 <sup>h</sup> 0 <sup>m</sup> to 4 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup> —contd.								
Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2993. 1896, Feb. 3.				R.A. 4 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 1703. 1893, Dec. 21.				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2993. 1896, Feb. 3.				R.A. 4 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 3017. 1896, Feb. 22.				
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.		
2587	13	3.4348	23.4250	238	14.5753	11.2407	°	2640	4†	24.5461	17.2650	8	13.0405	4.9980	°	
2588				4†	15.7984	11.6685	m.	2641	3†	14.2916	17.5996	4	2.8147	5.8139		
2589				9	15.8887	11.2403		2642	4	14.6184	17.0388	7	3.1044	5.2350		
2590	4*	5.5009	23.1220	9*	16.6567	11.0362		2643	13	20.5358	17.9793	18	9.0620	5.8970		
2591				4	17.1498	11.2127		2644	9	21.1696	17.6029	13	9.6787	5.4943		
2592	13	6.3701	23.1868	208	17.5222	11.1454		2645				4	12.1698	5.7328		
2593				6†	18.2503	11.3732		2646	8	23.8271	17.5874	14	12.3313	5.3531		
2594				3†	18.8099	11.7564		2647	3*	24.0652	17.3708	6	12.5584	5.1236		
2595				4	19.4660	11.4200		2648				4	13.3470	5.1416		
2596				6	19.7358	11.1920		2649				6	13.6732	5.3035		
2597	238	8.9808	23.5103	388	20.1145	11.5961	71 243	9.5	2650	13	19.5220	18.7044	17	8.0833	6.6700	
2598				6	20.2570	11.0590		2651	5	21.1315	18.9543	7	9.7037	6.8454		
2599	6	13.1093	22.8512	10	24.2712	11.1389		2652				4	11.1017	6.2897		
2600				11	14.1544	12.1020		2653				4	11.1100	6.7828		
2601				5†	14.9831	12.5978		2654				4	11.6017	6.4747		
2602				7	15.9238	12.6628		2655				8	13.6978	6.7182		
2603				9	15.9873	12.1669		2656				6	3.7949	7.7545		
2604	688	5.2618	24.4888	898	16.3510	12.3908	71 239	6.3	2657	5	19.3280	19.9725	7	7.9502	7.9450	
2605				7	16.4858	12.5463		2658	11	19.4249	19.4462	14	8.0215	7.4144		
2606				6	16.7946	12.9540		2659	7	19.5222	19.8440	13	8.1383	7.8182		
2607	3*	6.2712	24.0805	11†	17.3763	12.0345		2660	358	19.6293	19.2493	368	8.2168	7.2098	71 254	
2608				6	19.6461	12.9820		2661				5	13.1549	7.6774	8.0	
2609				11	20.0860	12.9428		2662	7	15.0898	20.3148	10	3.7324	8.4851		
2610	3*	11.8769	24.3651	7	22.9645	12.5967		2663	6	15.7550	20.5589	8	4.4088	8.7017		
2611	238	12.3334	23.9243	378	23.4427	12.1737	71 247	9.0	2664	8	17.1059	20.0183	11	5.7326	8.0941	
2612	22	13.6992	24.5110	328	24.7801	12.8218		2665	468	17.7100	20.5659	568	6.3620	8.6163	71 250	
2613				10	16.8756	13.0543		2666	208	18.2340	20.9438	228	6.9028	8.9678	71 251	
2614				6	17.6695	13.6145		2667	3*	18.5868	20.7115	4	7.2443	8.7181	9.5	
2615				5	19.2912	13.8485		2668	3*	20.6589	20.8298	5	9.3212	8.7376		
2616				4	19.4939	13.5863		2669	9	21.7402	20.2359	12	10.3707	8.0964		
2617	318	9.0992	25.0883	448	20.1558	13.1788	71 244	9.1	2670			5	12.3285	8.8957		
2618				6	20.9193	13.6001		2671				4	12.4677	8.8344		
2619				7	21.9138	13.2622		2672	4*	24.8847	21.1014	7	13.5544	8.8150		
2620	238	12.8521	24.8570	358	23.9160	13.1293	71 248	9.5	2673	9	15.3361	21.4450	15	4.0303	9.6022	
2621	5*	13.1624	25.4456	11	24.1973	13.7318		2674	4	16.2205	21.6011	5	4.9223	9.7187		
R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup>								R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup>								
Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2993. 1896, Feb. 3.				R.A. 4 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 3017. 1896, Feb. 22.				Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2993. 1896, Feb. 3.				R.A. 4 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 3017. 1896, Feb. 22.				
2622	4	16.1134	14.0640	5*	4.4623	2.1952	°	2675	4*	17.7499	21.4021	6	6.4413	9.4523		
2623	198	16.3103	14.8456	20	4.6940	2.9643	70 296	9.4	2676	218	21.8832	21.4847	20	10.5725	9.3399	71 257
2624	9	16.6171	14.1250	9	4.9688	2.2293		2677				4	11.7810	9.5384		
2625	4	16.6467	14.5357	4†	5.0138	2.6365		2678	6	24.9898	22.0610	12	13.7061	9.7673		
2626	9	16.6905	14.4393	6	5.0599	2.5395		2679	4†	14.6987	22.6736	6	3.4527	10.8572		
2627	328	16.7717	14.6574	468	5.1486	2.7551	70 297	8.6	2680			5	3.5284	10.2949		
2628	5	20.2032	14.8099	4	8.5827	2.7486		2681				4	5.2606	10.0260		
2629	5	20.7269	14.8604	6	9.1074	2.7760		2682				7	5.4220	10.6629		
2630				5	13.7572	2.0630		2683	6	22.7585	22.6271	12	11.5004	10.4363		
2631	8	16.8454	15.6545	10	5.2692	3.7483		2684	288	24.4727	22.5423	238	13.2098	10.2732	71 259	
2632	4	18.5797	15.4289	5	6.9953	3.4449		2685				4	13.2140	10.5809	9.4	
2633	228	20.5254	15.4463	318	8.9331	3.3706	71 255	9.3	2686	7†	24.6008	22.6925	178	13.3438	10.4166	
2634	338	22.0247	15.7281	278	10.4460	3.5835	71 258	9.1	2687	4	15.9833	23.3048	7	4.7656	11.4315	
2635	7	16.8905	16.0732	9	5.3329	4.1647		2688	278	18.2881	23.0552	288	7.0558	11.0736	71 252	
2636	4	18.3690	16.4458	5†	6.8279	4.4687		2689				6	7.5774	11.4537	8.7	
2637	238	20.9645	16.2447	298	9.4096	4.1447	71 256	9.0	2690	268	19.1856	23.5090	248	7.9728	11.4864	71 253
2638				4	10.7635	4.4934		2691	7	21.8304	23.2094	9	10.5989	11.0625	9.0	
2639	3*	22.4353	16.6275	4	10.8980	4.4585		2692				4	11.6789	11.5648		
								2693				9	13.4005	11.4559		
								2694	4*	14.3144	23.9817	6	3.1315	12.1856		
								2695	4	16.1466	24.1567	8	4.9698	12.2751		
								2696				4	5.3641	12.9878		
								2697				5	6.1793	12.0460		
								2698	11	17.6101	24.0255	16	6.4232	12.0753		

1 réseau interval represents very nearly 5' = 61.4 at Dec. + 71°, and 64.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 4 <sup>h</sup> 12 <sup>m</sup> to 4 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 4 <sup>h</sup> 24 <sup>m</sup> to 4 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 4 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2993. 1896, Feb. 3.				R.A. 4 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 3017. 1896, Feb. 22.				Centre R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 1695. 1893, Dec. 14.				R.A. 4 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 3017. 1896, Feb. 22.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
2699				4	8.1628	12.1002		2752				6	16.3975	7.0776	
2700				6	9.3413	12.6770		2753	21	5.9983	19.9808	19§	17.6347	7.8544	
2701				4	10.4706	12.6498		2754	9	7.2728	19.3452	8	18.9412	7.2862	
2702				7	11.2707	12.0550		2755	3*	8.2351	19.5719	4	19.8873	7.5652	
2703				4	11.6094	12.5973		2756	4	9.9075	19.5847	5	21.5621	7.6634	
2704	4*	23.4628	24.7132	11	12.3052	12.4904		2757	5	10.0993	19.4535	5	21.7581	7.5450	
2705	12	24.0208	25.0460	20	12.8735	12.7946		2758				7	14.3979	8.9468	
2706				9	13.8070	12.6903		2759				6	15.7830	8.6593	
2707				4	4.0920	13.3517		2760	4	7.1338	20.6033	6	18.7337	8.5345	
2708	32§	15.7674	25.2773	35§	4.6411	13.4130	71 249 9.3	2761	18	7.6529	20.7645	12§	19.2446	8.7255	
2709				4	6.3476	13.8530		2762	3*	8.5043	20.1245	5	20.1318	8.1276	
2710	4*	18.6651	25.6684	8	7.5561	13.6651		2763	9	8.5323	20.2278	9	20.1548	8.2320	
2711				5	11.6425	13.9018		2764	3*	8.8758	20.8958	6	20.4616	8.9178	
2712	4*	24.3386	25.7272	11	13.2245	13.4623		2765	4	9.4681	20.3917	5	21.0803	8.4458	
								2766	28§	12.1956	20.3874	26§	23.8030	8.5863	71 271 8.9
								2767				4	14.0300	9.2547	
								2768	14	6.3167	22.0779	11	17.8415	9.9655	
								2769				4	17.8773	9.9093	
								2770	6†	6.4062	21.5382	9	17.9613	9.4320	
								2771	20	10.9218	21.0445	18	22.4965	9.1755	
								2772	9	11.1611	21.7734	8	22.6966	9.9153	
								2773	14	11.1791	21.3601	12	22.7365	9.5033	
								2774	4*	2.6515	22.5301	12	14.1593	10.2250	
								2775				4	14.6485	10.8553	
								2776	7†	3.9645	22.7192	12	15.4601	10.4815	
								2777	39§	4.7779	22.3741	49§	16.2928	10.1797	71 263 8.2
								2778	4*	5.1425	22.7476	9	16.6328	10.5755	
								2779				4	16.6767	10.3377	
								2780	5*	5.3352	23.0282	11	16.8142	10.8610	
								2781	4*	7.8592	22.7263	8	19.3498	10.6946	
								2782				4	19.5286	10.6539	
								2783	13	8.0525	22.3119	13	19.5655	10.2909	
								2784				5	20.1762	10.0185	
								2785	25§	8.9950	22.7215	22§	20.4844	10.7479	71 267 9.5
								2786	4	10.2360	22.1452	7	21.7518	10.2380	
								2787				5	22.3053	10.6571	
								2788				6	15.9838	11.5323	
								2789	30§	4.7492	23.3891	19§	16.2097	11.1938	
								2790				6	17.3886	11.2557	
								2791	40§	7.9170	23.3170	24§	19.3766	11.2863	71 266 9.4
								2792				6	19.5133	11.1054	
								2793	6	12.0663	23.0886	6	23.5333	11.2775	
								2794				3	15.7322	12.2359	
								2795	22	8.0748	24.6206	15	19.4670	12.5979	
								2796	3*	9.2000	24.6619	7	20.5866	12.6971	
								2797	3*	9.4260	24.6876	7	20.8116	12.7354	
								2798				6	21.1226	12.0981	
								2799				5	21.7071	12.8562	
								2800	14	10.4729	24.2386	15	21.8775	12.3449	71 270 9.5
								2801	19	13.9885	24.6624	15	25.3681	12.9477	
								2802				9	14.8165	13.3169	
								2803				4	16.0478	13.8502	
								2804				6	16.0909	13.7379	
								2805				6	18.3058	13.9217	
								2806	6	7.0952	25.8273	11	18.4234	13.7525	
								2807	38§	9.1661	24.9890	24§	20.5365	13.0210	
								2808				4†	21.0290	13.4967	
								2809	8	10.1233	25.6743	12	21.4524	13.7564	

No. 2743, 2744. Plate 1695. The images are not separable, and are measured as one mass.

1 réseau interval represents very nearly 5' = 61.84 of R.A. at Dec. + 71°, and 64.87 at Dec. + 72°.

## ZONE + 71°.

R.A. 4 <sup>h</sup> 36 <sup>m</sup> to 4 <sup>h</sup> 48 <sup>m</sup>									R.A. 4 <sup>h</sup> 36 <sup>m</sup> to 4 <sup>h</sup> 48 <sup>m</sup> —contd.								
Centre R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°						Centre R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°					
Plate 1695. 1893, Dec. 14.			Plate 3871. 1898, Feb. 26.						Plate 1695. 1893, Dec. 14.			Plate 3871. 1898, Feb. 26.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
2810				7	13°9105	1°9240		m.	2869	14	24°9653	19°1730	18§	13°5913	6°8984		m.
2811	22§	14°1886	14°5416	38§	2°6000	2°8076	70	316	2870				4	13°7600	6°4247		
2812	42§	15°0423	14°3506	58§	3°4401	2°5740	70	317	2871	4	14°9431	19°5340	8	3°6000	7°7602		
2813	9	22°0348	14°1752	12	10°4180	2°0533			2872				6	4°2463	7°5934		
2814	11	22°8999	14°8971	15§	11°3189	2°7334			2873	16§	15°8226	19°5549	19§	4°4801	7°7358		
2815				4	11°6918	2°2946			2874	12	16°0844	19°3165	18§	4°7301	7°4852	71	274
2816	36§	23°4382	14°2882	38§	11°8276	2°0950	70	329	2875	11	17°7460	19°7155	16§	6°4100	7°8009		9°5
2817	7	24°0352	14°2348	13	12°4188	2°0138			2876				4	6°6017	7°6156		
2818	3*	16°0577	15°2948	4*	4°5068	3°4736			2877	7	19°4662	19°2512	12	8°1044	7°2513		
2819				4†	5°4935	3°6451			2878	7	20°0758	19°2236	13	8°7110	7°1945		
2820				6	5°7201	3°7566			2879	16	20°5539	19°2006	19§	9°1896	7°1450		
2821				7	7°8153	3°3183			2880				7	10°2503	7°8321		
2822				5	10°3007	3°1225			2881				6	10°6251	7°9350		
2823	40§	22°2953	15°3469	40§	10°7385	3°2076	71	278	2882				5	10°7412	7°1332		
2824				6	10°9411	3°4242			2883				8	12°0300	7°2074		
2825				7	13°2593	3°7658			2884	11	24°5753	19°4330	17§	13°2174	7°1792		
2826	4	25°0993	15°2892	13	13°5331	3°0148			2885	4†	14°2061	20°2126	7	2°8993	8°4752		
2827				4	13°5400	3°8219			2886	22§	15°8423	19°8929	25§	4°5189	8°0749	71	273
2828				10	13°7966	3°9238			2887	34§	16°3728	20°5153	41§	5°0798	8°6659	71	275
2829	13	4°2136	15°8860	21	2°6905	4°1526			2888				6	5°6491	8°7932		8°6
2830				5	3°8300	4°8445			2889	21§	21°2889	20°4153	19§	9°9805	8°3252		
2831	19§	15°8574	16°5585	23§	4°3653	4°7412			2890				7	10°1438	8°0105		
2832				5	5°7784	4°2065			2891	16	22°6853	20°5211	18§	11°3810	8°3574		
2833				4	7°4301	4°8848			2892				9	12°1343	8°1548		
2834	14	19°5734	16°3760	16	8°0700	4°3735			2893				5	12°1798	8°7611		
2835	13	20°4308	16°3386	17	8°9218	4°2933			2894				10	13°3375	8°1571		
2836	5	22°7588	16°6697	12	11°2683	4°5064			2895				6	13°3587	8°4476		
2837				5	11°4797	4°1843			2896	20	24°9173	20°3680	19§	13°6019	8°0955		
2838	12	23°5534	16°2260	17§	12°0390	4°0250			2897	8	14°1520	20°9728	16	2°8833	9°2350		
2839				4	12°1992	4°7716			2898				4	4°1695	9°0602		
2840				5	12°2110	4°6155			2899				6	4°4563	9°5844		
2841	42§	24°3336	16°8721	33§	12°8470	4°6341	71	280	2900	4	16°4972	21°8038	8	5°2669	9°9481		
2842				6	13°2401	4°4147			2901	4*	17°0926	20°9864	9	5°8200	9°1050		
2843	4	14°5563	17°6894	7	3°1233	5°9376			2902				6	7°0630	9°0863		
2844	3*	15°5488	16°9294	5	4°0748	5°1275			2903				5	8°0195	9°2965		
2845	10	15°8166	17°0098	18	4°3495	5°1941			2904	4	19°4663	21°5569	10	8°2197	9°5546		
2846	5	16°8698	16°9088	10	5°3982	5°0432			2905	4	19°7269	21°0947	9	8°4566	9°0765		
2847				5	5°5609	5°3529			2906				4	8°8273	9°8106		
2848	21§	18°5107	17°4549	27§	7°0605	5°5049	71	277	2907				6	9°4572	9°5550		
2849				6	10°3466	5°6231			2908				8	10°2756	9°7281		
2850	5	21°9738	17°7746	10	10°5382	5°6542			2909				6	10°3000	9°6638		
2851	11	22°4710	17°7449	14	11°0300	5°5954			2910				4	11°3409	9°5753		
2852	6	24°2397	18°0801	14§	12°8157	5°8440			2911				5	12°2526	9°0418		
2853	18§	14°0870	18°6561	24§	2°7017	6°9238			2912				10	13°3405	9°5087		
2854	15	14°5210	17°8952	22	3°0995	6°1438			2913	16	25°2312	21°8737	18§	13°9900	9°5846		
2855	3*	15°7892	18°7949	5	4°4122	6°9758			2914	18	14°3008	22°3429	20§	3°0999	10°5955		
2856	38§	17°8089	18°6075	40§	6°4158	6°6923	71	276	2915				5	3°6989	10°5850		
2857				4	7°7091	6°2117			2916				4	3°9893	10°7803		
2858				4	7°7096	6°1475			2917				4	5°6821	10°9591		
2859	13	19°8080	18°6709	17§	8°4194	6°6545			2918				5	6°1634	10°0468		
2860	5	20°3971	18°6582	7	9°0050	6°6138			2919	4*	17°5625	22°0895	8	6°3410	10°1840		
2861				8	9°0245	6°3369			2920				3	6°9259	10°2684		
2862	5	22°1126	18°7324	11	10°7212	6°6026			2921				4	7°5891	10°2575		
2863				4	11°1294	6°2950			2922				7	7°9200	10°5352		
2864				6	11°9685	6°3079			2923				5	8°4469	10°1824		
2865				5	12°2487	6°3250			2924	9	20°1320	22°9110	13§	8°9511	10°8738		
2866	19	23°8655	18°8596	19§	12°4797	6°6430			2925	8	20°2989	22°3799	15§	9°0900	10°3355		
2867				4	12°8389	6°8535			2926	22§	21°3191	22°7316	21§	10°1272	10°6355		
2868	36§	24°6929	18°8811	28§	13°3082	6°6237	71	281	2927				7	10°3405	10°3165		

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71°, and 64".7 at Dec. + 72°.



## ZONE + 71°.

R.A. 4 <sup>h</sup> 36 <sup>m</sup> to 4 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.								
Centre R.A. 4 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°								
Plate 1695. 1893, Dec. 14.			Plate 3871. 1898, Feb. 26.			Plate 4199. 1898, Dec. 19.			Plate 3871. 1898, Feb. 26.								
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.								No.	Mag.
2928				11	11°1909	10°4553			2980	7	4°6697	16°2156	9	16°3787	4°0153		
2929	39§	22°9983	22°9028	37§	11°8146	10°7244	71	279	2981	5*	5°8030	16°5123	7	17°4951	4°3705		
2930	20	23°0500	22°7588	19§	11°8601	10°5758			2982	2*	6°5364	16°1702	3	18°2410	4°0686		
2931				4	12°4600	10°4309			2983	4	10°5348	16°5131	5	22°2196	4°6147		
2932				8	12°4602	10°0383			2984	4	12°8222	16°3148	5*	24°5204	4°5305		
2933				7	12°9500	10°5473			2985	11	3°0400	18°0683	13	14°6589	5°7835		
2934				4	13°5200	10°3789			2986	6†	3°2793	17°6477	10	14°9140	5°3734		
2935				5	3°7301	11°7142			2987	55§	3°3309	17°9523	46§	14°9558	5°6802	71	285
2936	4*	15°7362	23°4729	10	4°5896	11°6552			2988	12	5°1216	17°6257	15	16°7591	5°4467		
2937	7	16°3270	23°3458	12	5°1717	11°4953			2989	14	5°2506	17°5974	14	16°8894	5°4248		
2938				5	5°8437	11°9413			2990	4*	7°2865	18°0278	4	18°8987	5°9600		
2939				8	7°0565	11°8612			2991	29§	7°7816	17°5043	30§	19°4211	5°4609		
2940				4	7°9011	11°9765			2992	6	7°8279	17°8768	7	19°4472	5°8351		
2941	7	19°9636	23°1019	14	8°7953	11°0727			2993	5*	11°0803	17°8514	5	22°6995	5°9785		
2942				6	8°8216	11°4750			2994	4*	11°2155	17°5480	5†	22°8473	5°6837		
2943	7	20°0820	23°7649	14	8°9471	11°7309			2995	8	13°5328	17°6509	8	25°1584	5°9043		
2944	9	20°3903	23°2530	13	9°2279	11°2046			2996	52§	2°4823	18°3545	42§	14°0856	6°0409	71	283
2945				5	9°3289	11°6304			2997	4*	3°3533	18°7272	6	14°9334	6°4555		
2946				6	11°5594	11°1328			2998	7	3°5924	19°0113	11	15°1600	6°7547		
2947	15	14°0429	24°5188	19§	2°9501	12°7837			2999	6	4°5317	18°3185	7	16°1306	6°1109		
2948	7	14°7844	24°6766	13	3°6995	12°9041			3000	14	5°0892	18°2939	13	16°6894	6°1129		
2949	24§	15°1628	24°3355	24§	4°0600	12°5450			3001	3*	5°3017	18°3041	5	16°9012	6°1333		
2950				6	4°6877	12°6102			3002	5*	6°6445	18°4781	6	18°2350	6°3759		
2951				5	6°0387	12°5857			3003	4†	7°9150	18°7070	4	19°4920	6°6739		
2952	8	17°6649	24°1309	14§	6°5500	12°2157			3004				3	19°8661	6°4146		
2953				7	10°1064	12°8476			3005	10	8°4661	18°5729	10	20°0493	6°5644		
2954				6	10°3410	12°0632			3006	5	9°9160	18°1372	5	21°5178	6°2036		
2955				4	11°3608	12°7900			3007	9	11°7495	18°0872	12	23°3555	6°2478		
2956				4	13°7400	12°2812			3008	75§	2°4884	19°6884	64§	14°0225	7°3744	71	282
2957	3*	15°0205	25°3826	9	3°9715	13°5968			3009	26	3°2835	19°5393	22§	14°8232	7°2646	71	284
2958	4*	17°7404	25°3406	12	6°6868	13°4235			3010	32§	4°9835	19°2113	25§	16°5388	7°0243	71	286
2959	24	18°1169	25°4110	25§	7°0621	13°4704			3011	5†	5°6858	19°9674	9	17°1996	7°8146		
2960	7	18°8151	25°6972	16§	7°7713	13°7221			3012	6†	7°5373	20°0364	6	19°0440	7°9808		
2961	4*	19°1203	25°7723	10	8°0918	13°7834			3013	3*	7°5920	19°3609	4	19°1388	7°3080		
2962				5	8°3496	13°1917			3014	3*	9°2967	18°9810	5	20°8549	7°0145		
2963	10*	21°3657	25°2674	17§	10°3012	13°1647			3015	17	10°3353	19°3799	19	21°8740	7°4677		
2964				14	12°7923	13°2144			3016	24§	10°9915	19°0063	31§	22°5508	7°1267		
2965				8	13°3994	13°8582			3017	56§	12°2509	18°9262	57§	23°8127	7°1111	71	292
R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup>									3018	5*	2°5998	21°0994	9	14°0593	8°7863		
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			Plate 4199. 1898, Dec. 19.			3019				5	15°4000	8°5464		
2966	5*	2°6213	14°4361	5	14°4221	2°1358			3020	3*	7°8413	20°4123	4	19°3302	8°3731		
2967	8	3°7719	15°1652	8	15°5388	2°9203			3021	4*	8°6996	20°0768	4	20°2009	8°0766		
2968	4	5°1037	14°9588	4	16°8778	2°7852			3022	5	11°0185	20°1433	5	22°5170	8°2651		
2969	10	5°8888	14°6099	10	17°6795	2°4738			3023	7	11°2289	20°1788	10	22°7282	8°3110		
2970	10	6°7408	14°7631	15	18°5220	2°6723			3024	39§	13°9108	20°3936	45§	25°3919	8°6643	71	294
2971	17	9°1824	14°8733	23§	20°9542	2°9058			3025				4	15°0258	9°7959		
2972	16	11°3088	14°0755	18	23°1188	2°2176			3026	14	4°8407	21°4098	11	16°2828	9°2143		
2973				4	14°4906	3°6461			3027				4	18°4667	9°9322		
2974	3*	4°2782	15°4638	4	16°0225	3°2451			3028	10	8°4733	21°9880	9	19°8802	9°9755		
2975	18	4°4017	16°1432	21	16°1160	3°9273			3029	5*	9°8793	21°4291	5	21°3122	9°4929		
2976	6	4°8056	16°0100	8	16°5239	3°8188			3030	15	11°3663	21°6760	14	22°7853	9°8145		
2977	54§	5°3351	16°1409	54§	17°0480	3°9745	71	287	3031	14	11°3355	20°9870	17	22°7913	9°1238		
2978	24§	10°3539	14°9843	41§	22°1203	3°0758			3032	10	11°4443	21°7950	13	22°8598	9°9353		
2979				5†	15°3640	4°0851			3033	10	11°5212	21°5694	14	22°9490	9°7150	71	291
									3034	33§	11°6983	21°6007	35§	23°1219	9°7553		
									3035	9	12°4127	21°2622	13	23°8514	9°4551		
									3036	26§	12°7853	21°7385	29§	24°2012	9°9470	71	293
									3037	13	13°2035	20°8320	16	24°6645	9°0660		
									3038				5	14°3395	10°9935		

1 réseau interval represents very nearly 5' = 61°.4 of R.A. at Dec. + 71°, and 64°.7 at Dec. + 72°.

## ZONE + 71°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
No.							No.						
Mag.							Mag.						
R.A. 4 <sup>h</sup> 48 <sup>m</sup> to 5 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°							Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°						
Plate 4199. 1898, Dec. 19.							Plate 4199. 1898, Dec. 19.						
R.A. 4 <sup>h</sup> 48 <sup>m</sup> Dec. +72°							R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°						
Plate 3871. 1898, Feb. 26.							Plate 1705. 1893, Dec. 21.						
3039	13	4'2027	22'3122	15	15'5983	10'0831	3092	4†	16'1813	15'3372	5	4'5472	3'5447
3040	11	5'3152	23'0743	11	16'6707	10'8963	3093	14	17'6792	14'9302	17	6'0280	3'0687
3041				4	16'8808	10'3823	3094	24§	18'5782	15'8056	27§	6'9635	3'9045
3042				4	17'1311	10'1916	3095	4	20'4096	15'6603	5†	8'7858	3'6797
3043	8	6'1885	22'5042	8	17'5719	10'3746	3096	10	20'6466	15'1943	7*	9'0038	3'2072
3044	3*	7'7413	22'9103	5	19'1025	10'8592	3097	6	20'7922	14'9965	6	9'1416	3'0030
3045	4*	8'0318	22'4783	5	19'4141	10'4425	3098	5*	23'0190	15'6037	8	11'3909	3'5112
3046				5	20'2401	10'9753	3099	54§	23'1814	15'5364	55§	11'5532	3'4363
3047	10	11'3116	22'2906	11	22'7010	10'4245	3100	19	14'1063	15'7609	23§	2'4938	4'0555
3048	3*	11'4072	22'8328	4	22'7661	10'9685	3101	4	14'0995	16'3442	6*	2'5130	4'6398
3049	19	12'9197	21'9573	19	24'3228	10'1752	3102	27§	14'9766	16'4877	41§	3'3935	4'7435
3050	9	13'2668	22'0218	13	24'6679	10'2556	3103	6	15'2499	16'7482	7*	3'6841	4'9918
3051	5*	6'3994	23'3551	6	17'7400	11'2341	3104	6	15'9206	16'5781	6†	4'3433	4'7914
3052	6	6'6574	23'3884	7	17'9948	11'2836	3105	4	16'0415	16'1326	5†	4'4449	4'3447
3053	37§	8'4749	23'7475	31§	19'7920	11'7347	3106	4†	18'4207	16'5934	5	6'8390	4'7007
3054	4	9'9120	23'3807	5	21'2482	11'4439	3107	14	18'8511	16'5924	19	7'2717	4'6799
3055	18	11'1711	23'4690	16	22'5002	11'5955	3108	3*	20'5561	16'3594	4	8'9652	4'3712
3056				4	22'7603	11'3437	3109	17	21'3199	16'1363	20	9'7190	4'1171
3057	22§	11'9663	22'9264	24§	23'3208	11'0940	3110	4*	22'2209	16'5963	5*	10'6418	4'5368
3058	19	12'3026	23'5569	17§	23'6259	11'7403	3111	3*	23'9190	16'7767	7	12'3406	4'6467
3059	14	12'6089	22'9545	15	23'9605	11'1550	3112	11	23'9546	16'8442	13	12'3807	4'7105
3060	32	2'9918	25'1686	23§	14'2431	12'8707	3113	10	24'6713	16'4100	15	13'0793	4'2464
3061				5	16'9182	12'7871	3114	29	25'4628	16'8530	29§	13'8911	4'6525
3062	14	6'1097	24'6726	14§	17'3800	12'5353	3115	5	14'6877	17'4284	6	3'1480	5'6968
3063				4	18'2613	12'5757	3116	45§	15'5629	17'7540	58§	4'0348	5'9828
3064	11	9'2569	24'3206	11	20'5413	12'3456	3117	17	15'6116	17'5572	21§	4'0783	5'7845
3065	21	11'8258	23'8908	19§	23'1316	12'0499	3118	5	15'9771	17'5808	6*	4'4410	5'7929
3066				4	14'7344	13'3888	3119	19	16'9798	17'2229	27§	5'4274	5'3918
3067	11*	4'2890	25'7299	15	15'5112	13'4985	3120	12	19'3969	17'8003	12	7'8696	5'8655
3068	9*	4'7976	25'3808	13	16'0353	13'1750	3121	4†	19'5092	17'4249	5	7'9625	5'4809
3069				4	16'4441	13'9072	3122	4*	20'1641	17'7176	5	8'6341	5'7507
3070				4	16'7359	13'4358	3123				4†	8'7647	5'7166
3071	9	8'7933	25'8169	9	20'0035	13'8211	3124	20	21'6296	17'4180	25§	10'0823	5'3837
3072	4*	8'8386	25'3973	6	20'0723	13'4011	3125	10	21'8831	17'3227	12	10'3338	5'2777
3073	8*	9'1099	25'7832	8	20'3215	13'8002	3126				4	12'6619	5'5849
3074	46§	9'8058	25'3863	41§	21'0350	13'4383	3127				7†	12'7424	5'3506
3075	18	11'1971	25'3157	20	22'4298	13'4403	3128	15	16'0685	18'2515	21§	4'5626	6'4574
3076	3*	13'7503	24'7894	5*	25'0076	13'0462	3129				4	5'3625	6'1614
R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup>							3130	12	17'2017	18'0450	18	5'6283	6'2032
Centre R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°							3131	4	18'4138	17'9148	8	6'8894	6'0170
Plate 4199. 1898, Dec. 19.							3132	5†	19'1011	18'5060	7	7'6052	6'5803
R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°							3133	3*	19'5891	18'6675	4	8'0972	6'7213
Plate 1705. 1893, Dec. 21.							3134	4	19'6106	18'2158	6	8'1005	6'2676
3077	7	14'6495	14'4554	10	4'0875	2'7681	3135	8	20'9963	18'6041	12	9'4984	6'5983
3078	10	15'7523	14'5462	10	4'0875	2'7681	3136	5†	21'1212	18'3838	8	9'6185	6'3722
3079	8	16'0769	14'2959	8†	4'3999	2'5079	3137	46§	21'6588	18'4018	50§	10'1539	6'3661
3080	22	18'2919	14'8010	28	6'6355	2'9132	3138	8	23'1815	18'4149	12	11'6771	6'3135
3081	9	18'5681	14'0568	9	6'8769	2'1554	3139				4	13'5841	6'4326
3082	16	19'6101	14'5365	21	7'9392	2'5914	3140	6*	25'1191	18'3681	9	13'6114	6'1853
3083	15	19'9108	14'1303	13	8'2234	2'1742	3141	43§	14'4237	19'1258	59§	2'9583	7'4046
3084	4†	20'4612	14'3625				3142	6	15'6415	19'3422	8	4'1830	7'5664
3085	8	21'8052	14'9405	12	10'1511	2'9002	3143	3*	15'8306	19'0835	5*	4'3586	7'2926
3086	4*	23'2325	14'9324	6*	11'5751	2'8329	3144	4	17'2477	18'9240	8	5'7688	7'0783
3087	4	23'9728	15'1016	6	12'3231	2'9688	3145				8†	6'5567	7'8958
3088				6	12'4284	2'4577	3146				4	6'5730	7'6308
3089	8	14'4575	14'9403	8*	2'8121	3'2176	3147	11	18'7317	19'1961	12	7'2643	7'2872
3090	6	14'5594	15'3164				3148	5	18'8546	19'2763	6	7'3908	7'3601
3091	15	14'8245	15'1408	19	3'1856	3'4028	3149	3†	19'2912	19'0756	6*	7'8191	7'1411
							3150	12	19'3651	19'7276	15§	7'9207	7'7913



## ZONE + 71°.

R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 5 <sup>h</sup> 0 <sup>m</sup> to 5 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre		R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°		R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre		R.A. 5 <sup>h</sup> 0 <sup>m</sup> Dec. +71°		R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°		
Plate 4199. 1898, Dec. 19.		Plate 1705. 1893, Dec. 21.					Plate 4199. 1898, Dec. 19.		Plate 1705. 1893, Dec. 21.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
3151	8	19°57'10	19°74'69	9	8°12'76	7°80'05	3210	13†	24°47'80	24°13'46	18	13°21'77	11°96'75
3152	4†	20°22'89	19°14'74	6	8°75'76	7°17'82	3211	12	14°46'71	23°80'73	13	3°20'40	12°07'94
3153				5†	10°08'66	7°63'03	3212	4†	14°56'39	24°63'71	7†	3°33'43	12°90'33
3154	17	21°65'48	19°64'66	21§	10°20'60	7°61'08	3213	6*	15°22'14	23°79'24	6†	3°95'89	12°03'06
3155	7	21°96'13	20°00'05	12	10°52'64	7°94'82	3214	5*	16°09'95	24°36'46	7	4°85'83	12°56'07
3156				6	10°65'04	7°54'67	3215				4†	7°16'47	12°94'28
3157	4*	22°19'77	19°64'50	7	10°74'70	7°58'58	3216	6†	20°22'04	24°68'80	9	8°99'10	12°70'67
3158				6	11°12'83	7°45'44	3217	62§	23°45'75	24°86'83	42§	12°23'18	12°74'93
3159	14	23°05'60	19°94'33	15§	11°61'72	7°84'55	3218				6	13°14'33	12°51'78
3160				4	12°14'09	7°89'86	3219				5†	4°23'70	13°41'89
3161				5	12°16'16	7°08'75	3220	21	15°47'23	25°61'40	22§	4°28'58	13°83'88
3162	34	25°42'03	19°59'56	26§	13°96'45	7°39'75	3221	26	15°55'97	24°94'84	28§	4°34'28	13°17'25
3163	4†	15°10'15	20°57'78	6†	3°70'11	8°82'44	3222	4*	16°07'49	25°12'24	5	4°86'44	13°32'23
3164	26§	15°66'97	20°68'60	31§	4°27'00	8°90'61	3223				4	5°71'45	13°09'33
3165	5	16°13'34	20°21'26	7	4°71'33	8°41'61	3224	6*	17°02'50	25°37'31	10	5°82'75	13°53'32
3166	6	17°29'14	20°31'52	10	5°87'37	8°46'50	3225				6	6°17'70	13°81'58
3167	7	18°76'64	20°02'65	11	7°33'46	8°11'20	3226				4	8°04'03	13°73'86
3168	8	18°79'62	20°24'58	12	7°37'46	8°33'27	3227				4	8°16'49	13°53'23
3169				4	7°64'66	8°73'63	3228	5	19°88'94	25°16'26	9	8°68'10	13°19'63
3170	9	19°48'12	20°64'47	13	8°07'76	8°70'07	3229				4	9°02'18	13°60'64
3171	3*	22°24'07	20°12'79	8	10°81'46	8°06'64	3230				5†	9°09'14	13°90'90
3172				8	11°26'96	8°80'29	3231	3*	21°28'74	25°57'46	7	10°09'14	13°54'53
3173				4†	12°41'38	8°71'48	3232	5*	21°54'91	25°82'69	12	10°36'81	13°79'01
3174				6	13°36'09	8°25'33	3233				10	12°57'59	13°59'75
3175	6*	15°24'67	21°03'64	8	3°86'19	9°27'72	3234				5	13°56'46	13°74'30
3176	28§	16°21'01	21°33'22	28§	4°83'81	9°53'08					48§	2°50'10	8°69'39
3177	5	18°24'89	21°84'56	7	6°89'78	9°95'58							
3178	3*	18°65'27	21°15'00	5	7°26'92	9°24'36							
3179	4*	19°04'15	21°60'18	5	7°67'86	9°67'60							
3180	14	19°36'17	21°19'17	15	7°98'00	9°25'16							
3181				7	9°56'15	9°55'19							
3182	20	22°38'15	21°75'62	21§	11°02'35	9°68'58							
3183	83§	22°43'10	21°43'09	82§	11°05'81	9°35'87							
3184	5*	23°25'57	22°06'53	7	11°90'57	9°95'63							
3185				8	12°58'10	9°09'21							
3186				5	13°98'45	9°81'87							
3187	6	14°84'49	22°10'98	9	3°50'93	10°36'54							
3188	5†	16°11'96	22°26'73	6†	4°78'39	10°46'94							
3189	15	16°81'06	22°49'73	19§	5°49'60	10°66'78							
3190	5	18°06'85	21°94'61	8†	6°72'06	10°06'44							
3191				5	7°92'45	10°05'27							
3192	4*	19°54'33	22°59'78	6	8°22'44	10°65'18							
3193				6	9°83'91	10°42'35							
3194	13	21°19'54	22°44'78	15	9°86'80	10°42'78							
3195	6	21°75'41	22°79'34	8	10°44'10	10°75'05							
3196	5*	23°42'93	22°54'87	9	12°10'61	10°43'62							
3197	28	23°67'84	22°88'39	24§	12°36'71	10°75'68							
3198	16	24°83'74	23°15'31	17	13°53'64	10°97'48							
3199	4*	14°86'95	23°53'55	7	3°59'61	11°78'76							
3200	11	15°01'33	22°85'05	14	3°71'10	11°09'92							
3201	4*	15°22'59	23°75'81	5†	3°96'24	11°99'83							
3202	20	16°62'21	23°30'09	23§	5°33'41	11°47'91							
3203	3*	17°24'09	23°46'74	7*	5°96'01	11°61'99							
3204	25§	18°41'98	23°87'41	21§	7°15'79	11°97'43							
3205	10	18°55'18	23°65'38	13	7°27'90	11°74'74							
3206	7*	19°28'54	23°05'14	8	7°98'40	11°11'23							
3207				6	9°25'42	11°75'38							
3208	7*	22°53'33	23°60'77	12	11°25'55	11°53'26							
3209				4†	12°61'56	11°45'06							

1 réseau interval represents very nearly 5' = 61°4 of R.A. at Dec. +71°, and 64°7 at Dec. +72°.

## ZONE + 71°.

R.A. 5 <sup>h</sup> 12 <sup>m</sup> to 5 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 12 <sup>m</sup> to 5 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			
Plate 4370. 1899, Mar. 14.				Plate 1705. 1893, Dec. 21.				Plate 4370. 1899, Mar. 14.				Plate 1705. 1893, Dec. 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



## ZONE + 71°.

R.A. 5 <sup>h</sup> 12 <sup>m</sup> to 5 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>								R.A. 5 <sup>h</sup> 24 <sup>m</sup> to 5 <sup>h</sup> 36 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			
Plate 4370. 1899, Mar. 14.				Plate 1705. 1893, Dec. 21.				Plate 4370. 1890, Mar. 14.				Plate 1820. 1894, Feb. 24.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
No.	Diam.	$\alpha$ .	$\gamma$ .					No.	Diam.	$\alpha$ .	$\gamma$ .				
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No.	Diam.	$\alpha$ .	$\gamma$ .					No.	Diam.	$\alpha$ .	$\gamma$ .				

1 réseau interval represents very nearly 5' = 61.8"4 at Dec. + 71°, and 64.8"7 at Dec. + 72°.

## ZONE + 71°.

R.A. 5 <sup>h</sup> 24 <sup>m</sup> to 5 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 5 <sup>h</sup> 36 <sup>m</sup> to 5 <sup>h</sup> 48 <sup>m</sup> —contd.										
Centre R.A. 5 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 36 <sup>m</sup> Dec. +72°						
Plate 4370. 1890, Mar. 14.				Plate 1820. 1894, Feb. 24.				Plate 1838. 1894, Mar. 2.				Plate 1820. 1894, Feb. 24.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No. Mag.								No. Mag.			
3493	6	16°3285	22°1565					3546	12	4°8811	18°3652	6	16°2947	6°1594				
3494	4	17°2602	22°6700	2*	5°9251	10°7912		3547	21	5°2159	18°5508	10	16°6220	6°3599				
3495	4	18°6493	22°4439					3548	8	5°6062	18°1345							
3496	4	18°8926	22°8615					3549	7	7°7045	18°7424	4*	19°1013	6°6615				
3497	8	19°1295	22°2660	4*	7°7730	10°2889		3550	29§	11°9627	18°5724	26	23°3620	6°6858	71	327		
3498	12	23°1733	22°9555	8	11°8457	10°7667		3551	15	12°9800	18°1981	5*	24°3948	6°3592		9°5		
3499	6	14°6405	23°2998					3552	18	3°4214	19°6573	8	14°7749	7°3889				
3500	6	15°2113	23°3961					3553	14	4°8283	19°3913	5	16°1968	7°1828				
3501	3	15°3693	23°6158					3554	8	7°0058	19°1639	4*	18°3826	7°0526				
3502	3	15°5685	23°5094					3555	5	11°6053	19°1334							
3503	5	16°1005	23°4468					3556	16	12°3798	19°4890	7*	23°7367	7°6249				
3504	4	18°4563	23°0063					3557	8	2°8164	20°4824	4	14°1331	8°1817				
3505	33§	18°5525	23°2369	26§	7°2448	11°2900		3558	6	4°2099	20°8852	4	15°5104	8°6468				
3506	6	21°1360	23°9670	4*	9°8617	11°8817		3559	10	7°6980	20°2962	4	19°0198	8°2192				
3507	43§	22°6608	23°6015	25§	11°3682	11°4395	71 317	3560	11	9°4784	20°4647	5*	20°7912	8°4668				
3508	7	23°7700	23°4306	4	12°4670	11°2096		3561	20	9°8992	20°3430	9	21°2172	8°3638				
3509	24§	14°1982	24°6514	19	2°9728	12°9275	71 312	3562	9	11°2157	20°0555							
3510	10	15°0753	24°4332	5	3°8354	12°6636		3563	27§	12°3186	20°6643	22	23°6230	8°7952				
3511	7	15°3114	24°4660	4*	4°0759	12°6858		3564	10	13°1308	20°5126							
3512	10	15°9145	24°6664	5*	4°6844	12°8572		3565	35§	13°1723	20°5337	36	24°4808	8°7020	71	328		
3513	14	18°4591	24°8680	9	7°2368	12°9260		3566	10	13°3079	20°2346					9°2		
3514	19	20°7232	24°7512	10	9°4935	12°6882		3567	5	13°6914	20°3145							
3515	10	22°5258	24°7152	6	11°2889	12°5574		3568	6	4°8733	21°5457	4*	16°1446	9°3377				
3516	70§	23°6448	24°7767	48§	12°4097	12°5605	71 319	3569	25	5°0138	21°2110	14	16°2993	9°0095				
3517	6	16°6839	25°0593	2*	5°4752	13°2102		3570	4	5°1367	21°5660							
3518	15	18°8184	25°7223	9	7°6417	13°7572		3571	12	6°3307	21°9389	5	17°5792	9°7961				
3519	12	18°8415	25°6327	7	7°6621	13°6676		3572	38§	7°1312	21°4919	25§	18°4023	9°3863	71	323		
3520	14	22°4011	25°1660	6	11°1905	13°0155		3573	10	12°6715	21°6753	4*	23°9275	9°8196		9°2		
3521	28	23°9935	26°0433	18	12°8249	13°8057		3574	20§	13°1505	21°4763	13	24°4139	9°6446	71	329		
								3575	9	3°0952	22°8592	6	14°3048	10°5699		9°5		
								3576	22	7°4271	22°7762	9	18°6399	10°6835				
								3577	7	8°6225	22°0618	4*	19°8641	10°0245				
								3578	7	8°8010	22°3105							
								3579	19	12°3349	22°9483	8	23°5335	11°0775				
								3580	31§	13°1904	22°3670	28	24°4148	10°5346	71	330		
								3581	17	6°7544	23°4871	8	17°9361	11°3605		9°3		
								3582	25	6°8873	23°4701	13	18°0685	11°3505				
								3583	23	4°3796	24°5673	10	15°5115	12°3337				
								3584	30	13°9459	24°8371	15*	25°0584	13°0385				
								3585	57	3°3120	25°4455	20§	14°4078	13°1612	71	321		
								3586	35	5°9953	25°3191	17§	17°0947	13°1552	71	322		
								101§		1°2864	24°9375				71	319		
																8°0		
R.A. 5 <sup>h</sup> 36 <sup>m</sup> to 5 <sup>h</sup> 48 <sup>m</sup> .								R.A. 5 <sup>h</sup> 48 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup>										
Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 5 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. +72°						
Plate 1838. 1894, Mar. 2.				Plate 1820. 1894, Feb. 24.				Plate 1838. 1894, Mar. 2.				Plate 3372. 1897, Feb. 27.						
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No. Mag.								No. Mag.			
3522	29§	4°5067	14°0083	24	16°1192	1°7917	70° 372	3587	4	14°6656	14°5533							
3523	29§	8°9143	14°6229	29	20°4934	2°6043	71 326	3588	25§	18°8413	14°9473	20	7°0210	2°9893	71	334		
3524	25§	9°3290	14°3771	26	20°9203	2°3782	70 375	3589	45§	20°0660	14°3370	42§	8°2120	2°3146	71	336		
3525	15	9°5644	14°4280					3590	6	22°6483	14°8705	4	10°8209	2°7208		8°6		
3526	5	11°4091	14°5143					3591	5	23°0933	15°1010	4	11°2728	2°9255				
3527	4	11°7440	14°5197					3592	5	19°2644	15°4164							
3528	9	2°7590	15°1969	4*	14°3173	2°9045		3593	5	19°8705	15°3486	4*	8°0668	3°3371				
3529	11	4°1739	15°5347	4*	15°7154	3°3017		3594	6	23°7571	15°8206	7	11°9745	3°6131				
3530	26§	7°0080	15°0158	21	18°5703	2°9113	71 325	3595	4	23°8643	15°5608	4	12°0672	3°3470				
3531	7	9°3532	15°3786					3596	30§	25°2306	15°2888	19	13°4167	3°0055				
3532	18	6°4905	16°4813	11	17°9893	4°3509		3597	8	17°6413	16°1698	6	5°8850	4°2694				
3533	14	7°4009	16°2372	4*	18°9115	4°1471		3598	18	18°6322	17°2329	13	6°9269	5°2822				
3534	22§	8°2351	16°9478	17	19°7107	4°8969												
3535	6	9°7280	16°6558															
3536	11	11°9205	16°3810															
3537	8	12°5496	16°4732															
3538	4	13°0100	16°7125															
3539	7	5°5899	17°2717															
3540	17	5°6494	17°8638	9	17°0856	5°6936												
3541	20§	6°2985	17°7625	10	17°7400	5°6207												
3542	9	6°5645	17°0198	5*	18°0384	4°8911												
3543	80§	6°9650	17°1271	60§	18°4350	5°0180	71 324											
3544	14	12°1802	17°7526															
3545	46§	13°4174	17°7704	53§	24°8530	5°9509	71 331											



## ZONE + 71°.

B. D.							B. D.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
No.							No.						
Mag.							Mag.						
R.A. 5 <sup>h</sup> 48 <sup>m</sup> to 6 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 5 <sup>h</sup> 48 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 1838. 1894, Mar. 2. Plate 3372. 1897, Feb. 27.							Centre R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3803. 1897, Dec. 28. Plate 3372. 1897, Feb. 27.						
3599	17	16.8840	18.5873	14	5.2485	6.7223	3652	348	3.8370	22.2338	228	15.0585	9.9176
3600	6	19.2220	18.7955	6	7.5919	6.8133	3653	308	7.9790	21.7374	23	19.2185	9.6240
3601	8*	25.2146	18.7278	6	13.5733	6.4374	3654	13	11.5998	21.7856	15	22.8343	9.8435
3602	238	15.9075	19.5786	19	4.3238	7.7627	3655	4	7.9713	22.8056	6	19.1601	10.6875
3603	8	16.9938	19.3090	6	5.3961	7.4382	3656	8	12.0472	22.0932	9	23.2648	10.1703
3604	218	19.0995	19.6382	15	7.5144	7.6570	3657	9	5.0500	23.6960	9	16.1980	11.4397
3605	218	19.7580	19.0295	15	8.1415	7.0195	3658	278	7.7966	23.8976	188	18.9340	11.7724
3606	19	22.8760	19.4528	10	11.2764	7.2833	3659				4	18.9540	11.3044
3607	20	14.8596	20.1978	19	3.3100	8.4332	3660				4	20.1900	11.5018
3608	288	20.1433	20.3567	188	8.5924	8.3214	3661	4*	10.5217	23.9458	4	21.6514	11.9493
3609	8	20.2342	20.8262	4	8.7090	8.7858	3662	5†	11.2142	23.6009	6	22.3600	11.6366
3610	5	20.2571	20.7689	4	8.7285	8.7266	3663	6	10.1662	24.6409	7	21.2625	12.6267
3611	508	24.4695	21.1546	258	12.9540	8.9010	3664	10	10.1955	24.2146	11	21.3125	12.2032
3612				4	13.4369	8.9073	3665	358	4.1782	26.0724	198	15.2125	13.7697
3613				4	13.8369	8.2998	3666				6	15.6919	13.3429
3614	10	14.1782	21.2324	6	2.6815	9.5020	3667	448	8.6376	25.1786	278	19.7107	13.0898
3615	16	16.8743	21.0268	11	5.3644	9.1606	3668	3*	11.5340	24.9513	5	22.6144	13.0060
3616	4*	20.8415	21.6069	4	9.3557	9.5388	3669	5*	12.5768	25.2858	5†	23.6387	13.3863
3617	8	14.3246	21.7806	5*	2.8567	10.0433							
3618	17	17.7894	22.5503	10	6.3575	10.6342		568	10.3248	26.3840			
3619	42	23.6070	22.4688	20	12.1605	10.2563							
3620	14	15.5234	24.7792	8	4.2061	12.9750							
3621	7	18.5422	24.7883	6	7.2192	12.8308							
3622				4	8.0505	12.9603							
3623	5*	19.8965	24.0374	4	8.5363	12.0140							
3624	18	21.1854	24.7944	11	9.8593	12.7037							
3625	388	14.1335	24.9883	268	2.8274	13.2562							
3626	3*	20.1854	25.4145	5	8.8915	13.3753							
3627				4	9.5411	13.2340							
R.A. 6 <sup>h</sup> 0 <sup>m</sup> to 6 <sup>h</sup> 12 <sup>m</sup>							R.A. 6 <sup>h</sup> 12 <sup>m</sup> to 6 <sup>h</sup> 24 <sup>m</sup>						
Centre R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3803. 1897, Dec. 28. Plate 3372. 1897, Feb. 27.							Centre R.A. 6 <sup>h</sup> 12 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3803. 1897, Dec. 28. Plate 4381. 1899, March 15.						
3628	6	4.4973	15.2257	6	16.0523	2.9518	3670	12	14.8951	14.0340	5*	3.1487	2.1366
3629	248	5.7714	14.2381	238	17.3744	2.0250	3671	248	16.7833	14.5187	21	5.0606	2.5252
3630	4*	6.2221	15.1483	3*	17.7807	2.9565	3672	8	17.2844	14.2621	4*	5.5491	2.2401
3631	8	7.4598	14.5050	8	19.0462	2.3740	3673	188	20.2934	14.5363	11	8.5686	2.3585
3632	348	8.5456	14.2027	418	20.1462	2.1205	3674	8	23.4102	14.0188	4*	11.6491	1.6777
3633	748	2.7083	16.0315	488	14.2278	3.6699	3675	5	19.8756	15.7312			
3634	7	7.3294	15.1875	8	18.8818	3.0485	3676	8	17.7295	16.0253	5*	6.0865	3.9785
3635	4†	8.8905	15.0333				3677	13	21.7199	16.4547	9	10.0900	4.1989
3636	5	12.4325	15.8448	6*	23.9486	3.9595	3678	278	24.8632	16.7540	18	13.2453	4.3362
3637	11	2.9199	16.9950	10	14.3924	4.6427	3679	7	20.1323	17.4394	4*	8.5559	5.2664
3638	22	3.9304	17.0586	208	15.3997	4.7538	3680	4	18.0338	18.2454	4*	6.5004	6.1771
3639	4	6.5204	16.3192	4	18.0228	4.1395	3681	168	20.8360	19.4261	10	9.3604	7.2148
3640	8	10.3973	16.1456	10	21.9010	4.1516	3682	8	24.4393	20.8673	6	13.0348	8.4645
3641	6	12.1732	16.0430				3683	7	18.8043	21.3233	5	7.4303	9.2143
3642	6	5.1098	18.2208	6	16.5214	5.9723	3684	5	19.1435	21.2659	3*	7.7691	9.1385
3643	4	11.3085	17.0253	8	22.7689	5.0747	3685	4	19.2874	21.2177	4*	7.9067	9.0854
3644	568	12.0178	17.6147	478	23.4509	5.6961	3686	7	15.2413	22.6650	5*	3.9454	10.7391
3645	448	6.1830	18.9478	288	17.5592	6.7503	3687	8*	22.5879	22.3384	6	11.2633	10.0280
3646	4*	11.6199	18.4865	5	23.0093	6.5525	3688	26	15.8105	23.0050	238	4.5301	11.0476
3647	9	7.3174	19.2392	9	18.6768	7.0935	3689	6	17.8714	23.3637	4	6.6067	11.2977
3648	11	10.8415	19.2742	15	22.1987	7.2975	3690	318	21.7090	23.6127	218	10.4489	11.3475
3649	8	11.8499	18.9423	9	23.2202	7.0143	3691	418	22.3736	24.3424	228	11.1508	12.0398
3650	5	7.6408	20.3660	6	18.9498	8.2352	3692	228	17.3114	25.7362	178	6.1694	13.6991
3651	7	7.9613	20.7800	8	19.2488	8.6647	3693	11	17.4798	25.1254	8	6.3078	13.0805
							3694	10	20.2233	25.7949	9	9.0800	13.6058
							3695	8	22.2385	25.8152	7	11.0922	13.5216
R.A. 6 <sup>h</sup> 24 <sup>m</sup> to 6 <sup>h</sup> 36 <sup>m</sup>							R.A. 6 <sup>h</sup> 24 <sup>m</sup> to 6 <sup>h</sup> 36 <sup>m</sup>						
Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3376. 1897, March 3. Plate 4381. 1899, March 15.							Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71° R.A. 6 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3376. 1897, March 3. Plate 4381. 1899, March 15.						
3696	18	5.4521	14.3330	8	17.2510	2.1001	3696	18	5.4521	14.3330	8	17.2510	2.1001
3697	8	8.2863	14.6653				3697	8	8.2863	14.6653			
3698	248	9.1069	14.3022	18	20.9023	2.2485	3698	248	9.1069	14.3022	18	20.9023	2.2485

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. +71°, and 64".7 at Dec. +72°.

## ZONE + 71°.

R.A. 6 <sup>h</sup> 24 <sup>m</sup> to 6 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 24 <sup>m</sup> to 6 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 6 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°				Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 6 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°					
Plate 3376. 1897, March 3.				Plate 4381. 1899, March 15.				Plate 3376. 1897, March 3.				Plate 4381. 1899, March 15.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
3699	18	12.4934	14.4349	4*	24.2832	2.5451	°	m.	3758	12	9.6838	25.9463	8	20.9095	13.9075	°	m.
3700	4	12.9803	14.6570						3759	21§	10.3484	25.3452	11	21.6026	13.3409		
3701	6	2.4436	15.6891	3*	14.1774	3.3097			3760	4	12.4357	25.7408					
3702	12	3.2523	15.4845						R.A. 6 <sup>h</sup> 36 <sup>m</sup> to 6 <sup>h</sup> 48 <sup>m</sup>								
3703	4	4.9043	15.6212						Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 6 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°				
3704	6	5.2716	15.5178						Plate 3376. 1897, March 3.				Plate 1814. 1894, Feb. 20.				
3705	10	11.5089	15.5070						3761	4	19.2405	14.0750				°	m.
3706	11	13.1507	15.1723						3762	7	20.9168	14.6989					
3707	13	3.4008	16.6674	6	15.0892	4.3320			3763	7	23.5976	14.3106					
3708	17	3.5813	16.3468	8	15.2833	4.0203			3764	26§	24.8786	14.7077	12	13.2669	2.4463	71	372
3709	56§	5.6912	16.5760	44§	17.3820	4.3507	71	358	3765	35§	16.3027	15.2865	27§	4.7292	3.4457	71	366
3710	10	7.4699	16.7275	3*	19.1492	4.5920		8.0	3766	20§	18.1312	15.7369	9	6.5796	3.8046		9.0
3711	14	3.9550	17.0507	4*	15.6243	4.7378			3767	4	20.1012	15.9063					
3712	15	4.7822	17.1392	5*	16.4441	4.8681			3768	20§	22.0088	15.0543	16	10.4157	2.9318		
3713	8	6.5729	17.3019	3*	18.2258	5.1227			3769	10	14.0894	16.8214					
3714	25§	10.8778	17.5453	20	22.5144	5.5753			3770	8	20.7419	16.0173	4*	9.2027	3.9564		
3715	6	3.3622	18.7171	3*	14.9493	6.3770			3771	5	21.5678	16.8418					
3716	32§	8.9009	18.2937	25§	20.5033	6.2252	71	361	3772	5	22.4651	16.7854					
3717	6	12.4928	18.9763						3773	26§	23.2445	16.4475	18	11.7197	4.2652	71	370
3718	5	2.7803	19.5787	3*	14.3265	7.2079			3774	10	19.3156	17.2196	5*	7.8385	5.2267		9.5
3719	50§	3.5929	19.0467	37§	15.1650	6.7157	71	356	3775	19§	19.3415	17.5969	13	7.8794	5.6041		
3720	13	3.8611	19.5639	6*	15.4068	7.2445		8.2	3776	5	20.4793	17.2894					
3721	15§	11.8571	19.7117	5*	23.3878	7.7860			3777	7	21.0569	17.4498	4*	9.5817	5.3728		
3722	5	12.0452	19.7363						3778	19§	22.5797	17.1580	12	11.0895	5.0048		
3723	5	12.6272	19.0943						3779	4	24.6837	17.2384					
3724	30§	12.9095	19.4399	27	24.4510	7.5660	71	363	3780	6	16.9790	18.5160					
3725	10	13.5324	19.0514						3781	4	17.4724	18.5409					
3726	4	2.9287	20.2911	3*	14.4386	7.9255			3782	18§	22.1876	18.1353	7	10.7478	5.9983		
3727	31§	3.9508	20.2955	17§	15.4599	7.9823	71	357	3783	35§	22.4049	18.2678	21§	10.9725	6.1210	71	368
3728	6	6.1230	20.4777	3*	17.6109	8.2685		9.0	3784	8	14.4503	19.3593	3*	3.0799	7.6008		9.2
3729	26§	9.5365	20.0155	22§	21.0523	7.9750	71	362	3785	5	14.6005	19.4302					
3730	6	7.1439	21.3688	3*	18.5978	9.2110		9.4	3786	11	15.2490	19.6402	5	3.8928	7.8452		
3731	8	9.8905	21.8848	3*	21.3158	9.8576			3787	6	15.9830	19.8642	4*	4.6371	8.0324		
3732	7	10.7266	21.5584						3788	6	17.4317	19.8081	3*	6.0838	7.9038		
3733	5	12.9693	21.6704						3789	11	19.2963	19.0407	6	7.9040	7.0456		
3734	10	6.5912	22.0875	6	18.0090	9.9010			3790	5	22.5964	19.0103	4	11.1983	6.8526		
3735	4	7.7516	22.6358	3*	19.1445	10.5048			3791	10	23.6303	19.1647	5	12.2393	6.9540		
3736	8	8.8060	22.6750	5*	20.1933	10.5950			3792	17§	16.7032	20.9953	10	5.4133	9.1260		
3737	6	9.6479	22.3110	2*	21.0523	10.2725			3793	6	18.1418	20.9115					
3738	4	10.2761	22.5586						3794	6	18.5255	20.7251	4*	7.2189	8.7675		
3739	6	11.5833	22.8098						3795	5	21.1069	20.7081	3	9.7939	8.6203		
3740	5	12.0442	22.2416						3796	4	15.9898	21.2249					
3741	21	3.6778	23.1231	9	15.0497	10.7916			3797	5	20.6989	21.0070	3*	9.4027	8.9439		
3742	44§	7.1881	23.4952	32§	18.5385	11.3348	71	360	3798	8	21.3442	21.3389	4	10.0639	9.2380		
3743	7	7.6085	23.6759	3*	18.9473	11.5403		9.0	3799	38§	22.6064	21.4414	20§	11.3271	9.2806	71	369
3744	10	9.0105	23.6944	6	20.3487	11.6245			3800	8	22.6100	21.5781	4	11.3384	9.4197		9.3
3745	11	9.2730	23.1340	6*	20.6368	11.0770			3801	13	23.1454	21.7685	6	11.8845	9.5834		
3746	7	11.9665	23.3531						3802	34§	25.2404	21.9045	16§	13.9848	9.6127	71	373
3747	19	13.4108	23.5058	11	24.7508	11.6527			3803	35§	15.9372	22.6490	24§	4.7279	10.8171	71	365
3748	6	13.7108	23.6679						3804	9	19.4436	22.3569	6	8.2150	10.3524		8.4
3749	16	3.5691	24.9820	9	14.8486	12.6456			3805	6	24.6900	22.5634	4	13.4627	10.2975		
3750	9	4.7951	24.7953	5*	16.0798	12.5158			3806	26§	14.7798	23.8463	15	3.6326	12.0676	71	364
3751	81§	7.1702	24.0641	67§	18.4903	11.9015	71	359	3807	4	18.0854	23.1709					9.5
3752	9	7.5083	24.0430	6	18.8290	11.8974		6.0	3808	6	19.3959	23.7372	4*	8.2376	11.7324		
3753	9	10.6027	24.7041	5*	21.8883	12.7140			3809	7	21.0827	23.5530	5	9.9113	11.4633		
3754	13	10.8050	24.5466	6†	22.0972	12.5652			3810	4	21.2151	23.9283	4	10.0600	11.8324		
3755	4	12.1702	24.5689														
3756	7	12.2254	24.4708	4*	23.5193	12.5575											
3757	16	6.7463	25.7408	9	17.9865	13.5562											

1 réseau interval represents very nearly 5' = 61".4 f R.A. at Dec. + 71°, and 64".7 at Dec. + 72°.



## ZONE + 71°.

R.A. 6 <sup>h</sup> 36 <sup>m</sup> to 6 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 6 <sup>h</sup> 48 <sup>m</sup> to 7 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 6 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 6 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 6 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			
Plate 3376. 1897, March 3.				Plate 1814. 1894, Feb. 20.				Plate 3340. 1897, Jan. 25.				Plate 1814. 1894, Feb. 20.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

No. 3815. This appears to be a double star. The images are not separable and are measured as one mass. The measures of the components differ approximately by +.0075 and -.0045 in the  $x$  and  $y$  co-ordinates respectively.

No. 3859. B.D. 71° 386. The declination given in the B.D. appears to be about 2' too small.

1 *réseau* interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71°, and 64.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 7 <sup>h</sup> 0 <sup>m</sup> to 7 <sup>h</sup> 12 <sup>m</sup> —contd.															
Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 7 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. +72°									
Plate 3340. 1897, Jan. 25.			Plate 3910. 1898, March 21.			Plate 3340. 1897, Jan. 25.			Plate 3910. 1898, March 21.			Plate 3340. 1897, Jan. 25.			Plate 3910. 1898, March 21.									
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.								
								No.																
								Mag.																
3917	12	18°040	19°5213	26§	7°4065	7°5645	71	391	3976				15§	12°2354	11°1058	71°	393	9°5						
3918				5	7°6683	7°5958			3977				9	12°4568	11°3349									
3919	11	20°4997	19°1350	25§	9°0801	7°0992			3978				4	13°0838	11°9885									
3920	32§	22°2497	19°3652	60§	10°8393	7°2482			3979				8	3°8838	12°4947									
3921				8	12°6103	7°8722			3980				12	4°4871	12°8198									
3922				6	13°4418	7°0761			3981				11	5°9938	12°6480									
3923				4	13°7607	7°1649			3982				11	6°6738	12°9883									
3924	5*	14°0249	20°2657	14	2°6690	8°5357			3983	3*	18°7320	24°7352	18§	7°5805	12°7803									
3925				6	6°5827	8°9030			3984				11	7°7421	12°6356									
3926	8	19°4573	20°2896	21§	8°0922	8°3029			3985				8	8°7584	12°7458									
3927				8	9°2040	8°3346	3986				6	10°6493	12°9728											
3928				8	10°2850	8°2629	3987				6	10°7975	12°2905											
3929				4	10°6377	8°6311	3988				5	11°8220	12°5931											
3930	7	22°2183	20°4526	21§	10°8587	8°3353	71	390	3989			16	3°1493	13°5831										
3931				4	11°4696	8°3644			3990	13	14°6523	25°6671	33§	3°5496	13°9026									
3932				4	12°0210	8°1850			3991	6	14°9515	25°6532	21§	3°8472	13°8733									
3933	5*	23°6704	20°2657	18§	12°3010	8°0804			3992				4	4°0847	13°2457									
3934				4	12°6356	8°0856			3993				4	4°2813	13°2058									
3935				3	12°9188	8°4743			3994	51§	16°1490	25°7874	83§	5°0460	13°9523	72	352	6°4						
3936	6*	24°6219	21°0298	20§	13°2915	8°7985			3995				8	5°7727	13°3730									
3937				6	13°9505	8°9120			3996				12	6°2208	13°6120									
3938	7†	14°6481	21°4574	20	3°3454	9°6963			3997				11	8°4240	13°0848									
3939				10	5°8314	9°1744			3998				6	8°5941	13°4575									
3940				11	8°0830	9°2346			3999				4	9°0883	13°5602									
3941				14	10°5879	9°4194			4000				5	9°6184	13°7564									
3942				4	10°6363	9°0950			4001				6	10°2686	13°8083									
3943				5	12°5731	9°2119			4002				4	10°4438	13°8548									
3944				4	13°2673	9°3834			4003				8	10°4976	13°6381									
3945				4	13°6505	9°5466			4004				6	10°6284	13°2082									
3946				11	3°1026	10°6892			4005	34	21°7488	26°0038	50§	10°6504	13°9004	72	358	9°0						
3947				12	3°2002	10°2037			4006				5	10°9210	13°6649									
3948				6	4°0798	10°8960			4007				8	10°9415	13°8933									
3949				6	4°2063	10°1651			4008				7	12°0630	13°8220									
3950				4	5°3045	10°2056			4009				4	13°8991	13°1306									
3951	6	16°5985	22°0458	19§	5°3203	10°1921			R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 24 <sup>m</sup>															
3952				7	5°9720	10°4029			Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°									
3953				4	6°1645	10°8655			Plate 4371. 1899, March 14.			Plate 3910. 1898, March 21.			Plate 4371. 1899, March 14.									
3954	5*	17°6690	22°3677	18§	6°4054	10°4649			4010	5	4°7870	14°9201	5	16°5026	2°8256	71	403	9°4						
3955				4	7°4965	10°7569			4011	18§	9°2467	14°8521	23	20°9611	2°9940									
3956	28§	18°9710	22°7741	48§	7°7262	10°8075	71	388	4012	16	11°6759	14°0790	26	23°4298	2°3472									
3957				8	8°9508	10°8940			4013	25§	12°2856	14°5926	42§	24°0110	2°8931									
3958				3	10°4036	10°2234			4014	22§	12°5453	13°9865	39§	24°3010	2°3026									
3959				3	10°8583	10°2881			4015	19	2°7064	15°6834	23§	14°3873	3°4788									
3960				5	11°4920	10°7125			4016	4*	4°2175	15°9079	4	15°8822	3°7856									
3961	5*	23°0899	22°3520	18§	11°8187	10°1888			4017	5	4°6003	16°0032	5	16°2609	3°8986									
3962	7*	23°5304	22°9552	20§	12°2883	10°7719			4018				4	16°4975	3°8750									
3963				3	12°7871	10°6809			4019	3*	5°2960	15°8139	5†	16°9676	3°7470									
3964				4	5°8562	11°3542			4020	6	11°3328	15°3821	8*	23°0132	3°6339									
3965				4	6°7220	11°5429			4021	6	13°4396	15°1054												
3966				8	7°0981	11°5073			4022	17	3°7005	16°8356	20	15°3185	4°6814									
3967				3	7°1152	11°8860			4023	6	7°4644	16°2173	9	19°1103	4°2638									
3968				8	7°4010	11°8734			4024	3*	7°5725	16°5354	4*	19°2025	4°5842									
3969				8	8°1834	11°4739			4025	4	7°7442	16°0608	5	19°3983	4°1228									
3970	3*	20°2299	23°8242	17	9°0313	11°7956	71	392	4026	8	11°0580	16°2323	16	22°6980	4°4657									
3971				5	10°8594	11°8638			4027	3*	3°6381	17°8678	4†	15°2029	5°7128									
3972	7	22°3300	23°1251	21§	11°0985	11°0005			4028	3*	4°8033	17°7960	4*	16°3690	5°7011									
3973				6	11°3629	11°8564																		
3974				5	11°8115	11°3945																		
3975				6	12°1972	11°7245																		



## ZONE + 71°.

R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 12 <sup>m</sup> to 7 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°				Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				R.A. 7 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°			
Plate 4371. 1899, March 14.				Plate 3910. 1898, March 21.				Plate 4371. 1899, March 14.				Plate 3910. 1898, March 21.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	

## ZONE + 71°.

R.A. 7 <sup>h</sup> 24 <sup>m</sup> to 7 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 24 <sup>m</sup> to 7 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 7 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				Centre R.A. 7 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 7 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			
Plate 4371. 1899, March 14.				Plate 3023. 1896, Feb. 25.				Plate 4371. 1899, March 14.				Plate 3023. 1896, Feb. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.



R.A. 7 <sup>h</sup> 36 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup> —contd.							R.A. 7 <sup>h</sup> 36 <sup>m</sup> to 7 <sup>h</sup> 48 <sup>m</sup> —contd.													
Centre		R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°		R.A. 7 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°		Plate 2504. 1895, March 31.		Plate 3023. 1896, Feb. 25.		Centre		R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°		R.A. 7 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°		Plate 2504. 1895, March 31.		Plate 3023. 1896, Feb. 25.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
4251	5	6.6003	14.7232	6	18.2240	2.6074														
4252	4†	8.8649	14.1849	4*	20.5133	2.1858														
4253	7	9.5398	14.0238	6	21.1937	2.0575														
4254	4	11.0210	14.5744	4*	22.6487	2.6819														
4255	21§	2.9721	16.0015	25§	14.5334	3.7088	71	423	9.4											
4256	4*	3.4604	15.8599	4	15.0300	3.5892														
4257	8	3.8273	15.5822	8	15.4104	3.3320														
4258	18§	4.8498	15.9448	20§	16.4129	3.7443														
4259	4	10.0484	15.6354	4*	21.6222	3.6972														
4260	5	11.5586	15.4431	5†	23.1375	3.5765														
4261	5	12.5011	15.9329																	
4262	15	13.4048	15.2231	20	24.9948	3.4501														
4263	4	2.7994	16.9077	6	14.3148	4.6080														
4264	7	4.5795	16.4050	10	16.1213	4.1923														
4265	14§	9.6306	16.3555	20§	21.1684	4.3944														
4266	3*	9.6885	16.9498	4	21.1931	4.9867														
4267	3*	10.2863	16.3098	3*	21.8223	4.3853														
4268	8	12.0325	15.9810	17	23.5861	4.1395														
4269	3*	2.8484	18.1257	4	14.3026	5.8231														
4270	3*	3.2902	17.4752	5	14.7796	5.1936														
4271	4	4.2107	17.2378	7	15.7097	5.0050														
4272	3†	7.7783	17.3705	5*	19.2657	5.3150														
4273	4	8.0608	17.9650	9	19.5194	5.9214														
4274	12	9.8293	16.9763	18																

1 réseau interval represents very nearly  $5' = 61^s.4$  of R. A. at Dec.  $+ 71^\circ$ , and  $64^s.7$  at Dec.  $+ 72^\circ$ .

## ZONE + 71°.

R.A. 7 <sup>h</sup> 48 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 7 <sup>h</sup> 48 <sup>m</sup> to 8 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 72°				Centre R.A. 7 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 72°			
Plate 2504. 1895, March 31.				Plate 3024. 1896, Feb. 25.				Plate 2504. 1895, March 31.				Plate 3024. 1896, Feb. 25.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.				Mag.				No.				Mag.			
4362	5	19°48'95	16°52'42	6	7°82'41	4°58'32		4421	27	23°82'46	23°18'67	218	12°48'33	11°02'68	
4363	4	19°58'23	16°63'78	5*	7°92'12	4°69'06		4422	14	14°61'34	25°37'79	16	3°39'45	13°67'13	
4364	5	21°52'86	16°24'47	6	9°84'61	4°20'50		4423	11	16°29'29	25°28'72	14	5°06'50	13°49'68	
4365	15	22°86'36	16°19'72	13	11°17'59	4°09'21		4424				4	12°80'03	13°33'15	
4366	4	14°57'93	17°62'97	4*	2°97'49	5°93'54									
4367	6	16°54'43	17°65'72	5†	4°93'51	5°86'25						42	2°42'92	2°21'27	71 432 9°0
4368	4	18°18'04	17°88'45	4*	6°58'42	6°00'84			698	20°49'68	26°89'63				72 396 9°5
4369	138	19°57'88	17°45'96	19	7°96'03	5°51'59		R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 12 <sup>m</sup>							
4370	188	21°89'95	17°95'16	228	10°30'16	5°89'16	71 441 9°5	Centre R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. + 72°			
4371	4*	23°29'90	17°75'53	4	11°68'91	5°63'10		Plate 4373. 1899, March 14.				Plate 3024. 1896, Feb. 25.			
4372	6	24°53'08	17°52'60	8	12°90'62	5°33'56		4425	9	2°89'95	14°37'57	9	14°62'34	2°14'17	
4373	4	14°68'30	18°90'53					4426	5*	2°99'39	14°98'51	6	14°68'56	2°75'61	
4374	148	15°00'90	18°91'18	19	3°46'60	7°19'64		4427	8	7°13'97	14°17'22	7†	18°87'05	2°15'95	
4375	11	16°84'44	18°79'56	12	5°29'63	6°98'78		4428	4	7°17'80	14°03'53				
4376	248	17°74'91	18°42'34	358	6°17'93	6°56'72	71 437 8°9	4429	10	10°86'52	14°26'04	7*	22°58'82	2°43'81	
4377	3	19°14'03	18°02'90	3*	7°54'61	6°10'20		4430	5	11°56'26	14°33'01				
4378	188	19°44'30	18°88'81	208	7°89'55	6°95'00	71 438 9°5	4431	298	3°60'30	15°98'28	268	15°24'62	3°78'32	
4379	5	19°97'63	18°58'59	5†	8°41'20	6°62'41		4432	178	5°54'95	15°72'87	15*	17°20'13	3°63'21	
4380	4	20°06'20	18°73'46	4	8°50'40	6°76'70		4433	15	6°59'71	15°36'45	14	18°26'67	3°31'92	
4381	3	21°69'80	18°29'53	4	10°11'69	6°24'76		4434	6	8°48'47	15°86'67				
4382	4	21°97'10	18°79'44	5	10°41'48	6°73'13		4435	188	8°79'52	15°54'93	18	20°45'24	3°61'92	
4383	9	23°02'05	18°54'48	8	11°45'06	6°42'80		4436	338	9°22'40	14°92'97	448	20°91'61	3°02'13	71 447 9°0
4384				5	13°24'23	6°18'00		4437	12	10°72'31	14°88'50	10	22°41'43	3°05'45	
4385				6	13°68'47	6°11'99		4438	8	11°77'06	15°76'63	7	23°41'30	3°99'38	
4386	8	15°00'75	19°76'22	11	3°50'78	8°04'45		4439	9	12°68'20	15°04'25	5*	24°35'85	3°31'89	
4387	4	15°19'65	19°75'12					4440	5	13°31'71	15°43'59				
4388	3	16°44'76	19°02'58					4441	7	6°91'45	16°16'79	6	18°54'43	4°13'94	
4389	5	17°48'45	19°22'91	4	5°95'25	7°38'81		4442	9	11°72'95	16°02'28	6*	23°35'80	4°24'41	
4390	318	20°97'53	19°98'50	298	9°47'70	7°96'78	71 439 8°9	4443				5	14°09'31	5°62'33	
4391	4*	22°30'97	20°95'82	6	10°86'13	8°87'48		4444	3*	2°73'82	17°69'72	5	14°28'93	5°45'19	
4392	17	22°53'99	20°22'22	17	11°05'32	8°12'68		4445	4*	2°74'36	17°69'79	6	14°30'04	5°45'31	
4393	4*	22°63'78	20°04'76	4	11°14'07	7°94'71		4446				5	14°31'93	5°59'11	
4394	498	23°29'53	20°79'94	428	11°83'49	8°66'93	71 442 7°8	4447				4	14°55'05	5°19'89	
4395	10	15°01'28	21°69'85	12	3°61'19	9°97'40		4448	7*	3°06'28	17°57'08	7	14°62'26	5°34'15	
4396	4	15°02'55	21°35'46					4449	6*	3°99'03	18°00'57	8	15°52'46	5°82'41	
4397	198	15°28'02	21°85'84	20	3°88'52	10°12'31		4450	10	4°05'66	17°73'21	12	15°60'52	5°55'57	
4398				4	9°15'56	9°78'26		4451	12	5°46'79	17°81'72	11	17°01'10	5°71'48	
4399	10	22°13'70	21°27'48	10	10°70'03	9°19'99		4452	6	5°51'04	17°72'53	8	17°06'00	5°62'29	
4400				4	11°89'11	9°18'29		4453	15	7°73'98	17°71'81	16	19°28'57	5°73'27	
4401	10	14°22'83	22°42'47	13	2°86'25	10°73'98		4454	328	3°90'98	18°63'87	258	15°41'36	6°45'09	71 444 9°4
4402	3*	17°50'64	22°69'47	4*	6°14'43	10°84'88		4455	7	4°48'01	18°69'88	8	15°98'00	6°54'41	
4403	13	19°76'23	22°66'70	15	8°39'86	10°70'92		4456	338	4°69'40	18°60'54	288	16°19'94	6°45'87	71 445 9°2
4404	5	20°13'82	22°66'64	6	8°77'63	10°69'03		4457				5	17°40'45	6°06'55	
4405	6†	21°12'57	22°24'38	6	9°73'71	10°21'99		4458	14	8°53'04	18°17'51	12	20°05'20	6°22'78	
4406	7	22°17'07	22°99'20	7	10°81'91	10°91'19		4459	8	8°75'10	19°79'27	10	20°18'84	7°85'55	
4407	7	23°90'52	22°02'33	13	12°50'68	9°86'17		4460	4	8°97'98	19°64'30	5	20°42'64	7°71'57	
4408				5	12°52'01	10°27'31		4461	9	9°96'55	19°68'69	11	21°40'94	7°81'03	
4409	258	15°30'01	23°46'07	268	3°98'28	11°72'28	71 433 9°3	4462	5	9°93'93	19°28'63	5	21°40'07	7°41'21	
4410	12	15°70'88	23°03'56	15	4°36'99	11°27'47		4463	5	10°54'46	19°40'04				
4411	3†	16°86'44	23°34'83	5	5°53'99	11°53'24		4464	4†	11°61'20	19°05'23	4*	23°08'17	7°26'27	
4412	4*	18°14'97	23°57'27	6	6°83'29	11°68'98		4465	9	4°50'61	20°91'56	8	15°89'10	8°75'66	
4413	3*	18°96'08	23°56'57	3	7°64'56	11°64'14		4466	14	8°28'99	20°35'37	14	19°69'87	8°38'87	
4414	4	20°52'16	23°37'25	6	9°19'55	11°37'65		4467	318	8°37'01	20°06'28	288	19°79'55	8°10'40	71 446 8°9
4415				4	9°20'33	11°21'43		4468	5	13°47'25	19°81'43	5*	24°90'60	8°11'80	
4416	16	21°16'39	23°96'58	18	9°86'46	11°93'68	71 440 9°5	4469	4*	6°08'87	21°16'98	6	17°45'87	9°09'23	
4417	13	14°75'89	24°13'81	14	3°47'58	12°42'40		4470	4†	7°79'10	21°67'34	5	19°13'38	9°68'39	
4418	278	15°52'17	24°20'98	288	4°24'21	12°45'78	71 434 9°4	4471	9	8°42'93	21°09'58	10	19°80'00	9°13'78	
4419	6	19°14'82	24°22'03	10	7°86'45	12°28'75		4472	6	01°96'90	21°58'44	7	22°31'14	9°76'16	
4420				4	9°34'54	12°21'57									

No. 4432. The 3<sup>m</sup> image coincides with a fault in the film and is not measurable.1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71°, and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 8 <sup>h</sup> 0 <sup>m</sup> to 8 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>								R.A. 8 <sup>h</sup> 12 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4373. 1899, March 14.				R.A. 8 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3024. 1896, Feb. 25.				Centre R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4373. 1899, March 14.				R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 4762. 1900, Jan. 2.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.				Mag.				No.				Mag.			
4473	18	11°24'01	21°57'41	16	22°58'45	9°76'22	°	4525	6	21°10'48	17°01'83	10	9°48'44	4°98'68	°
4474	13	12°01'68	21°54'37	16	23°36'07	9°76'99	m.	4526	8	21°21'08	16°18'46	18	9°55'00	4°14'58	m.
4475	4	13°23'47	21°27'50					4527	12	15°78'65	17°60'52	22§	4°20'14	5°82'46	
4476	6	13°44'44	21°04'53	7	24°80'84	9°34'90		4528	4*	16°53'11	17°73'39	6	4°95'23	5°91'93	
4477	10	13°82'16	20°85'59	13	25°19'82	9°17'88		4529	16	17°49'69	16°90'55	28§	5°87'33	5°04'48	
4478	10	7°96'00	22°22'53	10	19°27'36	10°24'28		4530	7	20°19'11	17°79'93	13	8°60'91	5°80'89	
4479	5	8°28'33	21°96'50	6	19°60'97	10°00'25		4531	16	20°25'93	17°99'50	21§	8°68'60	5°99'98	71 456 9'5
4480	5	11°32'32	22°43'64	6	22°62'02	10°62'92		4532	16	21°53'29	17°21'32	23§	9°92'13	5°15'96	
4481	27§	4°77'16	23°21'41	18§	16°03'99	11°06'35		4533	14	21°55'78	17°60'48	23§	9°96'38	5°54'89	71 458 9'5
4482	15	5°65'00	24°01'05	14§	16°87'55	11°90'58		4534				4	11°53'55	5°66'20	
4483	14	8°56'70	23°93'58	12	19°79'07	11°98'15		4535				6	11°67'02	5°69'40	
4484	6	8°59'12	23°19'50	8	19°85'54	11°24'43		4536				7	12°73'90	5°41'23	
4485	10	8°58'88	23°00'18	11	19°86'11	11°04'92		4537	8	14°66'41	18°71'24	15§	3°13'42	6°98'35	
4486	6	8°80'24	23°04'91	7	20°07'55	11°10'79		4538	10	15°77'08	18°06'21	18	4°20'71	6°28'13	
4487	27	13°91'07	23°45'13	27§	25°15'27	11°77'57	71 450 9'5	4539	4	15°80'92	18°36'76	9	4°25'81	6°58'56	
4488	11	2°87'15	24°86'47	13	14°05'43	12°61'60		4540	17§	15°93'50	17°87'55	28§	4°36'07	6°08'90	
4489				5	15°02'15	12°31'87		4541	3*	16°51'91	18°20'09	5	4°96'05	6°38'55	
4490				5	18°52'69	12°55'57		4542	4†	17°79'74	18°50'89	9	6°25'10	6°63'10	
4491	5†	7°98'06	24°68'41	7	19°16'58	12°69'76		4543	31§	17°94'95	18°48'01	41§	6°40'20	6°59'51	71 453 8·8
4492	19	8°99'60	23°98'65	17	20°21'63	12°05'68		4544	10	18°52'29	18°70'97	19§	6°98'78	6°79'81	
4493	9	9°05'25	23°94'61	11	20°27'63	12°01'90		4545				4	7°39'64	6°54'16	
4494	30§	11°11'89	24°04'48	25§	22°33'32	12°22'34	71 449 9'5	4546	3*	19°95'83	18°42'51	5	8°40'73	6°44'44	
4495	6	13°01'00	23°98'48	7*	24°22'39	12°26'21		4547	7	22°04'82	18°64'13	11	10°50'23	6°55'86	
4496				9	14°09'89	13°01'43		4548	50§	22°71'08	18°38'32	60§	11°15'11	6°27'25	71 459 7·7
4497				10	14°37'46	13°87'38		4549				4	11°63'60	6°63'85	
4498				7	14°93'63	13°58'37		4550	13	14°11'67	19°49'46	26§	2°62'14	7°79'22	
4499	21	4°58'35	25°97'65	16	15°70'69	13°81'60	72 402 9'5	4551	5	15°15'04	19°51'46	10	3°65'85	7°76'27	
4500	22	11°19'74	24°88'53	18§	22°36'70	13°06'79		4552				4	4°69'22	7°18'12	
4501	9	12°11'01	25°07'51	10	23°27'19	13°30'40		4553	10	16°95'53	19°14'18	19§	5°44'06	7°30'23	
4502	12	12°13'29	25°49'30	11	23°27'22	13°72'11		4554				5	6°37'77	7°18'27	
	57§	11°76'66	26°90'43				72 410 8·7	4555	4	19°41'85	19°08'51	10	7°89'63	7°12'84	
R.A. 8 <sup>h</sup> 12 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup>								4556				6	8°72'07	7°33'65	
Centre R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 4373. 1899, March 14.				R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 4762. 1900, Jan. 2.				4557				4	11°19'29	7°30'39	
Plate 4373. 1899, March 14.				Plate 4762. 1900, Jan. 2.				4558	7	23°27'79	19°98'20	13	11°79'57	7°84'17	
4503	18	25°56'12	14°17'30	25§	13°80'06	1°93'16	71° 460 9'0	4559				4	12°88'39	7°68'83	
4504	4*	14°69'98	14°64'28	6*	2°97'55	2°91'74		4560				4	13°36'45	7°94'38	
4505	3*	18°19'07	14°51'41	4*	6°45'53	2°62'47		4561				10	13°71'20	7°10'14	
4506	3*	20°01'38	14°58'11	4*	8°27'80	2°60'55		4562	5	15°46'06	19°78'56	9	3°97'98	8°01'88	
4507				4	10°82'63	2°10'93		4563	2*	15°68'08	20°03'75	6	4°21'22	8°26'13	
4508	13	22°80'80	14°92'52	26§	11°08'52	2°81'41		4564	9	16°39'98	20°78'97	15§	4°96'40	8°97'73	
4509	5*	22°98'98	14°39'33	7	11°23'98	2°27'40		4565	3*	17°70'97	20°22'03	5	6°24'77	8°34'89	
4510	5*	23°13'00	14°88'75	9	11°40'78	2°76'28		4566				4	6°40'66	8°71'70	
4511	2*	23°36'12	14°27'51	4*	11°60'96	2°14'24		4567	2*	19°07'52	20°42'53	8	7°61'97	8°48'57	
4512	5	24°70'61	14°52'36	14	12°96'43	2°32'24		4568	4	19°08'34	20°92'40	10	7°65'06	8°98'25	
4513	23§	25°09'00	14°24'17	34§	13°33'39	2°02'03		4569				4	8°33'58	8°49'73	
4514				5	13°40'26	2°63'98		4570				4	8°77'06	8°75'38	
4515	5†	14°02'86	15°30'47	7*	2°33'36	3°60'89		4571				4	9°29'76	8°04'75	
4516	4*	17°17'08	15°65'81	6	5°49'34	3°81'67		4572	6*	21°78'12	21°00'51	7	10°22'34	8°66'93	
4517	5*	20°99'98	15°25'85	7	9°29'49	3°23'47		4573	17	22°69'08	20°34'57	10	10°34'85	8°93'63	
4518	3*	21°23'06	15°17'96	6	9°51'99	3°14'43		4574				27§	11°22'53	8°23'49	
4519				6	13°14'10	3°09'42		4575				5	11°23'61	8°75'83	
4520	13	25°45'98	15°35'66	21§	13°75'92	3°11'99		4576				4	12°98'35	8°28'82	
4521	30§	16°33'66	16°11'02	44§	4°67'78	4°30'47	71 451 9'5	4577	2*	14°21'41	21°39'27	5	13°98'75	8°09'54	
4522	3*	16°96'13	16°31'26	7	5°31'30	4°47'67		4578				3	6°32'76	9°83'38	
4523	4†	18°32'21	16°28'68	8	6°67'10	4°38'55		4579				17§	7°47'74	9°78'85	
4524	10	19°46'70	16°72'93	20§	7°83'43	4°77'56		4580	11	18°87'08	21°72'13	9	7°97'18	9°25'01	
								4581	4*	19°39'01	21°20'51	43§	9°13'40	9°33'72	71 457 8·8
								4582	30§	20°54'98	21°34'71	4	11°23'38	9°93'15	
								4583							

1 réseau interval represents very nearly 5' = 61°·4 of R.A. at Dec. +71° and 64°·7 at Dec. +72°.

## ZONE + 71°.

R.A. 8 <sup>h</sup> 12 <sup>m</sup> to 8 <sup>h</sup> 24 <sup>m</sup> —contd.									R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 36 <sup>m</sup> —contd.																
Centre R.A. 8 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.										
Plate 4373. 1899, March 14.			Plate 4762. 1900, Jan. 2.			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.										
No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.	No.	Diam.	$\alpha$ .	$y$ .	Diam.	$\alpha$ .	$y$ .	B. D.										
																No.	Mag.								
4584	5	16°0040	22°7106	10	4°6624	10°9151	°	m.	4637	10	4°9130	16°4402	14	16°4231	4°3085	°	m.								
4585	248	17°5768	22°5247	298	6°2216	10°6536	71 452	9°4	4638	22	6°1285	16°1334	268	17°6554	4°0603										
4586	4	18°2227	22°0575	11	6°8442	10°1568			4639	4	6°2748	16°5676	5	17°7765	4°5040										
4587	378	18°3702	21°9550	428	6°9863	10°0480	71 454	9°0	4640	4†	7°8935	16°3785	5	19°4012	4°3951										
4588	198	18°6113	21°9277	258	7°2275	10°0100	71 455	9°4	4641	14	9°2825	16°3802	20	20°7894	4°4687										
4589				4	7°3125	10°8269			4642	18	9°8229	16°6178	24	21°3192	4°7298										
4590	4*	18°6727	22°9246	7	7°3367	10°9978			4643	18	10°5996	16°6802	23	22°0927	4°8335										
4591				4	8°4053	10°3243			4644	268	12°5114	15°9245	398	24°0392	4°1752	71 466	9°5								
4592				6	8°7478	10°2703			4645	5*	3°7754	17°9029	7	15°2138	5°7138										
4593				4	9°1559	10°6733			4646	6	10°8349	17°6897	8	22°2744	5°8548										
4594				4	11°3531	10°9091			4647				4	14°2809	6°7042										
4595				6	13°5451	10°3058			4648	30	3°0512	18°9516	238	14°4367	6°7262										
4596				8	13°7918	10°3626			4649	4*	3°2710	18°3847	5	14°6880	6°1697										
4597				6	3°1317	11°1949			4650	3*	3°7843	18°6642	5	15°1800	6°4792										
4598	4	16°0583	23°2641	10	4°7415	11°4649			4651	4*	3°9588	18°3577	6	15°3699	6°1790										
4599	10	16°3809	23°0540	17	5°0525	11°2402			4652	7	5°4928	18°7499	8	16°8880	6°6449										
4600				4	5°2380	11°2347			4653	4	10°3112	18°2388	4	21°7267	6°3763										
4601				4	7°5310	11°2929			4654	4	13°1412	18°4090	5*	24°5480	6°6881										
4602	7	19°2984	23°0807	14	7°9687	11°1284			4655				3	15°0203	7°7025										
4603				118	8°6695	11°8059			4656				4	15°1004	7°5843										
4604	14	19°9698	23°7950	118	8°6748	11°8103			4657	6	6°5659	19°4564	9	17°9206	7°4030										
4605				6	9°4270	11°2922			4658	4	7°6367	19°6299	6	18°9835	7°6318										
4606				4†	9°5669	11°2223			4659	8	11°4114	18°8113	9	22°7936	7°0038										
4607				4	13°3785	11°5601			4660	4	12°8079	19°2888	5	24°1640	7°5484										
4608	5	17°3400	24°5448	9	6°0803	12°6805			4661	4	12°9840	19°5187	4*	24°3318	7°7873										
4609	6	19°8965	24°4353	12	8°6295	12°4519			4662	8	13°1204	19°2290	12	24°4805	7°5054										
4610				6	8°7162	12°9570			4663	7	13°3558	18°8397	8*	24°7355	7°1293										
4611				8	9°4999	12°4772			4664	20	13°5643	19°0642	308	24°9336	7°3651										
4612	408	21°3138	24°9478	488	10°0675	12°8954	72 417	8°5	4665	19	3°5738	20°8976	208	14°8618	8°6925										
4613	17	21°7575	24°5018	238	10°4898	12°4287	72 419	9°4	4666	28	4°3107	20°3056	238	15°6295	8°1387										
4614				6	10°8589	12°6764			4667	4*	4°3635	21°1548	6	15°6367	8°9910										
4615	14	23°7393	24°9313	218	12°4904	12°7634	72 421	9°5	4668	24	7°0859	20°7993	258	18°3761	8°7722	71 464	9°5								
4616				5	13°7106	12°1618			4669	3*	8°4632	20°4073	4	19°7726	8°4486										
4617				3	3°3724	13°4377			4670	7	9°6997	19°9303	7*	21°0294	8°0342										
4618	208	15°7781	25°3707	338	4°5601	13°5828	72 414	9°5	4671	14	11°5444	20°7702	15	22°7814	8°9658										
4619				6	4°6190	13°1090			4672	6	12°6354	20°6509	6	23°9283	8°9048										
4620	13	16°3752	25°3152	238	5°1535	13°4993			4673				7	14°3281	9°4348										
4621	4*	16°3994	25°3941	10	5°1795	13°5734			4674				4	14°6815	9°2587										
4622				7	5°9190	13°2783			4675				5	16°0538	9°1755										
4623	17	19°8705	25°0487	268	8°6342	13°0652			4676	5*	4°8466	21°5245	9	16°1020	9°3841										
4624				9	9°9740	13°9268			4677				4	19°2622	9°6652										
4625				4	11°7091	13°2366			4678	29	3°1000	23°1025	228	14°2769	10°8721										
4626	11*	23°4586	25°5609	208	12°2401	13°4066			4679				5	15°0408	10°4543										
4627				7	12°5535	13°8745			4680				4	15°3767	10°3212										
R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 36 <sup>m</sup>									R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 36 <sup>m</sup>																
Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.										
Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.			Plate 1855. 1894, March 4.			Plate 4762. 1900, Jan. 2.										
4628	11	2°9266	14°9668	17	14°5138	2°7403	°	m.	4681	14	7°3288	22°3209	16	18°5414	10°3045										
4629	25	2°9353	14°4774	228	14°5477	2°2502			4682	19	8°2353	22°0730	20	19°4609	10°1051										
4630	5	3°4322	14°6148	5	15°0323	2°4131			4683	4	11°2558	22°7469	7	22°4408	10°9315										
4631	11	3°5636	14°2412	10	15°1838	2°0457			4684	11	11°9202	22°4998	14	23°1178	10°7133										
4632	14	5°0556	14°3503	12	16°6749	2°2309			4685	3*	12°1736	22°6907	5	23°3605	10°9166										
4633	13	7°8864	14°1337	15	19°5114	2°1565			4686	4*	12°8484	22°1577	4	24°0618	10°4181										
4634	21	13°4979	14°0393	36	25°1189	2°3437	71 469	9°3	4687	328	13°1321	22°4215	388	24°3323	10°6962	71 467	9°3								
4635	15	6°7061	15°5811	19	18°2597	3°5412			4688	12	13°2346	22°1901	14	24°4440	10°4685										
4636	19	7°4502	15°0781	22	19°0260	3°0770			4689	418	13°2691	21°7697	538	24°5028	10°0525	71 468	8°5								
									4690				6	15°2478	11°2798										
									4691	4*	5°4501	23°2273	7	16°6157	11°1147										
									4692	238	9°0852	23°2040	298	20°2496	11°2743	71 465	9°5								
									4693	15	10°4001	23°1496	198	21°5672	11°2841										
									4694	4	11°0645	23°4513	6	22°2140	11°6228										
									4695	23	12°0597	23°1132	308	23°2265	11°3343										

Nos. 4603, 4604. Plate 4373. The images are not separable and are measured as one mass.

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. +71° and 64".7 at Dec. +72°.



## ZONE + 71°.

R.A. 8 <sup>h</sup> 24 <sup>m</sup> to 8 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 8 <sup>h</sup> 36 <sup>m</sup> to 8 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1855. 1894, March 4.				R.A. 8 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 4762. 1900, Jan. 2.				Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1855. 1894, March 4.				R.A. 8 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 4763. 1900, Jan. 2.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
4696	42	4.4126	24.3493	378	15.5293	12.1826	72° 424 8.9	4748				4	11.6018	6.3529	
4697	6*	6.1968	24.8410	14	17.2854	12.7628		4749				6	12.7120	6.2556	
4698				3	19.8989	12.9713		4750	21	24.2354	18.4179	218	12.7121	6.2419	
4699	14	12.9255	23.7499	14	24.0600	12.0115		4751	2*	17.6133	19.6525	3*	6.1587	7.8053	
4700	18	3.0362	25.8256	208	14.0800	13.5850		4752	3*	18.7606	19.5495	4	7.2993	7.6465	
4701				4	14.5468	13.8840		4753	5	19.0538	19.7067	8	7.6023	7.7868	
4702				5	16.7531	13.6590		4754	14	19.1660	19.7235	178	7.7130	7.7996	
4703				5	16.7712	13.5748		4755	6	19.2919	19.2314	11	7.8118	7.3044	
4704				5	17.7184	13.8518		4756	15	20.8119	19.3618	178	9.3373	7.3588	
4705				4	18.5471	13.2051		4757				6	10.5648	7.4131	
4706				4	19.4669	13.0463		4758				6	10.8511	7.7758	
4707	23	9.7742	25.2644	228	20.8340	13.3649		4759				7	11.8824	7.1495	
4708	16	9.8485	25.1643	188	20.9140	13.2690		4760				6	12.6016	7.9308	
4709	8	10.9601	25.3092	13	22.0168	13.4682		4761	21	18.1177	20.8366	21	6.7236	8.9635	
4710	5†	10.9770	25.3237	8	22.0308	13.4838		4762	6	18.5330	20.7897	10	7.1320	8.8964	
R.A. 8 <sup>h</sup> 36 <sup>m</sup> to 8 <sup>h</sup> 48 <sup>m</sup> .								R.A. 8 <sup>h</sup> 36 <sup>m</sup> to 8 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1855. 1894, March 4.				R.A. 8 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 4763. 1900, Jan. 2.				Centre R.A. 8 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 1855. 1894, March 4.				R.A. 8 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 4763. 1900, Jan. 2.			
4711	308	14.4642	14.5590	508	2.7633	2.8737	71° 471 9.3	4763	21	19.7265	20.0537	248	8.2887	8.1029	
4712	8	16.4600	14.3628	7*	4.7469	2.5817		4764	208	23.7001	20.9860	238	12.3038	8.8381	
4713	5	17.9445	14.1941	4*	6.2163	2.3388		4765	6*	24.0498	20.4731	10	12.6249	8.3098	
4714	228	21.9438	14.5614	258	10.2312	2.5065		4766	5*	24.4280	20.6610	6	13.0088	8.4752	
4715	4*	22.0758	14.6205	5*	10.3670	2.5603	71 479 9.4	4767	418	15.5221	21.4233	448	4.1606	9.6792	71 475 8.9
4716	10*	24.1737	14.5175	10	12.4564	2.3522		4768	8	16.7199	21.5098	10	5.3616	9.7065	
4717	4	16.2972	15.6902	4*	4.6524	3.9178		4769	10*	18.9879	21.0332	148	7.6014	9.1167	
4718	6	16.4848	15.0889	5*	4.8054	3.3074		4770	288	20.0622	21.2060	278	8.6818	9.2356	71 478 9.5
4719	13	17.2870	15.6830	19	5.6399	3.8592		4771				4	11.5926	9.4635	
4720	7	19.7150	15.4842	8	8.0510	3.5411		4772	14	24.9153	21.5609	208	13.5435	9.3496	
4721	18	20.2317	15.3439	228	8.5603	3.3733		4773	4*	15.3962	21.8709	6	4.0545	10.1325	
4722	15	20.5895	15.0665	218	8.9043	3.0763		4774	13	15.7862	22.6240	168	4.4821	10.8644	
4723	208	14.7344	16.1903	278	3.1145	4.4913	71 472 9.5	4775	3*	16.4395	21.8604	4	5.0967	10.0735	
4724	9	14.8334	16.6401	13	3.2354	4.9370		4776				4	8.4955	10.8745	
4725	5	14.9173	16.4643	6*	3.3118	4.7553		4777				4†	11.6090	10.0411	
4726	6	16.6480	16.4280	7	5.0377	4.6338		4778	8†	23.5562	23.0179	138	12.2622	10.8718	
4727	4	16.7684	16.5363	5	5.1656	4.7357		4779	13	20.2371	23.8993	188	8.9888	11.9164	
4728	11	16.8671	16.1881	138	5.2442	4.3827		4780				5	9.1833	11.6925	
4729	448	23.7636	16.3220	428	12.1113	4.1702	71 482 8.5	4781				4	10.0343	11.5806	
4730	388	23.7743	16.3337	318	12.1206	4.1810		4782	9	22.4150	23.2900	168	11.1310	11.1993	
4731	15	24.5618	16.2874	208	12.9310	4.1009		4783	378	14.8345	23.9193	398	3.5953	12.2023	71 473 9.4
4732	448	14.1736	17.5922	568	2.6234	5.9225	71 470 7.8	4784				4	4.2598	12.8248	
4733	7	14.6790	16.8422	9	3.0922	5.1454		4785	8	16.1817	24.6832	10	4.9793	12.9030	
4734	288	16.5639	17.4105	328	4.9983	5.6182	71 476 9.4	4786	4*	16.6694	24.2585	6	5.4459	12.4574	
4735	238	16.9965	17.2436	378	5.4266	5.4332	71 477 9.1	4787				4	6.2508	12.2996	
4736	6	17.4442	17.1182	9	5.8663	5.2829		4788				4	6.2757	12.1127	
4737	13	17.9643	17.1989	178	6.3877	5.3368		4789				4	7.1947	12.0819	
4738	5	21.4172	17.5385	98	9.8538	5.5050		4790				4	7.5465	12.2862	
4739				4	13.3263	5.7370		4791				4	9.6066	12.4849	
4740	3	15.1676	18.5964	5*	3.6695	6.8733		4792				138	11.8650	12.8774	
4741	9	15.2008	18.2888	13	3.6830	6.5630		4793	19	23.6996	24.8841	258	12.4953	12.7295	
4742	3*	17.2104	18.0494	4*	5.6793	6.2251		4794				4	4.2269	13.8880	
4743	6	18.1337	18.7142	8	6.6328	6.8448		4795				6	6.0335	13.2713	
4744	10	18.5250	17.0090	12	6.9893	6.1182		4796				6	6.3283	13.3741	
4745	6	21.0145	18.2180	11	9.4862	6.2060		4797	288	17.9858	24.9725	318	6.7955	13.0993	72 430 9.5
4746				4	10.7382	6.6015		4798				4	10.9880	13.2010	
4747				4	11.1895	6.6242		4799	318	24.6634	25.8485	328	13.5040	13.6429	
								4800				6	13.8913	13.4115	
No. 4715. Plate 4763. The film is broken near this star; the accuracy of these measures is therefore doubtful.								No. 4769. Plate 1855. The 3 <sup>m</sup> image falls on the réseau line.							

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71° and 64.7 at Dec. + 72°.

## ZONE + 71°.

B. D.							B. D.										
No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .	No.	Diam.	$\alpha$ .	$\delta$ .	Diam.	$\alpha$ .	$\delta$ .				
R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup>							R.A. 8 <sup>h</sup> 48 <sup>m</sup> to 9 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2509. 1895, April 7.							Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2509. 1895, April 7.										
R.A. 8 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 4763. 1900, Jan. 2.							R.A. 8 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 4763. 1900, Jan. 2.										
4801	49 $\frac{8}{16}$	2°79'14	14°66'86	75 $\frac{8}{16}$	14°56'26	2°43'55	71° 484	7°0	4861	5*	3°57'60	24°87'21	14	14°82'93	12°67'13		
4802	16	4°04'62	14°53'25	29 $\frac{8}{16}$	15°82'31	2°36'49			4862	5*	6°99'20	24°43'21	11	18°27'37	12°39'75		
4803	15	4°95'68	14°95'03	25 $\frac{8}{16}$	16°71'26	2°81'74			4863				5	20°58'97	12°53'56		
4804	5	10°53'41	14°42'90	8	22°30'52	2°58'02			4864	6	10°41'27	24°65'11	17	21°68'07	12°78'37		
4805	5†	4°87'48	16°02'47	10	16°57'42	3°89'36			4865				8	22°10'58	12°67'78		
4806	10	5°20'61	15°35'47	19 $\frac{8}{16}$	16°94'20	3°24'28			4866				5	22°55'83	12°09'19		
4807				4	17°82'88	3°70'23			4867	13	12°53'19	24°13'65	23 $\frac{8}{16}$	23°81'95	12°37'58		
4808	6	6°23'82	16°00'70	18 $\frac{8}{16}$	17°94'15	3°93'88			4868	4	12°58'53	24°27'38	9	23°86'83	12°51'64		
4809	20 $\frac{8}{16}$	6°61'58	16°04'03	35 $\frac{8}{16}$	18°31'45	3°99'63			4869	52	4°23'60	25°84'21	42 $\frac{8}{16}$	15°45'28	13°66'56	72 436	9°1
4810	4*	7°10'71	15°60'39	4†	18°82'67	3°58'49			4870				9	15°85'09	13°24'70		
4811	10	9°07'15	15°60'19	22	20°78'79	3°67'94			4871				4	17°69'63	13°47'35		
4812	6	9°31'69	15°75'13	20 $\frac{8}{16}$	21°02'43	3°84'40			4872				4	19°15'38	13°08'86		
4813	15	9°87'74	15°02'60	39 $\frac{8}{16}$	21°62'34	3°14'40			4873				4	23°12'39	13°76'89		
4814	16 $\frac{8}{16}$	13°03'15	14°85'42	40 $\frac{8}{16}$	24°78'19	3°12'80							82 $\frac{8}{16}$	23°73'74	1°19'50	71 489	8°8
4815				4	19°79'43	4°95'95							89 $\frac{8}{16}$	26°55'91	11°54'81	71 492	6°5
4816	13	12°06'00	15°90'21	38 $\frac{8}{16}$	23°75'89	4°12'79			R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup>								
4817	13	12°74'50	16°62'78	35 $\frac{8}{16}$	24°41'02	4°88'45			Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2509. 1895, April 7.								
4818	4†	12°99'69	15°78'57	6*	24°70'13	4°05'86			R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4764. 1900, Jan. 2.								
4819	4†	13°97'36	15°80'70	6*	25°67'80	4°12'99			4874	5	15°41'14	14°50'85					
4820	5*	2°96'11	17°90'89	17	14°56'96	5°68'30			4875	5	18°10'40	14°75'18	11	6°44'38	2°82'93		
4821				4	19°87'77	5°10'31			4876	9	21°55'30	14°51'19	14	9°87'62	2°41'73		
4822	4*	3°56'93	19°13'84	6	15°11'47	6°93'86			4877	4*	24°15'28	14°67'29	14	12°48'03	2°44'79		
4823	4*	4°98'30	18°60'44	7	16°55'18	6°47'95			4878	12	24°16'87	14°70'09	19	12°49'74	2°47'56	71 498	9°5
4824				4	18°30'54	6°92'08			4879				6	13°70'38	2°77'27		
4825				13	20°31'88	6°82'76			4880	4*	17°09'83	15°47'39	3*	5°47'42	3°59'94		
4826	4	12°15'27	17°77'52	7	23°75'90	6°00'38			4881	3*	19°55'17	15°33'20	4*	7°91'76	3°33'72		
4827	4	13°16'38	18°09'71	6	24°75'38	6°37'55			4882	4*	19°66'34	15°40'74	5	8°03'13	3°40'49		
4828	5†	6°79'38	19°82'93	10	18°30'35	7°78'97			4883				4	8°93'46	3°92'71		
4829	16 $\frac{8}{16}$	8°07'67	19°43'57	21 $\frac{8}{16}$	19°60'54	7°46'01			4884				8	13°33'84	3°27'18		
4830	6	8°32'58	19°63'30	13	19°84'49	7°66'81			4885	5	17°73'47	15°94'20	7*	6°13'26	4°03'63		
4831				5	22°67'70	7°26'54			4886	15 $\frac{8}{16}$	19°36'64	16°07'13	20 $\frac{8}{16}$	7°76'76	4°08'20		
4832	4	11°63'15	18°83'39	6*	23°18'32	7°03'70			4887				4	8°34'08	4°32'29		
4833	3†	11°69'31	18°86'89	4*	23°24'61	7°07'45			4888	21 $\frac{8}{16}$	20°33'89	16°04'18	34 $\frac{8}{16}$	8°73'99	4°00'28	71 494	9°5
4834				5	23°53'74	7°36'52			4889	5*	22°25'37	17°10'76	11	10°70'41	4°97'23		
4835	4	9°34'64	20°90'49	4	20°80'13	8°99'05			4890	3*	23°27'59	16°55'16	5	11°70'19	4°36'78		
4836	9	9°62'55	20°51'09	20 $\frac{8}{16}$	21°09'83	8°61'03			4891	7	16°53'32	16°93'50	12*	4°98'21	5°08'62		
4837	11	9°62'63	20°52'20	18 $\frac{8}{16}$	21°10'31	8°62'24			4892	3	17°28'66	17°41'44	4	5°76'39	5°53'05		
4838	4*	9°97'12	20°87'47	5	21°42'59	8°99'23			4893				5	7°17'63	5°24'72		
4839	19 $\frac{8}{16}$	11°34'83	20°73'60	30 $\frac{8}{16}$	22°80'74	8°91'93	71 488	9°4	4894	4*	19°61'92	17°99'94	11	8°11'75	5°99'80		
4840	4	11°47'80	20°47'08	5	22°95'00	8°65'84			4895				3	11°18'48	5°34'62		
4841				4	16°11'41	9°97'93			4896	7*	23°56'77	18°05'20	16	12°06'48	5°85'11		
4842	4*	4°79'27	22°01'44	14	16°19'61	9°87'07			4897	4*	15°68'32	18°67'99	5	4°21'89	6°87'25		
4843				5	17°35'62	9°06'55			4898	17 $\frac{8}{16}$	18°90'40	18°25'98	23 $\frac{8}{16}$	7°41'59	6°28'88	71 493	9°5
4844	4*	9°81'01	21°36'07	6	21°23'73	9°46'88			4899	7	20°40'96	18°41'21	14	8°92'80	6°36'88		
4845	4	10°47'62	21°37'28	8	21°90'57	9°51'22			4900	15	14°40'19	19°25'72	27 $\frac{8}{16}$	2°97'31	7°51'43	71 490	9°4
4846	3*	11°70'50	20°99'94	5	23°14'76	9°20'31			4901	3*	15°75'56	19°57'04	7	4°34'24	7°75'97		
4847				5	15°31'10	10°21'59			4902	4*	16°83'79	19°67'59	4	5°42'49	7°81'03		
4848	11	4°99'38	23°09'14	19 $\frac{8}{16}$	16°34'26	10°96'00			4903	4*	16°86'15	19°43'98	3	5°43'66	7°57'06		
4849	11	8°44'22	22°41'81						4904				6	8°28'58	7°38'04		
4850	61 $\frac{8}{16}$	8°45'48	22°40'25	83 $\frac{8}{16}$	19°83'55	10°44'01	71 486	6°7	4905				5	13°46'85	7°17'60		
4851				4	20°04'13	10°85'72			4906				7	13°63'55	7°86'49		
4852				4	20°22'90	10°29'03			4907	4*	17°68'49	19°91'54	4	6°28'17	8°00'40		
4853	9	10°38'91	22°61'46	21 $\frac{8}{16}$	21°75'60	10°74'83			4908	22 $\frac{8}{16}$	21°12'92	20°10'40	35 $\frac{8}{16}$	9°72'89	8°02'10	71 495	9°5
4854	5	10°62'53	22°32'59	7	22°00'98	10°47'40			4909	34 $\frac{8}{16}$	23°59'22	20°31'97	41 $\frac{8}{16}$	12°20'06	8°11'45	71 497	9°0
4855	6	11°55'27	22°38'94	20	22°93'00	10°58'37			4910	6*	24°10'58	20°26'46	16*	12°71'04	8°03'42		
4856	4*	11°96'25	22°73'57	5	23°31'72	10°95'00			4911	4	14°42'43	20°79'12	7†	3°06'98	9°04'41		
4857	51 $\frac{8}{16}$	2°87'27	23°73'66	50 $\frac{8}{16}$	14°19'28	11°49'52	71 483	8°5	4912	4*	15°96'28	21°72'39	7	4°65'24	9°90'03		
4858	30 $\frac{8}{16}$	6°19'29	23°84'96	41 $\frac{8}{16}$	17°50'40	11°77'64	71 485	8°7									
4859	38 $\frac{8}{16}$	8°55'72	23°68'45	52 $\frac{8}{16}$	19°87'34	11°72'73	71 487	8°8									
4860				5	23°00'98	11°95'00											

No. 4891. Plate 4764. The 3<sup>m</sup> image coincides with a fault on the film.  
No. 4910. Plate 4764. The 3<sup>m</sup> image falls on réseau line.

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 9 <sup>h</sup> 0 <sup>m</sup> to 9 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 9 <sup>h</sup> 12 <sup>m</sup> to 9 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 9 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2509. 1895, April 7.				R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4764. 1900, Jan. 2.				Centre R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.				R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4764. 1900, Jan. 2.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.
							No. Mag.								No. Mag.
4913	4*	17°0638	21°5359	6	5°7395	9°6568	° m.	4966	6	10°1111	21°2427	8	21°4578	9°3874	° m.
4914				5	10°2232	9°7874		4967	5	10°2145	21°2996	7	21°5562	9°4494	
4915	6	15°4420	22°4150	13	4°1666	10°6131		4968	5	11°4682	20°8500	7	22°8317	9°0630	
4916				4	6°7656	10°3092		4969				4	15°3199	10°1239	
4917				6	8°6287	10°7898		4970				4	15°8203	10°3050	
4918	20	21°3232	23°0530	22	10°0697	10°9606	71 496 9°0	4971				4	17°5354	10°4637	
4919				3	12°3218	10°3399		4972	14	6°4816	22°5487	20§	17°7663	10°5101	
4920	21§	15°2185	22°9673	35§	3°9703	11°1790	71 491 9°3	4973	5*	6°5246	22°6260	6	17°8079	10°5907	
4921	48§	15°2235	23°1722	71§	3°9880	11°3825	71 492 6°5	4974	26§	6°5629	22°8107	28§	17°8328	10°7750	71 502 9°5
4922	5	16°3741	23°6427	12	5°1593	11°7956		4975	9	8°3588	22°7241	13	19°6325	10°7789	
4923				4	9°5679	11°5796		4976	7	13°5288	21°8227	14	24°8417	10°1356	
4924				4	11°4403	11°2365		4977	4*	3°8536	23°7550	6	15°0754	11°5845	
4925	13*	23°5244	23°9759	22§	12°3171	11°7668		4978	5*	3°8977	23°6345	7	15°1281	11°4661	
4926				8	12°6160	11°5210		4979				5	15°9724	11°1436	
4927				4	3°6156	12°1531		4980	11	5°2828	23°1782	14	16°5374	11°0771	
4928				4	5°5572	12°3856		4981	4	5°8442	24°0470	5	17°0536	11°9745	
4929				4	7°2867	12°9171		4982	26§	6°3796	23°1653	26§	17°6327	11°1196	
4930	41§	20°6080	24°9635	42§	9°4531	12°9001	72 448 9°2	4983				4	17°8555	11°9312	
4931				9	4°3733	13°3002		4984	8	10°1428	23°5824	10	21°3723	11°7253	
4932	4*	18°6537	25°5515	8	7°5297	13°5876		4985	4*	11°7791	22°9330	4	23°0333	11°1572	
4933				7	13°6657	1°33584		4986	4*	12°2028	23°0560	4	23°4527	11°3054	
	76§	17°9930	26°7887				72 444 6°3	4987	24§	12°8124	22°7847	29§	24°0779	11°0609	
R.A. 9 <sup>h</sup> 12 <sup>m</sup> to 9 <sup>h</sup> 24 <sup>m</sup>								4988	18§	13°8666	23°2626	24§	25°1083	11°5916	
Centre R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.				R.A. 9 <sup>h</sup> 12 <sup>m</sup> Dec. +72° Plate 4764. 1900, Jan. 2.				4989	10*	3°9976	24°9455	16§	15°1629	12°7754	
4934	9	3°0053	15°0200	11	14°6736	2°8152	° 71 501 9°5	4990				4	18°3000	12°9455	
4935	26§	3°6166	14°9186	35§	15°2890	2°7444		4991	34§	8°6053	24°2899	35§	19°8007	12°3539	72 455 9°1
4936	8	7°5809	14°3839	11	19°2737	2°4112		4992	3*	11°5409	24°5163	4*	22°7215	12°7312	
4937	6	8°9358	14°6402	8	20°6143	2°7328		4993				4	16°2613	13°8505	
4938	6	10°9898	14°0120	5†	22°6963	2°2102		4994	7*	5°3812	25°7650	11§	16°5089	13°6667	
4939	7	12°1168	14°1231	8†	23°8159	2°3766		4995				3	17°3005	13°2373	
4940	4	13°4532	14°6516					4996				6	17°6483	13°8811	
4941	18	3°7728	15°9958	25§	15°3887	3°8290		4997	35§	6°5380	25°6172	29§	17°6675	13°5747	72 453 9°5
4942	5	7°7164	15°4928	6	19°3549	3°5253						82§	26°6391	8°6287	71 504 7°3
4943	14§	8°6648	15°0920	27	20°3205	3°1722		R.A. 9 <sup>h</sup> 24 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup>							
4944	6	10°0113	15°6925	10	21°6357	3°8357		Centre R.A. 9 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 2500. 1895, March 29.				R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 4399. 1899, March 23.			
4945	4	11°4277	15°8491					4998	5	14°4654	14°5354				° m.
4946	11	11°4518	15°3454	16	23°0908	3°5638		4999	4	17°7680	14°9975				
4947	11	12°5098	14°8092	12	24°1777	3°0808		5000	38§	19°1276	14°8903	36§	7°4714	3°0168	71 507 9°2
4948	4*	3°8225	16°6165	6	15°4074	4°4519		5001	5	15°2459	15°3693				
4949	5	4°5990	16°5676	7	16°1852	4°4432		5002	18	16°8847	15°2519	13	5°2512	3°4954	
4950	35§	2°8173	17°9424	40§	14°3380	5°7256	71 500 9°1	5003	33§	22°9332	15°0853	30§	11°2802	3°0225	71 508 9°5
4951	6	2°8262	17°9970	11	14°3414	5°7820		5004	4	14°9160	16°3947				
4952	8	6°0103	17°3518	12	17°5538	5°2970		5005	6	15°1665	16°1949	4*	3°5796	4°5182	
4953	15§	6°6963	17°0933	19§	18°2558	5°0728		5006	4	22°6962	16°4992	3*	11°1175	4°4453	
4954	4	4°1470	18°9132	6	15°6159	6°7620		5007	15	17°6390	17°0920	10	6°0934	5°2889	
4955				3	16°9597	6°3657		5008	9	14°1424	18°6589	6*	2°6802	7°0319	
4956	11	6°0814	18°6434	17	17°5623	6°5866		5009	5	14°2601	18°0594	5*	2°7702	6°4257	
4957	19§	12°1843	18°6764	33§	23°6568	6°9264		5010	19§	17°6813	18°6350	17	6°2125	6°8288	
4958	10	13°4578	18°3131	15	24°9454	6°6269		5011	9	17°9983	18°0953	6	6°5022	6°2738	
4959	4*	6°0889	19°6353	5	17°5179	7°5818		5012	8	22°9945	18°4522	6	11°5092	6°3834	
4960	4*	9°9804	19°2923	4*	21°4257	7°4316		5013	4†	23°0385	18°2764	4	11°5461	6°2062	
4961	4*	7°7813	20°0399	6	19°1901	8°0661		5014	6	15°2849	19°3878	4*	3°8595	7°7020	
4962	7	3°9321	22°0205	11	15°2449	9°8545		5015	5	16°3362	19°3651	4*	4°9106	7°6255	
4963	5	4°7767	21°8064	9	16°1014	9°6830		5016	21	25°0750	19°4227	14	13°6355	7°2499	
4964	9	6°2190	21°7111	14	17°5455	9°6601		5017	7	14°3368	20°4729	4†	2°9672	8°8320	
4965	19§	8°4457	21°0852	21§	19°8115	9°1453		5018	21§	15°0125	20°3829	19	3°6351	8°7081	

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71° and 64".7 at Dec. + 72°.

ZONE + 71°.

R.A. 9 <sup>h</sup> 24 <sup>m</sup> to 9 <sup>h</sup> 36 <sup>m</sup> —contd.							R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 48 <sup>m</sup> —contd.										
Centre		R.A. 9 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			Centre		R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°				
Plate 2500. 1895, March 29.					Plate 4399. 1899, March 23.			Plate 1858. 1894, March 8.					Plate 4399. 1899, March 23.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.							B. D.										
No.		Mag.		No.		Mag.		No.		Mag.		No.		Mag.		No.	
5019	568	15.2462	20.2468	458	3.8632	8.5622	71° 504	7.3	5072	31	3.7266	20.9217	16	15.1994	8.6864	°	m.
5020	17	15.6845	20.8940	11	4.3320	9.1851			5073	21	6.7661	20.7367	10	18.2427	8.6524		
5021	16	16.9298	20.3868	4	5.5510	8.6150			5074	8	9.3993	20.6012	5	20.8771	8.6483		
5022	5	17.7139	20.2903	4	6.3264	8.4815			5075	6	10.8152	20.3363					
5023	248	18.0193	20.3309	198	6.6356	8.5055			5076	548	12.8177	20.5993	458	24.2965	8.8154	71	518
5024	238	18.0799	20.6077	198	6.7105	8.7799	71	505	5077	5	12.9703	20.4317				9.5	
5025	198	18.1757	20.9425	13	6.8225	9.1090			5078	13	3.2147	21.1753	6	14.6717	8.9134		
5026	6	22.7484	20.3913	4	11.3606	8.3318			5079	5	5.5830	21.5720	3*	17.0179	9.4240		
5027	11	24.5435	20.7243	6	13.1707	8.5758			5080	388	10.4613	21.6340	248	21.8893	9.7331	71	516
5028	538	25.2701	20.8386	288	13.9005	8.6537	71	510	5081	17	5.5133	22.0630	7	16.9220	9.9155	9.2	
5029	10	14.5063	21.3045	5	3.1789	9.6550			5082	9	10.8301	22.7625	5	22.1999	10.8764		
5030	5	14.8285	21.0962	4*	3.4903	9.4253			5083	7	13.7938	22.3397					
5031	5	16.0098	21.8218	4	4.7006	10.0962			5084	748	2.9191	24.9591	338	14.1908	12.6742	72	469
5032	11	16.9110	21.2531	8	5.5754	9.4842			5085	9	4.9490	24.5522	6	16.2352	12.3724		
5033	4	17.0302	21.5082	3*	5.7075	9.7337			5086				3	20.6033	12.9514		
5034	4†	17.5323	21.3776	3†	6.2003	9.5756			5087	518	10.0995	24.5512	308	21.3809	12.6288	72	472
5035	6	17.5886	21.3596	5	6.2570	9.5551			5088	6	10.9753	24.4325	5	22.2611	12.5534	9.0	
5036	10	24.0312	21.5004	8	12.6987	9.3753			5089	13	12.3483	24.9284	6	23.6087	13.1171		
5037	23	25.2705	21.4993	14	13.9376	9.3340			5090	468	13.9855	24.6658	428	25.2587	12.9342	72	474
5038	20	20.0874	22.8447	10	8.8256	10.9141			5091	258	10.8181	25.6002	13	22.0485	13.7097	9.0	
5039				4	12.1641	10.8720			5092	10	13.9820	25.2588	5	25.2228	13.5291		
5040	11†	24.7623	22.8684	9	13.4953	10.7040											
5041	10	17.1153	23.6817	6	5.9005	11.8781											
5042	11	15.3764	24.6735	8	4.2128	12.9748											
5043	8	14.4125	25.2650	5	3.2795	13.6144											
5044				3	9.9511	13.6463											
5045	7	22.2117	25.3342	5	11.0731	13.2959											
5046				7	12.2733	13.8207											
	718	25.3709	24.8710				72	469									8.6
R.A. 9 <sup>h</sup> 36 <sup>m</sup> to 9 <sup>h</sup> 48 <sup>m</sup>																	
Centre		R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°			R.A. 9 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			Centre		R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°			R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. + 72°				
Plate 1858. 1894, March 8.					Plate 4399. 1899, March 23.			Plate 1858. 1894, March 8.					Plate 934. 1893, March 28.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.							B. D.							B. D.			
No.		Mag.		No.		Mag.		No.		Mag.		No.		Mag.		No.	
5047	10	4.2776	14.3220	4†	16.0769	2.1238			5093	418	24.4385	14.2543	27	12.8637	1.9586	71° 527	m.
5048	14	4.5441	14.8681	5*	16.3121	2.6783			5094	4	22.2073	14.3287				9.5	
5049	13	9.1919	14.0806						5095	6	21.2582	15.6768	5	9.7605	3.5465		
5050	6	9.7503	14.0957						5096	488	18.0340	16.6518	508	6.5936	4.6870	71	522
5051	8	10.5047	14.5890						5097	13	19.9670	16.2783	7	8.5031	4.2138		8.7
5052	17	7.5315	15.0888	6†	19.2883	3.0495			5098	408	19.9648	16.9773	518	8.5379	4.9117	71	524
5053	278	8.8328	15.2049	21	20.5813	3.2317			5099	15	22.0235	16.5400	10	10.5703	4.3672		8.0
5054	20	11.9297	15.8764	10	23.6413	4.0566	71	517	5100	4*	23.5655	16.7754	5*	12.1228	4.5240		
5055	10	12.5417	15.1955						5101	4*	23.7602	16.6589	4*	12.3125	4.3965		
5056	298	3.7048	16.9915	16	15.3714	4.7584			5102	16	16.3135	17.4935	12	4.9210	5.6210		
5057	6	5.6155	16.9940	3*	17.2796	4.8563			5103	6	16.4202	17.4601					
5058	25	5.6567	16.2310	14	17.3610	4.0960			5104	478	17.0848	17.0945	468	5.6677	5.1801	71	520
5059	11	6.6165	16.0515	5	18.3285	3.9635			5105	5	17.6216	17.7216					8.8
5060	278	7.5846	16.4607	19	19.2723	4.4228			5106	9	20.8929	17.8148	7	9.5088	5.6993		
5061	308	4.1395	17.1719	16	15.7962	4.9590	71	513	5107	408	23.0890	17.8193	408	11.7019	5.5913	71	526
5062	6	11.3099	17.7774					9.5	5108	8	24.5159	17.5953	7	13.1155	5.2924		
5063	10	12.4627	17.4620						5109	10	25.2828	17.4849	9	13.8710	5.1401		
5064	6	12.6243	17.0205						5110	6	15.5708	17.9530	4*	4.2019	6.1181		
5065	348	4.0095	18.5294	228	15.5999	6.3092			5111	198	16.8852	17.9086	13	5.5134	6.0028		
5066	5	4.5607	18.4904	2	16.1498	6.2978	71	511	5112	7	19.2973	18.1875	6	7.9338	6.1552		
5067	6	10.1850	18.2614	3*	21.7773	6.3484		9.5	5113	6	20.3946	18.6540	5*	9.0550	6.5643		
5068	31	3.4908	19.6880	16	15.0235	7.4425			5114	11	21.1920	18.6523	7	9.8517	6.5248		
5069	13	4.1236	19.8683	7	15.6474	7.6538	71	512	5115	638	21.7157	18.3455	558	10.3587	6.1866	71	525
5070	8	7.1511	19.2848	5	18.6997	7.2206		9.5	5116				6	11.3100	6.7637		8.2
5071	218	11.4902	19.8887	13*	23.0024	8.0384			5117				4	11.8192	6.1728		
									5118	208	17.6496	19.5281	18	6.3596	7.5800		
									5119	6	18.3349	19.9803	5	7.0695	7.9965		
									5120	288	17.1629	20.8854	25	5.9456	8.9631	71	521
									5121	5	19.3856	20.5164	4	8.1455	8.4754		9.0
									5122	9	19.4059	20.7176	7	8.1739	8.6760		
									5123	8	24.2157	20.8539	10	12.9800	8.5630		
									5124	8	19.2374	21.4229	6	8.0427	9.3907		

1 *research* interval represents very nearly  $5' = 61^{\circ}.4$  of R.A. at Dec.  $+ 71^{\circ}$  and  $64^{\circ}.7$  at Dec.  $+ 72^{\circ}$ .



## ZONE + 71°.

R.A. 9 <sup>h</sup> 48 <sup>m</sup> to 10 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 9 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			
Plate 1858. 1894, March 8.				Plate 934. 1893, March 28.				Plate 1859. 1897, March 8.				Plate 934. 1897, March 28.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
No.								No.							
5125	11	20°8779	21°6905	10	9°6968	9°5743	°	5178	7	8°2608	20°5309	5†	19°8248	8°4071	°
5126	3*	20°9543	22°0055	4	9°7894	9°8809		5179	26§	8°8625	20°7602	25§	20°4137	8°6672	
5127	23	22°1018	21°9728	20§	10°9328	9°7915		5180	4	10°7282	20°3294				
5128	28	23°1949	21°5447	15	12°0035	9°3059		5181	88§	11°8963	20°7082	90§	23°4497	8°7536	71 534 6°3
5129				5	13°2771	9°7496		5182	74§	11°9083	20°6523	79§	23°4643	8°7005	
5130	12	15°5445	22°8375	10	4°4313	10°9958		5183	27§	12°5658	20°5309	30§	24°1256	8°6089	
5131	10	21°0303	22°4025	11	9°8851	10°2777		5184	5	12°7732	20°4249				
5132	17	15°9953	23°2997	15	4°9074	11°4344		5185	9	6°1374	21°3479	6	17°6650	9°1213	
5133	4*	16°9059	23°2687	5	5°8137	11°3550		5186	26§	11°9898	21°1982	31	23°5177	9°2482	
5134	10	20°6396	23°6879	8	9°5653	11°5802		5187	42§	5°1124	22°1128	34§	16°6050	9°8397	71 528 9°2
5135	7	14°8060	23°9480	6	3°7523	12°1447		5188	51§	6°0540	22°6280	48§	17°5226	10°3965	
5136	8	15°3715	24°1349	6	4°3270	12°3013		5189	19	9°8124	22°9803	18	21°2583	10°9266	
5137	6	15°9307	24°6036	6	4°9100	12°7422		5190	24§	7°3850	23°3515	19§	18°8174	11°1844	
5138				10	7°9528	12°1302		5191	6	9°5529	23°0190				
5139				4†	8°2605	12°3838		5192	10	12°1859	23°7553	8	23°5961	11°8149	
5140	20	19°4962	24°4047	16	8°4613	12°3555		5193	4	12°3676	23°4655	4*	23°7859	11°5311	
5141	55§	20°1249	24°1746	47§	9°0740	12°0903	72 476 8°0	5194	11	7°3389	24°4585	10	18°7233	12°2839	
5142	18	16°8641	24°9196	13	5°8587	13°0095		5195	5*	8°1414	24°6029	5	19°5130	12°4718	
5143				6	8°0295	13°4358		5196	21	8°7045	24°0250	14	20°1039	11°9167	
R.A. 10 <sup>h</sup> 0 <sup>m</sup> to 10 <sup>h</sup> 12 <sup>m</sup>								R.A. 10 <sup>h</sup> 12 <sup>m</sup> to 10 <sup>h</sup> 24 <sup>m</sup>							
Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			
Plate 1859. 1894, March 8.				Plate 934. 1893, March 28.				Plate 1859. 1894, March 8.				Plate 3890. 1898, March 2.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
5144	13	4°7112	14°1736	8	16°5760	1°8907	°	5204	36	25°0799	14°1516	29§	13°3971	1°9970	°
5145	8	4°7458	14°6184	6*	16°5872	2°3364		5205	21§	17°6453	14°5588	23	5°9908	2°7573	
5146	9	4°7506	14°6513	6*	16°5950	2°3699		5206	8	19°3614	14°7766	6	7°7135	2°8950	
5147	23§	7°4775	14°4433	23	19°3279	2°2911		5207	5	21°0621	14°3582				
5148	11	7°8195	14°8629	4*	19°6462	2°7239		5208	21	21°0901	14°3512	20	9°4198	2°3866	
5149	25§	11°8639	14°7521	37§	23°6952	2°8032		5209	8	22°8624	14°8242	6	11°2128	2°7758	
5150	10	5°4966	15°1775	5*	17°3141	2°9275		5210	19	23°7358	14°6136	14	12°0738	2°5233	
5151	11	7°2517	15°2262	6*	19°0655	3°0554		5211	16	24°5882	14°8634	11	12°9400	2°7308	
5152	19*	7°3145	15°0370	13	19°1377	2°8727		5212	6	16°6258	15°6967	5*	5°0279	3°9443	
5153	5	8°8640	15°8731	4*	20°6406	3°7838		5213	14	20°3052	14°9533	9	8°6654	3°0255	
5154	4	10°7670	15°5239					5214	42§	20°3910	15°4934	42§	8°7767	3°5596	71 538 9°3
5155	16	12°3069	15°0175	17*	24°1245	3°0882		5215	7	21°0601	14°9758	7	9°4203	3°0130	
5156	14	4°1866	16°1189	9	15°9643	3°8058		5216	7	21°5565	15°2679	4†	9°9299	3°2825	
5157	10*	5°6345	16°0290	5	17°4113	3°7867		5217	28§	21°5623	15°2544	24§	9°9330	3°2661	
5158	4	5°8435	16°1261	4*	17°6214	3°8910		5218	21	24°6929	15°7022	17	13°0828	3°5640	
5159	7	9°8784	16°1565					5219	11	25°1625	15°5608	9	13°5475	3°4006	
5160	7	12°7432	16°6193					5220	28	25°5674	15°4139	22	13°9453	3°2346	
5161	14	13°3747	16°5882	13*	25°1202	4°7085		5221	15	14°2465	15°9322	10	2°6621	4°2922	
5162	14	4°2435	17°216	8	15°9428	5°4111		5222	19	15°3655	16°5780	13	3°8100	4°8835	
5163	5	7°4184	17°8198	4	19°1077	5°6602		5223	5	17°7476	16°2315	4†	6°1681	4°4256	
5164	6	10°5062	17°8990					5224	10	17°8621	16°2172	9	6°2843	4°4036	
5165	67§	5°2568	18°1185	63§	16°9369	5°8542	71 529 7°5	5225	7	18°0270	16°7420	6	6°4774	4°9208	
5166	30§	7°0358	18°9198	29§	18°6765	6°7392		5226	12	19°9950	16°5536	11	8°4298	4°6370	
5167	29	2°4581	19°0590	21	14°0981	6°6650		5227	9	20°1741	16°4634	8	8°6062	4°5402	
5168	5*	4°4385	19°1788	5*	16°0894	6°8726		5228	5	14°2470	16°9291	3*	2°7103	5°2876	
5169	17*	4°9281	19°0333	12	16°5652	6°7517		5229	5	22°3954	17°0659	5*	10°8509	5°0357	
5170	8	9°8407	19°9309	7	21°4284	7°8807		5230	42§	23°3219	17°2251	38§	11°7860	5°1493	71 540 9°5
5171	4	10°7229	19°4541												
5172	6	11°4290	19°8281												
5173	22§	11°6831	19°8407	22	23°2746	7°8785	71 533 9°5								
5174	9	4°9698	20°7663	7	16°5251	8°4879									
5175	26§	6°1628	20°0110	26§	17°7540	7°7893	71 531 9°5								
5176	7	6°3342	20°3457	4*	17°9130	8°1290									
5177	38§	7°3031	20°4869	36§	18°8706	8°3186	71 532 9°5								

No. 5175. B. D. 71° 531. The declination given in the B. D. appears to be about 2' too large.

Nos. 5152, 5169. Plate 1859. The 3<sup>m</sup> image falls on a *réseau* line.

1 *réseau* interval represents very nearly 5' = 61.8' of R.A. at Dec. +71° and 64.7' at Dec. +72°.

## ZONE + 71°.

R.A. 10 <sup>h</sup> 12 <sup>m</sup> to 10 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 24 <sup>m</sup> to 10 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 10 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 1859. 1894, March 8.				Centre R.A. 10 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3890. 1898, March 2.				Centre R.A. 10 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 4376. 1899, March 14.				Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3890. 1898, March 2.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D. No. Mag.
5231	33§	23°78'41	17°84'87	23§	12°27'72	5°74'99	71° 54'1 9°5	5283	6	3°48'32	15°93'58	12	15°22'91	3°79'82	° m.
5232	22§	17°94'30	18°64'90	23§	6°48'00	6°82'69		5284	5	4°54'71	15°73'03	6	16°30'61	3°64'99	
5233	12	18°79'28	18°49'67	11	7°32'17	6°63'56		5285	6	6°80'01	15°65'30	11	18°55'86	3°68'90	
5234	7	19°60'68	18°66'52	6	8°14'69	6°76'63		5286	7	7°66'33	15°57'37	13	19°42'48	3°65'35	
5235	7	24°06'62	18°33'12	6	12°58'15	6°21'95		5287	18	9°16'44	15°14'63	27	20°94'54	3°30'74	
5236				4	13°71'96	6°42'87		5288	10	9°66'14	14°94'56	16	21°45'39	3°13'21	
5237	8	17°53'28	19°20'71	8	6°09'75	7°40'06		5289	4	11°06'34	15°60'54	5*	22°81'92	3°86'43	
5238	10	20°64'18	19°24'08	11	9°20'39	7°29'22		5290	5	11°33'29	14°82'16	9†	23°12'76	3°09'62	
5239	6*	21°85'93	19°28'87	7	10°42'24	7°28'33		5291	22§	11°49'13	14°90'56	38§	23°28'23	3°18'63	71 54°6 9°5
5240	20	22°72'37	19°74'82	19	11°30'96	7°70'00		5292	4†	11°71'01	15°22'76				
5241	8	23°87'56	19°30'29	11	12°43'93	7°19'77		5293	4	11°94'90	15°55'95	5*	23°70'09	3°86'58	
5242	7	14°81'42	20°01'18	7	3°42'15	8°34'13		5294				6	14°72'32	4°37'88	
5243	9	15°54'37	19°76'75	9	4°14'00	8°06'15		5295				6	16°43'04	4°44'86	
5244	23§	16°49'15	19°85'11	26§	5°08'93	8°09'73		5296				5	16°54'27	4°10'90	
5245	10	18°29'31	20°74'67	9	6°93'05	8°90'63		5297				4	17°24'05	4°51'70	
5246	11	18°65'48	20°44'16	11	7°27'87	8°58'58		5298	5	6°48'09	16°78'55	7	18°18'14	4°80'25	
5247	6	20°71'87	20°26'83	6	9°32'90	8°31'53		5299	18	6°83'91	16°73'56	26§	18°54'03	4°77'26	
5248	32§	20°74'69	20°92'66	26§	9°39'00	8°97'03		5300	4	7°34'09	16°85'63	7	19°03'93	4°91'80	
5249	4*	22°12'54	20°11'71	4*	10°72'36	8°09'87		5301	40§	7°96'98	16°19'40	49§	19°69'94	4°28'78	71 54°2 8°7
5250				6	13°89'74	8°70'66		5302	4	8°03'85	16°39'59	6	19°75'82	4°49'54	
5251	25§	14°92'88	21°37'11	23§	3°60'10	9°69'06		5303	4	9°91'27	16°50'72	7	21°62'38	4°70'46	
5252	10	19°83'00	20°99'03	11	8°47'71	9°07'65		5304	17	12°83'57	15°80'51	24	24°57'73	4°15'60	
5253	17*	19°94'79	21°03'61	16	8°59'80	9°11'90		5305	4*	2°48'00	18°11'80	9	14°11'29	5°92'58	
5254				7	13°49'08	9°04'23		5306	3	3°97'63	17°59'41	7	15°63'45	5°47'99	
5255	18	14°46'43	21°78'37	18	3°15'82	10°12'63		5307	3†	4°35'24	17°61'59	5	16°01'15	5°52'02	
5256	12	16°23'68	22°34'66	12	4°95'68	10°60'37		5308	4†	6°20'04	17°19'69	6	17°88'17	5°19'94	
5257	25§	17°68'77	22°58'99	21§	6°41'66	10°77'68		5309	24§	8°91'55	17°75'63	37§	20°56'20	5°89'82	
5258	7	18°20'17	22°15'35	8	6°90'57	10°31'77		5310	5	11°83'05	17°18'81	7	23°49'99	5°48'47	
5259	25	24°10'60	23°08'04	20§	12°84'88	10°95'86		5311	27	3°64'26	18°46'56	28§	15°25'98	6°33'43	
5260	9*	15°93'44	23°03'41	9	4°68'40	11°30'45		5312	16	5°48'25	18°11'61	21§	17°11'22	6°07'91	
5261	46§	16°73'56	23°13'69	45§	5°49'09	11°36'77	71 53°6 9°0	5313	15	6°34'92	18°66'44	20§	17°95'03	6°67'10	
5262	10	19°13'80	23°05'23	8	7°88'38	11°16'97		5314	14	7°43'09	18°16'36	19	19°06'00	6°22'69	
5263	8	20°11'23	22°99'06	10	8°85'25	11°06'33		5315	4	7°79'10	18°88'85	8	19°38'00	6°97'38	
5264				4	12°63'89	11°08'65		5316	16	9°60'28	17°84'07	23	21°24'41	6°01'78	
5265				8	12°85'10	11°72'78		5317	4	11°67'05	18°06'50	6†	23°29'58	6°34'89	
5266				8	13°61'41	11°07'20		5318	4*	12°91'08	18°06'95	5*	24°54'25	6°40'75	
5267				5	13°71'17	11°56'41		5319	4	13°01'28	17°97'55	6*	24°64'94	6°32'73	
5268	16	25°12'78	23°85'41	18§	13°90'38	11°68'54		5320				4	15°02'20	7°64'91	
5269	5	17°05'40	24°35'52	6	5°86'21	12°57'17		5321	3*	4°71'13	19°33'03	6	16°27'93	7°25'26	
5270	6	17°45'56	24°56'19	8	6°27'84	12°75'77		5322				4	15°13'08	8°27'31	
5271				4	10°40'69	12°45'74		5323				5	18°79'58	8°32'23	
5272	18	23°24'61	24°15'21	17§	12°04'13	12°07'43		5324	4*	7°39'86	20°17'99	8	18°91'98	8°24'00	
5273	6*	14°01'69	25°37'82	11	2°87'95	13°73'75		5325	4*	9°27'03	20°02'58	4	20°79'72	8°18'58	
5274	19	16°59'93	25°50'37	18§	5°46'55	13°73'98		5326	4	10°16'84	20°47'44	6	21°66'99	8°67'88	
5275	4†	17°37'52	25°68'63	6	6°24'08	13°88'58		5327	4†	10°20'76	20°10'69	7	21°72'87	8°31'60	
5276	25	17°91'98	25°30'72	19§	6°77'72	13°48'40		5328	3*	10°62'78	20°52'53	4	22°12'81	8°75'38	
5277	10†	21°57'01	25°54'11	11	10°42'93	13°53'70		5329	4	13°61'11	20°27'90				
5278				6	13°18'12	13°53'29		5330				5	14°34'68	9°40'72	
	44§	18°44'62	25°92'28				72 49°0 9°0	5331				5	15°04'43	9°47'34	
	71§	18°11'91	26°08'81				72 48°9 8°5	5332	2†	6°06'94	21°39'86	6	17°52'85	9°39'40	
R.A. 10 <sup>h</sup> 24 <sup>m</sup> to 10 <sup>h</sup> 36 <sup>m</sup>								R.A. 10 <sup>h</sup> 24 <sup>m</sup> to 10 <sup>h</sup> 36 <sup>m</sup>							
Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 4376. 1899, March 14.				Centre R.A. 10 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3890. 1898, March 2.											
5279	4	4°60'22	14°12'85	6	16°44'01	2°05'43	° m.	5333	21§	8°69'13	21°33'15	26§	20°15'12	9°45'85	71 54°3 9°5
5280	19	5°04'97	15°00'38	21	16°84'39	2°94'98		5334	4*	9°37'96	21°44'78	5	20°82'89	9°61'42	
5281	5	13°94'29	14°34'62					5335	38§	11°11'00	21°69'73	45§	22°54'73	9°95'10	71 54°5 9°0
5282	15	13°96'90	14°33'80	24	25°78'21	2°74'91		5336	7	12°40'03	20°85'55	11	23°87'94	9°17'62	
								5337	4	13°47'03	20°90'74	5*	24°94'51	9°28'66	
								5338				4	14°33'84	10°86'69	
								5339	10	4°60'93	23°05'35	11	15°98'28	10°96'28	
								5340				4	17°53'90	10°79'97	
								5341	6*	6°84'13	22°09'23	10	18°26'54	10°11'94	
								5342	4*	6°87'59	22°08'59	6	18°29'34	10°11'68	



## ZONE + 71°.

R.A. 10 <sup>h</sup> 24 <sup>m</sup> to 10 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 10 <sup>h</sup> 36 <sup>m</sup> to 10 <sup>h</sup> 48 <sup>m</sup> —contd.								
Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 24 <sup>m</sup> Dec. +72°				Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				
Plate 4376. 1899, March 14.				Plate 3890. 1898, March 2.				Plate 4376. 1899, March 14.				Plate 4797. 1900, Jan. 24.				
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	
5343	7	8.8601	22.6469	11	20.2503	10.7821	°	5397	6	15.8608	21.9360	6	4.6356	10.1037	°	
5344				4	20.5788	10.3170		5398	19	18.1916	22.2275	16	6.9778	10.2831		
5345	20s	9.6539	22.8166	25s	21.0345	10.9943		5399	5	21.6168	22.2811	4	10.4000	10.1745		
5346	3*	9.7221	22.0653	5	21.1428	10.2458		5400	19	25.0255	23.2488	15	13.8503	10.9787		
5347	21	3.8998	23.6135	22	15.2495	11.4859		5401	9	15.1629	22.9363	8	3.9848	11.1369		
5348				7	16.4196	11.5707		5402	19	15.2886	23.2948	16	4.1254	11.4877		
5349				4	18.4202	11.4262		5403	4*	15.7112	23.4000	3*	4.5584	11.5741		
5350	12	6.0065	24.6187	18s	17.2981	12.6019		5404	7*	22.4733	24.0308	7†	11.3352	11.8779		
5351	11	7.6753	24.2076	13	18.9870	12.2777		5405	17	16.0430	24.6748	18	4.9476	12.8301		
5352				5	19.8469	12.0641		5406	12	17.5600	24.3655	12	6.4476	12.4507		
5353				5	20.0443	12.3363		5407				3†	9.7207	12.6886		
5354	8	12.1612	23.7081	10	23.4906	12.0133		5408	13	16.2416	25.7697	15	5.1983	13.9147		
5355				5	14.5145	13.7034		5409				4	9.4967	13.8982		
5356				4	16.2971	13.0521		5410	3*	21.8454	25.4556	8	10.7807	13.3359		
5357	5*	5.3306	25.2259	8	16.5903	13.1690		5411				4	11.6216	13.1272		
5358				5	17.8507	13.6452		5412	24	24.4990	25.2917	20s	13.4202	13.0443		
5359				4	19.1977	13.6361						78s	21.4804	1.2922	71 557 7.9	
5360	8	9.3918	25.2309	15	20.6434	13.3898						75s	23.7363	1.2352	71 558 8.6	
5361	4*	10.1908	25.1539	8	21.4490	13.3531		R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup>								
5362	5*	10.4613	25.4038	10	21.7072	13.6168		Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. +72°					
5363				4	22.2121	13.7961		Plate 1975. 1894, April 10.			Plate 4797. 1900, Jan. 24.					
5364				4	22.5934	13.2475		5413	9	3.3821	14.1013	6†	15.1695	1.8322		
5365				4	24.4872	13.0766		5414	3	10.1612	14.3748					
R.A. 10 <sup>h</sup> 36 <sup>m</sup> to 10 <sup>h</sup> 48 <sup>m</sup>								5415	5	12.5887	14.2642					
Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				Centre R.A. 10 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				
Plate 4376. 1899, March 14.				Plate 4797. 1900, Jan. 24.				Plate 4376. 1899, March 14.				Plate 4797. 1900, Jan. 24.				
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	
5366	21s	19.3112	14.7415	24s	7.7400	2.7515	71° 549	5416	5	4.2558	15.6354	5*	15.9670	3.4091		
5367	21s	20.3502	14.0953	25	8.7466	2.0563		5417	41s	6.4323	15.7501	41s	18.1348	3.6356	71 554 9.1	
5368	5	21.5099	14.4659	4*	9.9209	2.3718		5418	5	12.7588	15.4723					
5369	7	21.6990	14.6073	5*	10.1171	2.5054		5419	5	8.3036	16.0308	3*	19.9880	4.0098		
5370	3*	21.7900	14.7025	3*	10.2114	2.5945		5420	6	8.4387	16.2283	5†	20.1115	4.2179		
5371	4	22.2745	14.4502	4*	10.6856	2.3181		5421	5	10.6991	16.5394	4*	22.3557	4.6390		
5372	8	22.6036	14.4123	9	11.0135	2.2678		5422	9	12.1392	16.0792	6†	23.8199	4.2538		
5373	6	15.3833	15.4010	5*	3.8502	3.5969		5423	4	13.6469	16.6375					
5374	7	18.4198	15.0255	6†	6.8611	3.0785		5424	5*	7.8741	17.1093	4*	19.5035	5.0673		
5375	41s	24.9058	16.0563	47s	13.3899	3.7978	71 552	5425	17	8.4625	17.3718	16	20.0787	5.3585		
5376	7	15.8243	16.1010	6*	4.3209	4.2760		5426	17	10.5494	17.8711	17	22.1378	5.9635		
5377	7	16.1543	15.9883	8*	4.6427	4.1477		5427	10	9.7237	18.3579	14	21.2857	6.4077		
5378	13	18.8654	16.0073	12	7.3527	4.0378		5428				4	14.2375	8.4243		
5379	11	19.6984	16.5586	12	8.2103	4.5488		5429	21	3.8924	20.1409	17	15.3735	7.8912		
5380	21s	23.2208	16.4160	21s	11.7230	4.2402		5430	7	8.6038	20.5680	7	20.0538	8.5568		
5381	4*	23.5673	17.0439	4	12.0986	4.8459		5431	3	8.6840	20.5384	4†	20.1352	8.5318		
5382	20s	16.1015	17.3764	28	4.6576	5.5377		5432	4	9.3937	20.1995	5	20.8642	8.2322		
5383	6	18.0800	17.8763	4†	6.6583	5.9416		5433	9	5.7358	21.7064	8	17.1331	9.5483		
5384	4	20.7359	17.3341	4*	9.2823	5.2751		5434	20s	7.1277	21.3266	19s	18.5425	9.2398	71 555 9.5	
5385	7	20.8296	17.0683	7	9.3649	5.0045		5435	5	8.5833	21.9039	5	19.9655	9.8910		
5386	6	22.2880	17.3455	5	10.8330	5.2114		5436	9	11.3739	21.0250	8	22.8000	9.1561		
5387	21s	14.4785	18.1622	29	3.0729	6.3971	71 547	5437	20	4.3964	22.1010	15	15.7757	9.8730		
5388	3	14.5814	18.0153	3*	3.1764	6.2502		5438	27	4.4388	22.5618	22s	15.7978	10.3365	71 553 9.5	
5389	15	19.8500	18.3864	15	8.4500	6.3671		5439	9	6.2628	22.7751	6	17.6048	10.6414		
5390	5	23.8513	18.8397	6	12.4694	6.6296		5440	3*	6.9355	22.3408	3*	18.3010	10.2457		
5391	6	17.7796	19.5465	7	6.4370	7.6249		5441	19	7.2200	22.5754	19	18.5723	10.4908	71 556 9.5	
5392	6	20.4819	19.0688	5	9.1144	7.0178		5442	7	12.2909	22.6066	7	23.6328	10.7833		
5393	12	21.8588	19.5025	13	10.5089	7.3850		5443	40s	4.0218	23.5335	29s	15.3280	11.2840	72 507 9.1	
5394	4	17.5392	20.3369	4*	6.2316	8.4259		5444	6*	4.0338	23.5447	6	15.3416	11.2940		
5395	8	18.2528	21.7246	8	7.0125	9.7780		5445	6*	8.8560	23.1969	5	20.1726	11.1944		
5396	4*	20.6638	21.1196	4*	9.3913	9.0587		5446	11	9.0542	23.7588	9	20.3406	11.7676		
								5447	5	12.8842	23.1751	7	24.1975	11.3814		
								5448	5	13.7499	23.7872	7*	25.0310	12.0368		

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71° and 64".7 at Dec. + 72°.

## ZONE + 71°.

R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 10 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				
Plate 1975. 1894, April 10.				Plate 4797. 1900, Jan. 24.				Plate 1975. 1894, April 10.				Plate 3980. 1898, April 23.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	No.	Diam.	x.	y.	No.	Diam.	x.	Mag.	
R.A. 10 <sup>h</sup> 48 <sup>m</sup> to 11 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°								Centre R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°								
Plate 1975. 1894, April 10.								Plate 3980. 1898, April 23.								
5449	4*	3.3393	24.5833	6	14.5935	12.2965	°	5502	16	20.4149	22.3387	20§	9.1801	10.3368	°	
5450	8*	4.0263	24.5948	7	15.2785	12.3433	m.	5503				4	9.5810	10.7012		
5451				4	14.8908	13.5663		5504				4	13.3330	10.6700		
5452	10	12.8475	25.0530	9	24.0650	13.2495		5505	4	17.4364	23.5255	12	6.2656	11.6678		
5453	6	13.0462	25.5599	9	24.2385	13.7709		5506				6	6.9800	11.4330		
R.A. 11 <sup>h</sup> 0 <sup>m</sup> to 11 <sup>h</sup> 12 <sup>m</sup>								R.A. 11 <sup>h</sup> 12 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>								
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°								Centre R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°								
Plate 1975. 1894, April 10.								Plate 3980. 1898, April 23.								
5454	19	21.6660	13.9780	27	10.0125	1.9215	°	5512				3	9.5172	12.4071	°	
5455				5	6.8494	2.6814	m.	5513				4	9.6586	12.3958		
5456	7	18.4972	14.5752	12	6.8771	2.6764		5514				4	11.2709	12.5262		
5457	8	20.6099	14.1634	13	8.9655	2.1611		5515	56§	22.9337	24.6662	52§	11.8131	12.5320	72 527 8.8	
5458	21§	19.1107	15.6986	29§	7.5467	3.7689		5516				5	12.0601	12.1501		
5459	17	19.4895	15.6499	26	7.9217	3.7015		5517	5*	23.5207	24.6240	19§	12.3966	12.4600		
5460				4	10.5833	3.2640		5518				6	5.7403	13.6157		
5461	(6*)	15.9006	16.5053	15	4.3800	4.7352		5519				6	5.8536	13.0208		
5462				5†	5.2899	4.8803		5520	19	17.3660	25.4536	31§	6.2915	13.6005		
5463	4	17.6946	16.7236	9	6.1848	4.8633		5521				4	6.9105	13.0373		
5464	5	20.3522	16.4401	12	8.8217	4.4489		5522				5	7.9367	13.0160		
5465				6	9.0900	4.9005		5523				8	8.5147	13.7622		
5466	46§	24.6440	17.1170	52§	13.1416	4.9082	71 566	9.1	5524			6	8.6117	13.3537		
5467				5	13.7166	4.5547		5525	37	21.2050	25.7530	37§	10.1406	13.7028	72 525 9.5	
5468	7	14.1133	16.9801	12	2.6196	5.3024		5526	6	22.3509	25.1135	20§	11.2521	13.0075		
5469	20§	14.3460	17.4531	35§	2.8757	5.7602		5527				6	12.2250	13.1412		
5470	13	16.9203	16.8294	21	5.4171	5.0100		5528				9	12.9332	13.8279		
5471				3†	8.2490	5.3296		5529				12	13.9141	13.0138		
5472	33§	20.2800	17.6683	44§	8.8127	5.6779	71 562	9.0	R.A. 11 <sup>h</sup> 12 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>							
5473				4	9.3508	5.3670		Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71°								
5474	5*	24.7573	17.2925	15	13.2631	5.0753		Centre R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°								
5475	6	16.4520	18.4453	11	5.0285	6.6446		Plate 4412. 1899, April 17.								
5476				5	5.4199	6.4751		Plate 3980. 1898, April 23.								
5477	4*	18.6069	18.6479	8	7.1863	6.7368		5530	5	6.2352	15.1110	11	18.0158	3.0280	°	
5478	37§	23.4433	18.4401	42§	12.0108	6.2896	71 565	9.4	5531	6	9.8656	15.0993	16	21.6420	3.1966	m.
5479	9	14.4416	19.1131	17	3.0528	7.4152		5532	16§	4.5601	16.6846	32§	16.2622	4.5148		
5480	25§	17.0965	19.7357	37§	5.7379	7.9019	71 561	9.5	5533	5	7.0832	16.8195	14	18.7796	4.7796	
5481	9	18.7534	19.3169	18	7.3709	7.4009		5534				5	19.2908	4.4677		
5482	6	19.1041	19.8358	15	7.7471	7.9002		5535				11	17.9200	5.8713		
5483				9	10.6620	7.8721		5536	11	9.1683	17.2034	24	20.8415	5.2637		
5484				6	11.3966	7.5218		5537	16§	9.9913	17.7772	39§	21.6362	5.8783		
5485	31§	24.6032	19.7885	36§	13.2326	7.5807	71 567	9.3	5538			5	21.9770	5.9191		
5486	25	24.9380	19.3564	29§	13.5491	7.1305		5539	5	3.0827	18.4423	16	14.7002	6.1967		
5487	11	17.1023	20.5737	18	5.7844	8.7389		5540	14	3.4063	18.4235	24§	15.0245	6.1949		
5488				4	6.5227	8.3385		5541				11	15.2905	6.5519		
5489	20	20.2747	20.3428	27§	8.9399	8.3480		5542				8	18.0770	6.3153		
5490	35§	20.4247	20.5208	48§	9.1021	8.5197	71 563	9.3	5543	5	10.1456	17.9458	14	21.7811	6.0538	
5491	8	21.4711	20.6666	15§	10.1504	8.6127		5544	9	10.5975	18.4959	15	22.2047	6.6241		
5492	6*	22.5653	20.7931	12	11.2504	8.6817		5545	2*	11.2321	18.6942	6	22.8266	6.8601		
5493	10	23.3191	20.8235	17§	12.0033	8.6749		5546				6	14.8787	7.0810		
5494	8	14.0368	21.4287	16	2.7671	9.7456		5547	42§	4.1760	20.1230	62§	15.7098	7.9313	71 568 7.5	
5495	13	14.6383	21.4996	24	3.3708	9.7878		5548	22§	5.9440	19.5531	37§	17.5027	7.4505	71 571 9.2	
5496				6	9.7617	9.0966		5549				4	17.8867	7.7753		
5497				6	10.2802	9.4895		5550	3*	9.0392	19.6446	8	20.5911	7.6953		
5498	14	21.9593	21.7255	23§	10.6907	9.6453		5551	5	9.6858	19.8976	16	21.2243	7.9825		
5499				10	12.9112	9.7208		5552	9	10.3334	19.6124	19	21.8866	7.7280		
5500				8	4.0105	10.6859		5553	23§	13.8466	19.2807	52§	25.4113	7.5710	71 574 9.1	
5501	5	19.3060	22.6130	13	8.0878	10.6643		R.A. 11 <sup>h</sup> 12 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup>								
Centre R.A. 11 <sup>h</sup> 0 <sup>m</sup> Dec. +71°								Centre R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°								
Plate 1975. 1894, April 10.								Plate 3980. 1898, April 23.								

No. 5461. Plate 1957. The 6<sup>m</sup> image coincides with a fault in the plate. The diameter measured is that of the 3<sup>m</sup> image.

No. 5525. B. D. 72° 525. The declination given in the B. D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71° and 64.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 11 <sup>h</sup> 12 <sup>m</sup> to 11 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 11 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 11 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			
Plate 4412. 1899, April 17.				Plate 3980. 1898, April 23.				Plate 4412. 1899, April 17.				Plate 3925. 1898, March 31.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.

## ZONE + 71°.

R.A. 11 <sup>h</sup> 24 <sup>m</sup> to 11 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 11 <sup>h</sup> 36 <sup>m</sup> to 11 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 11 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 4412. 1899, April 17.				Centre R.A. 11 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3925. 1898, March 31.				Centre R.A. 11 <sup>h</sup> 36 <sup>m</sup> to 11 <sup>h</sup> 48 <sup>m</sup> —contd.				Centre R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 2579. 1895, May 1.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.
							No. Mag.								No. Mag.
5665				6	8.9818	13.0841	° m.	5718	13	9.1511	23.2168	19	20.3398	11.3969	° m.
5666	7	20.5451	25.7519	13§	9.3524	13.7735		5719	20	9.2388	23.2325	25§	20.4283	11.4162	72 546 9.4
5667	6*	20.8767	25.7716	15§	9.6876	13.7798		5720	23	10.5267	23.0970	31§	21.7199	11.3427	72 547 9.3
5668				3	10.0751	13.3395		5721	4	12.8212	23.3182	6*	24.0023	11.6756	
								5722	7	13.1512	23.4983	11	24.3207	11.8700	
								5723	3*	13.1767	23.2216	5	24.3621	11.5965	
								5724	17	3.4375	24.2832	23§	14.5806	12.1838	
								5725	16	3.5478	24.8880	19§	14.6616	12.7908	
								5726	9	5.7679	24.5549	17§	16.8928	12.5708	
								5727	4†	6.2675	24.4861	10	17.3989	12.5245	
								5728				4	17.5336	12.6140	
								5729	3*	6.8398	24.5534	4	17.9598	12.6232	
								5730				6	21.2161	12.5358	
								5731	4	10.3246	24.1789	8	21.4682	12.4147	
								5732	40§	3.7662	25.2842	44§	14.8614	13.1973	72 542 9.2
								5733				4	15.4422	13.5570	
								5734				5	16.3472	13.6680	
								5735				7	17.0813	13.0013	
								5736				7	17.3677	13.1716	
								5737				5	18.3791	13.0210	
								5738	6	8.9525	24.8952	11	20.0550	13.0643	
								5739	18	9.0480	25.6434	25§	20.1190	13.8136	
								5740				6	20.9588	13.2186	
								5741	7	12.4940	25.4227	14	23.5727	13.7615	
								R.A. 11 <sup>h</sup> 48 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 2579. 1895, May 1.				Centre R.A. 11 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 3925. 1898, March 31.				Centre R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 2579. 1895, May 1.				Centre R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3046. 1896, March 27.			
5669	3*	2.7082	15.1162	5†	14.2952	2.9902	° m.	5742	11	24.1230	13.9693	21§	12.3536	1.8825	71° 600 9.5
5670	8	6.3320	14.6121	15	17.9412	2.6630		5743	7	14.0363	14.4184	15	2.3075	2.8481	
5671	14	11.8004	14.3708	30	23.4181	2.6876		5744	8	14.6518	14.3664	17	2.9152	2.7613	
5672	7	12.2996	14.1230	8*	23.9277	2.4687		5745	6	19.7844	14.8564	6	8.0698	2.9931	
5673	10	12.4818	14.5577	22	24.0890	2.9071		5746				6	12.6543	2.7623	
5674	7	2.7058	15.9011	13	14.2582	3.7757		5747				4	13.0673	2.5596	
5675	12	4.3041	16.0275	18§	15.8494	3.9786		5748				6	4.6934	3.8707	
5676				4	15.8750	3.1833		5749	6	16.7471	15.3299	12	5.0587	3.6196	
5677	7	5.5161	15.0295	16	17.1088	3.0408		5750				4	11.2892	3.6747	
5678	5	8.9122	14.9163	9	20.5038	3.0953		5751				6	11.3346	3.5880	
5679	9	9.1102	15.5954	23	20.6696	3.7814		5752	3*	23.1849	15.5631	5	11.4988	3.5234	
5680	5	10.2178	14.9668	8	21.8064	3.2068		5753				5	12.7746	3.0844	
5681	4	11.9303	15.6371	7*	23.4828	3.9584		5754	4	14.4636	15.7259	6*	2.7992	4.1290	
5682	4	13.3253	14.0527	5*	24.9223	3.0459		5755	31§	20.7000	16.5802	45§	9.0690	4.6664	71 595 8.0
5683				5	14.6200	4.6799		5756	38§	20.7556	16.4843	60§	9.1205	4.5669	71 596 8.0
5684	13	3.3621	16.6975	25§	14.8731	4.6021		5757	13	23.2998	16.1932	20	11.6487	4.1480	
5685	7	3.6619	16.7954	14	15.1705	4.7148		5758				5	13.2429	4.4907	
5686	4†	5.6545	16.2321	5	17.1897	4.2504		5759				4	5.4230	5.7672	
5687	8	7.0923	16.3443	15	18.6167	4.4310		5760	17	21.3845	17.7935	22§	9.8168	5.8413	
5688	3	8.2953	16.2768	9	19.8202	4.4197		5761	5*	25.3751	17.5831	11	13.7921	5.4266	
5689	12	11.9170	16.1854	28	23.4446	4.5058		5762	4	15.8009	18.2221	4†	4.2638	6.5545	
5690	19§	12.6873	16.1811	45§	24.2183	4.5377	71 589 9.5	5763	20§	18.3552	18.4089	29§	6.8231	6.6111	71 593 9.4
5691	7	4.4739	17.5880	12	15.9430	5.5464		5764				5	9.7711	6.6322	
5692	6	10.4660	16.7740	9	21.9680	5.0253		5765	14	22.1339	18.8951	16*§	10.6224	6.9079	71 599 7.2
5693	6	9.8244	18.6299	8	21.2369	6.8455		5766	38§	22.1463	18.9047	64§	10.6342	6.9170	
5694	5	11.8587	18.4007	8	23.2798	6.7173		5767	5	15.2577	18.7674	7	3.7497	7.1307	
5695	9	6.5630	19.0504	18	17.9585	7.1093		5768	13	16.5973	19.3249	19§	5.1144	7.6182	
5696				4	19.6572	7.5946		5769	6*	19.9881	18.9961	7	8.4830	7.1153	
5697	16	8.8099	18.8916	25§	20.2078	7.0586		5770	4	19.9768	19.2601	4	8.4839	7.3815	
5698	6	10.8495	18.8191	15	22.2512	7.0850									
5699	12	10.9009	18.7785	22	22.3037	7.0487									
5700	5	11.3226	19.0995	12	22.7115	7.3853									
5701	4	3.1716	20.4767	8	14.5023	8.3660									
5702				6	14.8322	8.7248									
5703	10	6.3396	20.9159	17	17.6446	8.9574									
5704	7	6.9016	20.4439	14	18.2275	8.5152									
5705	6	7.9715	19.8970	13	19.3228	8.0225									
5706	4	12.2005	20.2967	6	23.5298	8.6269									
5707	4	12.5351	20.4196	7	23.8575	8.7680									
5708	12	9.9338	21.7283	22§	21.1950	9.9464									
5709				6	14.5707	10.7844									
5710	6	4.7970	22.0830	12	16.0470	10.0493									
5711				4	16.2131	10.3473									
5712	4*	5.2664	22.8538	6	16.4739	10.8456									
5713	7	5.7899	22.1758	12	17.0367	10.1905									
5714	7	8.1965	22.3149	11	19.4303	10.4461									
5715	28§	11.7735	21.8771	43§	23.0248	10.1876	71 588 8.0								
5716	18	13.8680	21.9440	35§	25.1153	10.3514	71 590 9.5								
5717	13	7.0452	23.8681	20§	18.2051	11.9440									

No. 5765. Plate 3046. The 6<sup>m</sup> image coalesces with that of No. 5766, and is not measurable.

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. +71° and 64<sup>s</sup>.7 at Dec. +72°.



## ZONE + 71°.

R.A. 11 <sup>h</sup> 48 <sup>m</sup> to 12 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 12 <sup>h</sup> 0 <sup>m</sup> to 12 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 11 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2579. 1895, May 1.				R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 3046. 1896, March 27.				Centre R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 4377. 1899, March 14.				R.A. 12 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 3046. 1896, March 27.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
5771	5*	21°9236	19°5601	7	10°4445	7°5772		5824	4	10°3877	14°2752	9*	22°1516	2°4592	
5772	5	14°0823	20°0916	8	2°6432	8°5123		5825	6	13°9183	14°2353	12	25°6796	2°6027	
5773	3*	15°3311	20°3361	5†	3°8999	8°6528		5826	9	3°0048	15°0193	14	14°7440	2°8254	
5774	3*	15°7539	20°4908	5	4°3355	8°8272		5827	20§	6°6477	15°4224	30§	18°3573	3°4137	71 605 9°5
5775	18§	17°0250	20°6195	25§	5°6079	8°8914		5828	9	7°9330	15°2916	18	19°6498	3°3479	
5776	4*	17°3373	20°0291	6	5°8905	8°2782		5829	4*	11°4963	16°7757	8	23°1301	4°9993	
5777	3	17°4705	19°9220	5	6°0185	8°1686		5830	33§	11°9240	16°6802	54§	23°5638	4°9425	71 608 9°1
5778	5	17°4599	20°2076	8	6°0215	8°4521		5831	23§	12°1444	16°0073	40§	23°8161	4°2833	71 609 9°4
5779	10	17°7275	20°3915	19§	6°2997	8°6244		5832	10	13°8665	16°6092	12	25°5060	4°9673	
5780	16	20°3722	20°2760	20§	8°9305	8°3731		5833	6	5°7842	17°4210	12	17°3923	5°3656	
5781				3	11°6378	8°7622		5834	18	7°3874	17°2087	23§	19°0030	5°2371	
5782	15	23°8414	20°0990	20§	12°3847	8°0178		5835	22§	7°8415	17°9332	29§	19°4207	5°9818	
5783				5	13°3933	8°5412		5836	6	8°2959	17°4006	13	19°9008	5°4737	
5784				7	13°6918	8°7454		5837	10	8°8017	17°8763	16	20°3837	5°9740	
5785	10	18°3511	21°1367	18§	6°9610	9°3379		5838	6	13°8810	16°8937	10	25°5084	5°2543	
5786	17	21°2394	21°1266	23§	9°8444	9°1806	71 597 9°5	5839				7	15°4495	6°7960	
5787	12	22°5040	21°8192	18§	11°1398	9°8057		5840	4	9°1273	18°4083	7	20°6771	6°5230	
5788				5	4°3860	10°5098		5841	24§	9°8028	17°9725	35§	21°3776	6°1225	71 606 9°1
5789	5	16°8416	22°7184	9	5°5341	10°9957		5842	5	11°3089	18°5243	8	22°8550	6°7499	
5790	21§	17°5282	22°2986	26§	6°1975	10°5411	71 592 9°5	5843	10	4°7076	19°9048	18§	15°1912	7°7416	
5791	4	18°9780	22°6500	6	7°6629	10°8133		5844	4*	7°5388	19°3242	7	19°0463	7°3558	
5792				7	7°7293	10°3919		5845	7	8°7837	19°7568	15	20°2700	7°8555	
5793				5	9°6854	10°7645		5846	33§	10°5079	19°1664	44§	22°0180	7°3526	71 607 8°5
5794				4	10°1607	10°4967		5847	6	10°9800	19°1056	11	22°4963	7°3151	
5795	4*	21°6848	22°7880	10	10°3695	10°8165		5848	4*	11°3023	19°5667	5*	22°7960	7°7932	
5796	14	24°0648	22°6779	21§	12°7443	10°5852		5849	5	12°7114	18°9943	7	24°2318	7°2944	
5797	49§	24°5198	22°5516	44§	13°1945	10°4361	71 601 8°6	5850				4	18°4010	8°6297	
5798	8	14°0340	23°1666	16	2°7540	11°5879		5851	6	13°0345	20°3511	12	24°4861	8°6638	
5799	6*	19°9156	23°0326	11	8°6215	11°1523		5852	4†	13°1220	19°9965	8	24°5924	8°3133	
5800	20§	22°2960	23°1077	24§	11°0008	11°1008	72 556 9°3	5853				4	16°3020	9°4735	
5801				6	12°4620	11°7261		5854	13	6°6731	21°4621	16	18°0745	9°4465	
5802				6	12°9850	11°9253		5855	6	6°9850	21°1183	10	18°4034	9°1183	
5803				7	13°0625	11°3470		5856	6	10°3918	21°2316	14	21°8010	9°4068	
5804	3*	16°6333	23°8008	4	5°3842	12°0885		5857	6	10°8048	20°9583	13	22°2277	9°1595	
5805				4	6°1654	12°8297		5858	4	12°8787	21°5392	5	24°2663	9°8438	
5806				4	7°9695	12°1647		5859	6	5°5195	22°2896	14§	16°8769	10°2186	
5807	4*	20°9861	24°2452	7	9°7462	12°3039		5860				6	19°2894	10°6465	
5808	14§	23°1778	24°0943	21§	11°9313	12°0430		5861				5	21°9340	10°5540	
5809				4	12°4370	12°8248		5862	17	11°0138	22°1323	23§	22°3737	10°3384	
5810				5	13°7296	12°5932		5863				6	24°4995	10°5225	
5811	5†	14°9328	24°8479	8	3°7371	13°2176		5864				6	14°8062	11°0913	
5812	4†	15°7749	24°8806	7	4°5783	13°2063		5865	5	6°7809	23°3655	10	18°0825	11°3571	
5813				4	5°7655	13°0062		5866	15	7°6155	23°1959	16§	18°9250	11°2273	
5814				4	6°2929	13°5381		5867				5	21°1112	11°4012	
5815	10	18°3612	24°9573	17§	7°1645	13°1519		5868	4*	3°8288	24°3147	11	15°0838	12°1493	
5816				5	7°6652	13°5092		5869				6	18°6275	12°1554	
5817				4	9°0842	13°8251		5870				4	14°5322	13°3239	
5818				4	12°8967	13°3328		5871				4	15°9353	13°8937	
								5872				8	16°6033	13°7897	
								5873				4	16°6992	13°4635	
								5874				10	17°8441	13°7192	
								5875				6	19°0847	13°9665	
								5876	27§	10°4023	25°1246	32§	21°6137	13°2954	72 559 9°5
								5877	3*	11°5803	24°8415	7	22°8006	13°0763	

1 *réseau* interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 12 <sup>h</sup> 12 <sup>m</sup> to 12 <sup>h</sup> 24 <sup>m</sup>								R.A. 12 <sup>h</sup> 24 <sup>m</sup> to 12 <sup>h</sup> 36 <sup>m</sup>							
Centre R.A. 12 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 12 <sup>h</sup> 24 <sup>m</sup> Dec. +72°				Centre R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 12 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			
Plate 4377. 1899, March 14.				Plate 4002. 1898, May 14.				Plate 4440. 1899, May 4.				Plate 4002. 1898, May 14.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.
							No. Mag.								No. Mag.
5878	7	20°29'47	14°06'22	9	8°72'99	2°14'50		5933	6	2°97'05	14°43'60	5*	14°81'57	2°25'14	
5879	14	21°8'495	14°81'44	17	10°31'93	2°81'71		5934	9	6°14'05	14°22'94	4*	17°99'20	2°20'25	
5880	21§	16°35'66	15°64'56	32§	4°87'06	3°91'52	71 612 9°5	5935	10	12°35'22	14°56'92				
5881	8	20°83'56	15°54'73	9	9°34'16	3°59'97		5936	7	8°03'93	15°78'43	7*	19°81'08	3°84'54	
5882	12	20°87'30	15°58'62	18§	9°38'03	3°63'53		5937	3†	11°95'03	15°81'93				
5883	12	21°04'46	15°52'65	13	9°54'98	3°56'89		5938	4	12°02'65	15°37'72				
5884	20	23°63'38	15°18'41	25§	12°11'96	3°09'58	71 616 9°5	5939	12	5°39'09	16°82'11	11	17°11'90	4°75'14	
5885	25§	22°00'20	16°26'79	32§	10°54'06	4°26'04	71 614 9°2	5940	9	6°24'94	16°60'58	5	17°98'33	4°57'96	
5886				4	13°69'91	4°38'10		5941	4*	2°66'04	17°57'00	4	14°35'02	5°36'52	
5887	7	14°79'28	17°27'65	9	3°38'99	5°62'41		5942	4	3°96'50	17°37'81	5†	15°66'35	5°23'84	
5888	5	22°30'38	17°50'64	10	10°90'42	5°48'47		5943	13	6°94'13	17°13'31	13	18°65'03	5°13'72	
5889				4	10°97'95	5°54'06		5944	8	9°90'23	17°55'05	7	21°58'79	5°70'22	
5890	3*	21°63'88	18°44'30	6	10°28'38	6°45'06		5945	13§	11°16'85	17°27'50	13	22°86'23	5°49'05	
5891	20§	22°00'25	18°99'15	23§	10°67'70	6°98'23	71 615 9°2	5946	6	13°56'88	17°46'76				
5892	7	22°97'33	18°26'82	9	11°60'96	6°21'10		5947	5	3°17'83	18°29'03	6	14°83'24	6°10'79	
5893				5	12°09'14	6°99'88		5948	4	4°33'47	18°38'41	4	15°98'08	6°26'19	
5894				5	12°7'197	6°90'97		5949	5	6°40'27	18°59'48	6	18°04'03	6°57'01	
5895	32§	24°60'85	18°62'29	32§	13°26'00	6°48'47	71 618 9°5	5950	4	8°29'96	18°20'20	4*	19°95'10	6°27'44	
5896	4*	15°33'52	19°10'93	6†	4°02'01	7°42'58		5951	6	9°25'63	18°00'55	6*	20°91'88	6°12'67	
5897	7	16°04'30	19°10'53	11	4°73'11	7°38'83		5952	13	9°85'01	18°30'44	12	21°49'79	6°45'35	
5898	4	18°59'55	19°49'92	5	7°29'92	7°65'54		5953	17	5°15'53	19°55'66	13	16°74'49	7°47'24	
5899	4*	19°81'31	19°61'01	6	8°51'95	7°70'74		5954	4	5°61'66	19°27'56	4	17°21'92	7°21'51	
5900	9	24°37'53	19°20'78	13	13°05'64	7°08'26		5955	38§	7°34'44	19°78'67	31§	18°92'12	7°81'03	71 621 9°5
5901	9	15°06'87	20°06'78	12	3°80'01	8°39'71		5956	29§	8°52'90	19°11'59	23§	20°13'79	7°19'81	
5902	9	16°61'96	20°49'95	15	5°37'23	8°75'13		5957	19§	10°91'55	19°42'69	19	22°50'53	7°62'65	
5903	14	18°70'89	19°83'50	19	7°42'87	8°00'45		5958	5	13°32'84	19°83'49				
5904				4	8°27'92	8°69'63		5959	16	6°08'45	20°73'53	13	17°61'55	8°69'30	
5905	4*	22°54'69	20°35'06	6	11°28'27	8°31'49		5960	8	6°58'86	20°13'64	7	18°14'77	8°12'28	
5906	4*	22°67'40	20°72'62	6	11°43'06	8°67'98		5961	16	6°81'50	20°57'03	14	18°35'49	8°56'50	
5907				9	13°71'20	8°31'29		5962	9	7°71'06	20°57'64	8	19°24'84	8°61'72	
5908	8	15°07'00	21°49'73	13	3°87'51	9°82'40		5963	38§	6°66'90	21°00'80	32§	18°18'78	8°99'60	71 619 9°5
5909	11	18°32'79	21°56'38	17	7°13'03	9°73'22		5964	4†	6°96'66	21°20'06	5	18°47'12	9°20'46	
5910	3*	19°62'31	21°15'68	7	8°40'28	9°26'28		5965	39§	11°10'28	21°57'22	35§	22°58'67	9°77'85	71 622 9°1
5911	7	19°92'53	21°12'41	9	8°70'66	9°21'37		5966	28§	11°32'48	21°26'79	29§	22°82'28	9°48'61	
5912	8	24°70'28	21°48'37	14§	13°49'45	9°33'85		5967	5	11°68'26	21°08'43	4*	23°18'87	9°32'33	
5913				5	8°07'01	10°19'60		5968	24§	13°77'95	21°25'57	29§	25°27'63	9°59'69	71 623 9°5
5914				4	8°07'56	10°19'07		5969	32§	7°27'48	22°29'71	27§	18°72'72	10°31'63	71 620 9°5
5915	19	20°31'85	22°04'32	18§	9°14'02	10°11'28		5970	21	9°13'20	22°64'46	17	20°56'40	10°75'29	
5916	8	21°19'41	22°9'69	13	10°06'23	10°99'48		5971	6	11°27'11	22°09'53	5	22°72'92	10°30'78	
5917				4	11°34'65	10°19'63		5972	11	12°34'98	22°11'21	10	23°80'40	10°38'04	
5918	20	18°57'03	23°01'08	20§	7°44'30	11°16'37	72 562 9°5	5973	10	12°82'35	22°76'65	6	24°24'48	11°05'86	
5919	32§	18°90'20	23°66'78	32§	7°80'99	11°80'48	72 563 9°0	5974	4*	5°43'11	23°41'73	5	16°83'01	11°34'46	
5920				5	7°97'38	11°91'17		5975				4	17°69'45	11°62'39	
5921	11	19°49'22	22°89'83	13	8°36'05	11°00'78		5976	41§	8°13'12	23°17'06	31§	19°53'98	11°22'77	72 574 9°4
5922	10	20°68'63	23°01'90	15	9°55'88	11°06'79		5977	4*	8°79'06	23°69'79	5	20°17'43	11°78'59	
5923	31§	24°12'41	23°82'89	22§	13°03'08	11°70'95	72 566 9°5	5978	12†	3°06'72	24°37'13	12	14°42'03	12°17'59	
5924	4	14°57'02	24°42'14	6	3°51'80	12°76'80		5979	43§	3°44'13	24°54'31	30§	14°78'80	12°36'60	72 567 9°5
5925				4	6°56'29	12°87'33		5980	8*	4°36'89	24°73'21	10	15°70'33	12°60'49	
5926	5*	18°00'73	24°23'76	7	6°94'05	12°41'84		5981	80§	5°21'70	24°35'47	68§	16°57'00	12°26'70	72 569 7°0
5927				6	3°72'26	13°92'75		5982	6*	5°51'45	24°32'27	8	16°86'94	12°25'05	
5928	7	15°57'47	25°16'82	10	4°55'77	13°46'58		5983				4	19°21'55	13°82'52	
5929	16	21°61'97	25°16'44	18	10°59'33	13°16'51		5984	23§	12°64'10	24°81'33	17	23°96'35	13°09'36	
5930				4	11°96'35	13°50'29		5985	24§	13°99'63	24°92'43	23	25°30'94	13°27'02	
5931				7	13°32'65	13°62'38									
5932				4	13°61'41	13°30'78									



## ZONE + 71°.

R.A. 12 <sup>h</sup> 36 <sup>m</sup> to 12 <sup>h</sup> 48 <sup>m</sup>								R.A. 12 <sup>h</sup> 48 <sup>m</sup> to 13 <sup>h</sup> 0 <sup>m</sup>									
Centre R.A. 12 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				R.A. 12 <sup>h</sup> 48 <sup>m</sup> + Dec. 72°				Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 12 <sup>h</sup> 48 <sup>m</sup> Dec. +72°					
Plate 4440. 1899, May 4.				Plate 2573. 1895, April 28.				Plate 1955. 1894, April 6.				Plate 2573. 1895, April 28.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D.		
5986	12	18°2370	14°8798	6*	6°5880	2°9483	o	m.	6038	5	5°6790	14°2235			o	m.	
5987	6	19°4899	14°6760						6039	10	7°9938	14°2922	8	19°7269	2°2152		
5988	4	20°0689	14°7431						6040	4	8°4572	14°7661	4*	20°1659	2°7131		
5989	12	22°3072	14°4205	4*	10°6326	2°2843			6041	30§	9°2903	14°5475	38§	21°0113	2°5326	71	637
5990	6	20°0825	15°3331						6042	23§	9°4377	14°2472	26	21°1717	2°2398		9'4
5991	12	21°8913	15°1935	7	10°2576	3°0756			6043	4†	12°3435	14°9053					
5992	4	22°4222	15°1403						6044	8	3°7899	15°7846	6	15°4567	3°4957		
5993	6	22°7806	15°1659						6045	61§	9°6789	15°6410	59§	21°3462	3°6423	71	638
5994	6	22°8482	15°2525						6046	5	9°6798	15°2137					7'2
5995	6	22°9223	15°2843						6047	4	11°4808	15°3817					
5996	8	23°0492	15°6549						6048	27§	12°1219	15°1838	32	23°7590	4°3050	71	640
5997	8	23°5113	15°8958	4*	11°9093	3°6967			6049	10	6°7154	16°8824	8	18°3215	4°7376		9'3
5998	6	14°4984	16°7907						6050	19	6°7438	16°3286	18	18°3775	4°1848		
5999	7	15°8898	16°4783						6051	10	10°9725	16°4042	9	22°5973	4°4673		
6000	4	17°3075	16°0123						6052	14	5°6061	17°3070	12	17°1926	5°1030		
6001	4	18°1514	16°9920						6053	8	7°2571	17°3391	9	18°8407	5°2203		
6002	30§	14°1113	17°9148	24	2°6274	6°1894	71	624	6054	64§	7°8191	17°6047	59§	19°3921	5°5145	71	636
6003	5	15°3089	17°8723					9'1	6055	8	6°6206	18°3536	6	18°1578	6°2018		7'8
6004	4	17°2414	17°0053						6056	6	9°5450	18°0666	4*	21°0912	6°0626		
6005	6	19°6152	17°2000						6057	5	13°2568	19°3193	4*	24°7338	7°4978		
6006	39§	21°0439	17°5245	29§	9°5284	5°4470	71	629	6058	13	3°6915	20°3856	12	15°1290	8°0867		
6007	9	22°6621	17°5548	6	11°1475	5°3958		9'2	6059	26	4°4574	20°2550	20	15°8983	7°9938	71	634
6008	5	24°0420	17°6948	4	12°5318	5°4653			6060	18	5°7226	20°3167	14	17°1608	8°1186		9'5
6009	16	24°5876	17°7258	11	13°0730	5°4708			6061	38§	10°5393	20°7852	32§	21°9470	8°8257	71	639
6010	4	15°0647	18°2348						6062	6	13°2177	20°8848	4*	24°6150	9°0576		8'8
6011	22§	17°8900	18°7110	16	6°4372	6°7915	71	626	6063	31	4°6967	23°1240	18	15°9970	11°8694	72	590
6012	4	20°5120	18°4864					9'5	6064	23	4°8376	23°2927	15	16°1315	11°0428		9'5
6013	18	22°0629	18°2650	13	10°5806	6°1345			6065	9	9°0827	23°0383	8	20°3800	11°0015		
6014	13	15°3962	19°0048	6†	3°9623	7°2108			6066	8	13°6506	23°9109	5*	24°8987	12°1022		
6015	19	16°1084	19°7079	5	4°7111	7°8803			6067	42§	5°8128	24°8306	27§	17°0268	12°6310	72	592
6016	64§	21°7583	19°9865	42§	10°3629	7°8712	71	630	6068	13	9°2536	24°2528	11	20°4918	12°2261		9'0
6017	8	15°0987	20°2244	4*	3°7254	8°4460		7'0	6069	20	12°6882	24°9543	20	23°8891	13°0976	72	597
6018	4	15°1786	20°0682						6070	15	12°9119	24°5603	13	24°1297	12°7147		9'3
6019	19§	16°4630	20°9016	15	5°1245	9°0504			6071	18	12°9129	24°5494	16	24°1307	12°7005	72	598
6020	4	18°2618	20°5465						6072	18	8°1780	25°7645	14	19°3437	13°6808		
6021	15	20°1508	20°6611	11	8°7939	8°6250			6073	22	10°3011	25°5846	19	21°4708	13°6065		
6022	13	21°3670	20°3916	9	9°9928	8°2928			R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup>								
6023	9	21°7384	20°7923	6	10°3840	8°6741			Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				
6024	4†	15°3233	21°4308						Plate 1955. 1894, April 6.				Plate 2587. 1895, May 2.				
6025	43§	24°6359	21°9670	25§	13°3363	9°7037	71	633	6074	12	22°3086	14°3616	11	10°6026	2°1992		
6026	27§	16°3334	22°3117	21	5°0640	10°4658	71	625	6075	35§	22°7368	14°7434	31§	11°0492	2°5618	71	645
6027	11	17°4600	22°8082	6	6°2154	10°9063			6076	5	19°9803	15°4108	8	8°3296	3°3643		9'3
6028	7	19°4193	22°7342	5	8°1687	10°7338			6077				6	8°6383	3°9201		
6029	12	22°5414	22°6461	9	11°2838	10°4869			6078				5	13°5060	3°6963		
6030	27§	16°5627	23°2445	17	5°3403	11°3896			6079	4†	16°2827	16°6674	6	4°7013	4°8061		
6031	6	19°5637	23°3936	4	8°3467	11°3831			6080	3*	20°9297	16°1136	5	9°3146	4°0195		
6032	16	21°3506	23°2648	10	10°1223	11°1641			6081	2*	24°4714	16°5297	6	12°8696	4°2613		
6033	27§	23°6440	23°0642	18	12°4087	10°8503	71	632	6082	14	24°6080	16°4704	12	13°0038	4°1903		
6034	7*	24°0056	23°0556	7	12°7653	10°8210		9'5	6083	14	19°3521	17°3274	16	7°7962	5°3099		
6035	9	24°4299	23°7168	7	13°2216	11°4630			6084				4	8°5228	5°8393		
6036	16	14°6804	25°0050	10	3°5491	13°2428			6085	5	20°9655	17°5719	10	9°4220	5°4721		
6037				4	5°4617	13°4919			6086	13	21°2274	17°6917	15	9°6903	5°5789		
	84§	24°2118	26°3341	35	12°2450	1°1403	72	585	6087				4	11°0964	5°7395		
							71	631	6088	7*	24°3741	17°5085	11	12°8229	5°2382		
									6089	8*	24°3892	17°4971	10	12°8439	5°2270		
									6090	12	19°9128	18°6151	12	8°4228	6°5672		
									6091				4	11°0637	6°9238		

## ZONE + 71°.

R.A. 13 <sup>h</sup> 0 <sup>m</sup> to 13 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>								R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>							
Centre R.A. 13 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				Centre R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			
Plate 1955. 1894, April 6.				Plate 2587. 1895, May 2.				Plate 2623. 1895, May 10.				Plate 2587. 1895, May 2.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.
6092	18	22°9188	18°3717	16	11°4107	6°1748	° m.	6146	18§	11°6684	17°6865	18	23°2039	5°8195	71° 650 m.
6093				4	11°7506	6°2921		6147	33§	5°2715	18°9565	28§	16°7525	6°7823	71° 647 9'5
6094	4*	23°4044	18°3129	8	11°8926	6°0898		6148	4	5°8359	18°4793				
6095	38§	14°1803	18°9540	45§	2°7131	7°1915	71 642 9'2	6149	7	9°1542	18°1158	5*	20°6722	6°1245	
6096	9	15°6267	19°1872	12	4°1689	7°3512		6150	9	12°4481	18°9588	6*	23°9214	7°1248	
6097	7†	17°1805	19°7852	9	5°7521	7°8719		6151	6	12°9334	18°7735				
6098				4	9°6643	7°1242		6152	5	13°5719	18°4693				
6099				4	11°6450	7°7843		6153	19	2°8897	19°6749	15	14°3378	7°3852	
6100	20§	14°5316	20°7241	21	3°1539	8°9406		6154	5	6°5076	19°8996				
6101				5	5°6254	8°5342		6155	13	7°1456	19°0666	8	18°6215	6°9790	
6102	12	22°2326	20°8877	15	10°8514	8°7217		6156	15	8°2070	19°9192	10	19°6361	7°8845	
6103	5	22°6565	20°2605	7	11°2420	8°0742		6157	6	10°5183	19°4811				
6104				9	12°7980	8°8833		6158	6	11°5311	19°6351				
6105	24§	14°1620	21°7528	27§	2°8346	9°9880	71 641 9'5	6159	7	11°5458	19°5488				
6106	5†	15°7469	21°7452	7	4°4163	9°0208		6160	13	12°8576	19°3193	7	24°3099	7°5049	
6107	5†	22°2790	21°6521	9	10°9363	9°4823		6161	5	13°3982	19°1432				
6108				6	3°8470	10°1078		6162	19§	7°3148	20°2801	17	18°7321	8°2020	
6109				7	13°8231	10°1529		6163	5	8°3640	20°0645				
6110				8	13°8621	10°9635		6164	13	6°5047	21°5955	8	17°8580	9°4765	
6111				7	3°3941	11°4617		6165	5	10°3537	21°1413				
6112	30§	18°2243	22°9693	27§	6°9536	11°0000	72 601 9'3	6166	4*	7°2092	22°2401	4*	18°5306	10°1563	
6113	32§	18°5760	23°1274	27§	7°3119	11°1392	72 602 9'4	6167	60§	5°2849	23°3531	53§	16°5586	11°1712	72 608 7'8
6114				7	7°8663	11°4163		6168	17	6°8102	23°0213	8	18°0948	10°9158	
6115				6	8°9369	11°8815		6169	40§	8°6422	23°3949	37§	19°9090	11°3752	72 612 8'5
6116	13	21°5366	23°7188	12	10°2957	11°5857		6170	6	5°4089	24°1348	(4*)	16°6420	11°9603	
6117				6	10°6850	11°3976		6171	16	11°2728	24°1992	11	22°4973	12°3050	
6118	3*	22°3493	23°4403	8	11°0919	11°2633		6172	17	13°1954	24°0514	11	24°4244	12°2496	
6119				6	4°1527	12°1777		6173	10	13°6317	24°9261	6	24°8191	13°1466	
6120				7	4°7461	12°1140		6174	33§	2°9397	25°3429	19§	14°1191	13°0495	
6121	7*	21°9466	24°5170	11	10°7448	12°3601		6175	7	7°2621	25°0635	5	18°4451	12°9753	
6122	40	22°1742	24°5958	25§	10°9795	12°4259	72 604 9'1	6176	21	8°6654	25°2561	13	19°8439	13°2376	
6123	60§	17°8217	25°1220	50§	6°6600	13°1698	72 600 7'0	6177	6	9°8705	25°4681	5	21°0355	13°5040	
6124				4	6°7723	13°5877		6178	11	10°4710	25°5612	7	21°6310	13°6259	
6125	14	20°3526	25°6373	15	9°2133	13°5579	72 603 9'5	6179	4	10°9215	25°3943	4*	22°0904	13°4808	
6126				8	12°7768	13°3954									
R.A. 13 <sup>h</sup> 12 <sup>m</sup> to 13 <sup>h</sup> 24 <sup>m</sup>								R.A. 13 <sup>h</sup> 24 <sup>m</sup> to 13 <sup>h</sup> 36 <sup>m</sup>							
Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 13 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				Centre R.A. 13 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			
Plate 2623. 1895, May 10.				Plate 2587. 1895, May 2.				Plate 2623. 1895, May 10.				Plate 1978. 1894, April 10.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.
6127	13	3°9057	14°6068	8	15°5972	2°3745	° m.	6180	38§	16°1426	14°4170	44§	4°3639	2°6419	71° 652 m.
6128	12	6°2131	14°1475	9	17°9248	2°0223		6181	14	16°9222	14°3821	5*	5°1417	2°5697	
6129	18	6°2507	14°8938	13	17°9245	2°7694		6182	4	16°9903	14°1506				
6130	27§	7°4380	14°2906	33§	19°1391	2°2249	71 648 9'3	6183	6	17°4003	14°7992				
6131	4	9°4412	14°8076					6184	16	21°9060	14°5090	7*	10°1235	2°4315	
6132	8	10°2328	14°7358	4*	21°9083	2°8053		6185	8	23°5971	14°4975	4*	11°8127	2°3321	
6133	4	11°7350	14°1970					6186	19§	14°9485	15°8949	17	3°2498	4°1801	
6134	4	2°8923	15°5993					6187	5	15°6205	15°9555				
6135	6	4°7131	15°0260					6188	9	17°0609	15°9728	5*	5°3611	4°1463	
6136	25§	8°3366	15°3911	22§	19°9843	3°3683	71 649 9'5	6189	4	16°0430	16°1786				
6137	5	10°6647	15°2090					6190	7	20°3345	16°8487	3*	8°6781	4°8490	
6138	9	11°1408	15°9455					6191	17	22°0410	16°0588	13	10°3408	3°9708	
6139	6	2°5524	16°8763	5	14°1341	4°5724		6192	13	15°7782	17°0816	8	4°1383	5°3225	
6140	11	4°0900	16°3578	8	15°6960	4°1309		6193	14	17°5105	17°8679	7	5°9108	6°0153	
6141	10	4°1336	16°2417	8	15°7461	4°0155		6194	11	17°7772	17°6396	6†	6°1667	5°7736	
6142	4†	4°8079	16°7400	3*	16°3910	4°5446		6195	29§	18°1419	17°0433	29	6°4989	5°1598	71 653 9'3
6143	9	6°9588	16°0138	5*	18°5759	3°9204		6196	7	21°2033	17°9435				
6144	11	12°7852	16°1758	5*	24°3903	4°3632		6197	27	21°2480	17°9878	25	9°6503	5°9396	71 657 9'5
6145	15	7°9885	17°5138	12	19°5368	5°4718		6198	17	22°3571	17°2619	11	10°7178	5°1545	

No. 6170. Plate 2587. The 6<sup>m</sup> image falls on a réseau line. The diameter given is that of the 3<sup>m</sup> image.

1 réseau represents very nearly 5' = 61<sup>s</sup>.4 of R.A. of Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 13 <sup>h</sup> 24 <sup>m</sup> to 13 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 13 <sup>h</sup> 36 <sup>m</sup> to 13 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 13 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 13 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 13 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			
Plate 2623. 1895, May 10.				Plate 1978. 1894, April 10.				Plate 1957. 1894, April 6.				Plate 1978. 1894, April 10.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.

x réseau interval represents very nearly 5' = 61.4 at Dec. +71°, and 64.7 at Dec. +72°.

## ZONE + 71°.

R.A. 13 <sup>h</sup> 48 <sup>m</sup> to 14 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 14 <sup>h</sup> 0 <sup>m</sup> to 14 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 13 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				Centre R.A. 14 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 14 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			
Plate 1957. 1894, April. 6.				Plate 4871. 1900, March 29.				Plate 1137. 1893, May 18.				Plate 4871. 1900, March 29.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
6302	5	16.7180	22.3799	12	5.4314	10.6227	°	6353	5	12.6863	18.6627				°
6303	4*	17.5717	22.4553	7	6.2911	10.6352	m.	6354	6	5.2980	19.6195	7	16.8442	7.7635	
6304				4	7.7411	10.9343		6355	19	5.3159	19.5878	17	16.8655	7.7328	
6305	9	19.0540	22.8575	15	7.7887	10.9913		6356	6	5.5341	19.7548	5	17.0725	7.9130	
6306	22	22.5841	22.9503	22§	11.3154	10.9235		6357	5*	6.3822	19.6727	3*	17.9255	7.8689	
6307	5*	16.3615	23.3528	11	5.1248	11.6069		6358	13	6.6338	19.8982	11	18.1651	8.1085	
6308				4	13.1014	11.6043		6359	43§	7.1233	19.2505	40§	18.6868	7.4868	71 677 8.7
6309				6	4.6250	12.2250		6360	31§	7.1314	19.2751	26§	18.6907	7.5121	
6310				4	7.6836	12.4510		6361	8	12.5916	19.7773	3*	24.1166	7.2844	
6311	4*	20.8240	24.6766	7	9.6406	12.7258		6362	5	13.3859	19.2890				
6312	6*	21.8216	24.5855	9	10.6312	12.5900		6363	4	3.7076	20.5573				
6313				4	10.6814	12.9585		6364	16	6.6559	20.2697	13	18.1682	8.4790	
6314				4	10.4080	13.5956		6365	20	6.9288	20.0001	18	18.4538	8.2268	
6315	23	24.4110	25.4974	27§	13.2595	13.3849	72 633 9.4	6366	6	9.1947	20.9940	4	20.6699	9.3293	
				54§	6.8208	1.4760	71 670 8.9	6367	5	11.8627	20.7360				
								6368	8	12.1538	20.1527	6	23.6648	8.6368	
								6369	21	6.3803	21.9673	18§	17.8081	10.1604	
								6370	13	6.6087	21.5120	9	18.0593	9.7165	
								6371	18	7.1654	21.9030	16	18.5943	10.1378	
								6372	7	10.6905	21.7488	4	22.1236	10.1562	
								6373	7*	2.7511	22.3012	6	14.1698	10.3170	
								6374	11	3.4192	22.4138	7	14.8286	10.4619	
								6375	5	5.4853	22.1272	4*	16.9035	10.2792	
								6376	18	8.3833	22.3504	17	19.7898	10.6468	
								6377	34§	8.3943	22.3531	29§	19.8010	10.6495	71 680 9.4
								6378	32§	9.3267	22.2458	27§	20.7389	10.5880	71 681 9.5
								6379	7	10.4097	22.9063	4*	21.7838	11.3017	
								6380	6	11.5427	22.9363	3*	22.9170	11.3849	
								6381	18	11.6408	22.3428	20	23.0428	10.7979	
								6382	19	12.0520	22.8511	14	23.4298	11.3283	
								6383	4	13.7821	22.6121				
								6384				5	16.0155	11.2264	
								6385				4	16.1993	11.6389	
								6386	5	5.2020	23.3417	3*	16.5653	11.4729	
								6387	12	5.2268	23.1212	8	16.5989	11.2553	
								6388	15	5.8253	23.6045	9	17.1708	11.7712	
								6389	27§	6.9765	23.6672	20	18.3172	11.8887	
								6390	23§	7.5254	23.8213	17	18.8595	12.0708	
								6391	14	10.2369	23.8185	7	21.5671	12.2047	
								6392	16	10.5349	23.2372	14	21.8937	11.6393	
								6393	7	11.8837	23.7946	4*	23.2117	12.2619	
								6394	13	12.9215	23.6811	10	24.2537	12.1982	
								6395	8	5.1308	24.5167	7	16.4323	12.6479	
								6396	35§	5.4479	24.4245	23§	16.7521	12.5703	
								6397	6	6.7853	24.2215	4	18.0993	12.4327	
								6398	9	7.1923	24.0723	5	18.5124	12.3049	
								6399	22§	7.3694	24.2083	17	18.6836	12.4504	
								6400	6	11.9528	24.0138	3*	23.2725	12.4804	
								6401	32§	13.8298	24.7145	32	25.1118	13.2752	72 635 9.5
								6402	47	3.0302	25.7152	21§	14.2743	13.7391	
								6403	18	5.2459	25.2113	11	16.5109	13.3461	
								6404				3	20.5543	13.0940	
								6405	6	13.5579	25.3643	3*	24.8041	13.9114	
								64§		1.5431	19.7776				71 673 8.0



No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	
							No.	Mag.
<b>R.A. 14<sup>h</sup> 12<sup>m</sup> to 14<sup>h</sup> 24<sup>m</sup></b>								
Centre R.A. 14 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. +72°				
Plate 1137. 1893, May 18.				Plate 3972. 1898, April 21.				
6406	15	14'1441	14'4345	6*	2'4565	2'7425	o	m.
6407	19§	15'3580	14'5983	13	3'6785	2'8412		
6408	5	18'1265	14'2221					
6409	7	20'0018	14'0243					
6410	5	14'9395	15'0508					
6411	14	15'0638	15'5404	5*	3'4355	3'7995		
6412	10	16'9793	15'3073	5*	5'3357	3'4660		
6413	6	18'5025	15'8162					
6414	18	23'9131	15'0719	6	12'2440	2'8664		
6415	11	25'1826	15'2480	5	13'5224	2'9751		
6416	14	25'4449	15'6076	5	13'8067	3'3198		
6417	13	14'7304	16'7672	7*	3'1665	5'0392		
6418	4	15'2133	16'5087					
6419	6	20'3641	16'5769					
6420	8	21'4648	16'5376	4*	9'8760	4'4577		
6421	18	22'1892	16'3896	11	10'5923	4'2700		
6422	17	23'1027	16'2450	7	11'4990	4'0787		
6423	7	25'5137	16'1101	4*	13'8981	3'8179		
6424	4	16'5681	17'2885					
6425	9	23'9476	17'5630	6	12'4101	5'3506		
6426	5	23'9820	17'2189	4*	12'4264	5'0052		
6427	6	14'2837	18'9135					
6428	4	15'6627	18'4123					
6429	11	15'6974	18'4570	6	4'2196	6'6751		
6430	12	17'7895	18'4175	7	6'3076	6'5284		
6431	7	18'0953	18'6328	4*	6'6185	6'7250		
6432	5	19'2864	18'5358					
6433	5	21'4445	18'4489					
6434	32§	23'3956	18'4789	19§	11'9078	6'2925		
6435	26§	15'5491	19'7007	21	4'1366	7'9270		
6436	13	23'9320	19'6388	6	12'5040	7'4254		
6437	7	15'6760	20'0063					
6438	25§	16'8646	20'3392	20§	5'4835	8'4968		
6439	7	18'5218	20'5482	3*	7'1506	8'6147		
6440	8	19'2473	20'1852	5	7'8521	8'2155		
6441	18	25'0135	20'5890	9	13'6347	3'3181		
6442	15	14'0965	21'0555	9	2'7536	9'3567		
6443	20§	14'2292	21'8713	17	2'9328	10'1663		
6444	19	17'0025	21'7793	15	5'6986	9'9251		
6445	19	18'8884	21'1621	9	7'5506	9'2097		
6446	20§	19'4949	21'1814	17	8'1587	9'1984		
6447	21	19'5206	21'0170	17	8'1707	9'0313		
6448	7	20'9407	21'2662	5	9'6025	9'2063		
6449	22§	16'8103	22'1619	18	5'5252	10'3184		
6450	6	19'6669	22'8216	4	8'4124	10'8257		
6451	24§	20'2935	22'2169	18§	9'0078	10'1897		
6452	23§	22'0868	22'1708	16	10'7948	10'0480		
6453			</					

1 réseau interval represents very nearly  $5' = 61^{\circ}4$  at Dec.  $+ 71^{\circ}$ , and  $64^{\circ}7$  at Dec.  $+ 72^{\circ}$ .

## ZONE + 71°.

R.A. 14 <sup>h</sup> 24 <sup>m</sup> to 14 <sup>h</sup> 36 <sup>m</sup> — <i>contd.</i>							B. D.		R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>							B. D.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3972. 1898, April 21.		Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1024. 1893, April 21.			
6516	9	10'3344	20'9993	5*	21'7538	9'0502	°	m.	6569	8	21'6856	17'6586	5*	10'2093	5'7503	°	m.		
6517	17§	12'1067	20'7914	19	23'5343	8'9283			6570	13	15'3831	18'5348	13	3'9611	6'9482				
6518	19§	2'6368	21'8541	18	14'0213	9'5342			6571	5	16'9853	18'7998							
6519	5*	4'3383	21'1307	3*	15'7579	8'8947			6572	6	17'8365	18'6528	4*	6'4133	6'9412				
6520	17	6'1127	21'1016	11	17'5320	8'9503			6573	5	21'7986	18'2121							
6521	5	7'2527	21'5567	4	18'6478	9'4599			6574	16	21'8271	18'7099	14	10'4040	6'7929				
6522	5	9'7183	21'0638	5*	21'1383	9'0843			6575	36§	22'3860	18'2033	43§	10'9372	6'2583	71	698	9'2	
6523	17§	12'1422	21'0390	10	23'5583	9'1766			6576	5	23'3014	18'7172	4*	11'8808	6'7247				
6524	12	12'6672	21'6282	8†	24'0549	9'7909			6577	5†	14'8783	19'3028							
6525	6	12'6870	21'0523	4*	24'0997	9'2201			6578	11	15'1623	19'4154	9	3'7852	7'8387				
6526	4	13'7764	21'1421						6579	28§	15'8241	19'3306	40§	4'4438	7'7239	71	691	9'3	
6527	7	4'7610	22'7138	5*	16'1028	10'4912			6580	7	15'8247	19'1260							
6528	39§	4'8885	22'7071	31§	16'2318	10'4938	71	687	9'4	6581	7	16'5492	19'6765	6*	5'1853	8'0302			
6529	15	6'9910	22'0863	15	18'3618	9'9763			6582	7	16'6383	19'4094	6*	5'2627	7'7604				
6530	5†	7'3861	22'1267						6583	8	17'5262	19'6475							
6531	8	8'3343	22'9093	5	19'6644	10'8620			6584	4	18'3529	19'1466							
6532	15	9'7935	22'7108	8	21'1288	10'7345			6585	4	19'1554	19'1985							
6533	24§	10'1978	22'1479	22	21'5609	10'1914			6586	4	20'9710	19'0935							
6534	5	10'6880	22'1856						6587	9*	23'9986	19'5783	7	12'6149	7'5469				
6535	4	12'8328	22'4763						6588	13	24'0552	19'5099	11	12'6714	7'4779				
6536	5	13'9710	22'7260						6589	8	15'5120	20'1234	6*	4'1753	8'5332				
6537	11	3'2385	23'5658	6	14'5414	11'2722			6590	35§	17'1111	20'4159	42§	5'7843	8'7422	71	692	9'2	
6538	4	13'3953	23'0053						6591	8	18'5815	20'9373	6	7'2762	9'1838				
6539	27	4'5854	24'2913	16	15'8515	12'0615			6592	5	19'2237	20'2993							
6540	10	8'3447	24'7372	5	19'5846	12'6887			6593	6	19'4623	20'1586							
6541	14	8'3883	24'9133	9	19'6215	12'8645			6594	11	19'7450	20'8623	9	8'4347	9'0475				
6542	43§	9'6077	24'6804	43§	20'8508	12'6922	72	647	9'0	6595	4	20'7467	20'1273						
6543	10	10'1866	24'0903	8	21'4564	12'1298			6596	5	21'2836	20'8265							
6544	19	12'0363	24'6775	16	23'2760	12'8031			6597	10	21'2975	20'5885	7	9'9700	8'6960				
6545	53§	3'0412	26'1090	26§	14'2210	13'8046	72	642	9'3	6598	37§	21'4566	20'1833	40§	10'1117	8'2838	71	697	9'3
6546	9	8'8862	25'2261	5	20'1022	13'2020			6599	7	14'3973	21'1048	7†	3'1096	9'5677				
6547	14	10'1028	25'1867	9	21'3185	13'2213			6600	8	14'8392	21'4532	7	3'5689	9'8937				
R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>							R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>		R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>							R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>			
Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1024. 1893, April 21.		Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1024. 1893, April 21.			
6548	5	15'3568	14'2501				°	m.	6601	5	16'5514	21'1815							
6549	8	16'6550	14'8765						6602	13	20'4525	21'1403	9	9'1604	9'2905				
6550	21§	18'8140	14'4849	22	7'1767	2'7304			6603	10	20'6699	21'3636	9	9'3872	9'5023				
6551	7	19'7189	14'2605						6604	5	22'7003	21'7152							
6552	7	20'9310	14'4970						6605	20	23'3823	21'4508	16	12'1010	9'4524				
6553	6	22'8169	14'3370						6606	25	24'2164	21'3326	19	12'9265	9'2900				
6554	6	14'8830	15'3284						6607	28§	18'9162	22'9347	30§	7'7159	11'1645	71	695	9'2	
6555	6	20'9523	15'4398						6608	13	19'4362	22'4388	9	8'2081	10'6399				
6556	10	21'2682	15'5223	8	9'6801	3'6430			6609	12	24'3394	22'7437	10	13'1230	10'6931				
6557	26§	23'5757	15'5997	21	11'9905	3'5965			6610	20§	14'1018	23'6360	23§	2'9450	12'1110				
6558	42§	17'5804	16'6257	53§	6'0558	4'9295	71	693	9'0	6611	41§	20'4213	23'7417	48§	9'2608	11'8913	72	651	9'2
6559	7	18'2630	16'5069	4*	6'7313	4'7809			6612	4†	20'8437	23'4395							
6560	4	20'3656	16'6564						6613	6†	21'6845	23'4489							
6561	6	20'9163	16'3307	4*	9'3718	4'4650			6614	24	22'0530	23'6040	21	10'8852	11'6706				
6562	9	20'9600	16'8932	10*	9'4425	5'0227			6615	6†	24'4720	23'1801							
6563	5	20'9613	16'8989	7*	9'4443	5'0297			6616	4	20'6064	24'1509							
6564	8	21'4020	16'9793	7	9'8910	5'0863			6617	12	21'0165	24'4379	7	9'8923	12'5565				
6565	16	22'3976	16'1157	11	10'8231	4'1741			6618	12	21'4463	24'6654	8	10'3329	12'7610				
6566	8	23'4049	16'7778						6619	12	23'4683	24'2741	9	12'3317	12'2661				
6567	17	23'5862	16'6442	12	12'0540	4'6395			6620	5	19'5223	25'5613							
6568	27§	18'3431	17'0833	31§	6'8415	5'3490	71	694	9'5	6621	10	21'3065	25'7527	8	10'2493	13'8538			
R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>							R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>		R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>							R.A. 14 <sup>h</sup> 36 <sup>m</sup> to 14 <sup>h</sup> 48 <sup>m</sup>			
Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1024. 1893, April 21.		Centre R.A. 14 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2666. 1895, June 8.							R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 1024. 1893, April 21.			
6569	8	21'6856	17'6586	5*	10'2093	5'7503	°	m.	6622	5*	21'5604	25'2634	3*	10'4728	13'3493				
6570	13	15'3831	18'5348	13	3'9611	6'9482			6623	31§	24'9915	25'0305	23	13'8907	12'9404	72	654	9'5	
6571	5	16'9853	18'7998						99§	24'3081	26'4012					72	653	7'5	



## ZONE + 71°.

R.A. 14 <sup>h</sup> 48 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup>								R.A. 14 <sup>h</sup> 48 <sup>m</sup> to 15 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°				Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°				R.A. 14 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			
Plate 2667. 1895, June 8.				Plate 1024. 1893, April 21.				Plate 2667. 1895, June 8.				Plate 1024. 1893, April 21.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
6624	6	2.8308	13.9823					6683	25§	12.3250	21.3244	33§	23.7743	9.6971	
6625	7	5.5475	14.7122	5*	17.3002	2.7833		6684	5	3.2364	22.7359				
6626	11	6.1536	14.6292	9	17.9107	2.7322		6685	6	4.6900	22.5184	5*	16.0926	10.5450	
6627	20§	7.4665	14.0085	20	19.2510	2.1697		6686	22	5.9182	22.0689	18	17.3382	10.1520	
6628	20§	8.4082	14.6176	24	20.1627	2.8198		6687	23§	8.3467	22.1725	24§	19.7615	10.3677	71 701 9.4
6629	19	9.5586	14.9898	20	21.2947	3.2465		6688	11	8.4364	22.4124	7†	19.8382	10.6103	
6630	14	11.8071	14.9264	15*	23.5457	3.2815		6689	19	8.6287	22.1866	17	20.0410	10.3936	
6631	6	12.2651	14.2224	4*	24.0247	2.6082		6690	25§	8.7832	22.8637	25§	20.1649	11.0733	
6632	75§	13.5805	14.0118	101§	25.3591	2.4492	71 706 6.8	6691	14	9.9865	22.2574	9	21.3924	10.5241	
6633	6	4.2556	15.1497					6692	14	12.9706	22.4737	14	24.3657	10.8731	
6634	17	4.3989	15.2951	15	16.1281	3.3169		6693	17	13.2444	22.5021	16	24.6362	10.9178	
6635	7	7.6334	15.7923					6694	11	2.9666	23.3529	6	14.3319	11.3025	
6636	6	8.9523	15.2255	4*	20.6800	3.4560		6695	11	3.7152	23.5453	7†	15.0710	11.5246	
6637	9	10.1132	15.5555	6*	21.8237	3.8350		6696	40§	4.3875	23.1352	40§	15.7650	11.1478	71 699 9.3
6638	27§	10.3857	15.6241	34§	22.0939	3.9166		6697	36§	7.0108	23.6266	34§	18.3634	11.7589	
6639	4	11.7138	15.4306					6698	12	8.3456	23.5258	7*	19.6949	11.7199	
6640	5	13.7715	15.4233					6699	22§	12.4717	23.7342	23	23.8127	12.1107	
6641	9	2.8110	16.2915					6700	8	13.5315	23.8755	6*	24.8634	12.3028	
6642	17§	3.9725	16.1965	18	15.6639	4.1996		6701	9	4.1478	24.7373	5	15.4487	12.7398	
6643	8	5.5921	16.0699	5*	17.2841	4.1487		6702	8	7.6884	24.9486				
6644	63§	10.2986	16.7590	76§	21.9556	5.0477	71 704 7.8	6703	41§	8.1001	24.2357	48§	19.4237	12.4190	72 661 8.3
6645	4	11.6291	16.3681					6704	19	8.9935	24.5588	15	20.2980	12.7790	
6646	5	3.1030	17.4769					6705	14	12.0654	24.4262	11	23.3720	12.7882	
6647	22§	5.4289	17.3420	24	17.0648	5.4098		6706	9	13.0404	24.6970	6*	24.3339	13.1028	
6648	7	6.1043	17.9733	4†	17.7094	6.0695		6707	42§	4.4469	25.3845	32§	15.7217	13.3993	72 656 9.5
6649	6	6.8884	17.0175	5*	18.5347	5.1517		6708	36§	4.5851	25.8105	26§	15.8378	13.8283	
6650	39§	8.3720	17.7423	44§	19.9855	5.9423	71 702 8.7	6709	7	8.2694	25.1828				
6651	18§	9.3999	17.5034	15	21.0240	5.7496		6710	12	12.1266	25.4593	11	23.3862	13.8206	
6652	24§	12.2181	17.5263	38§	23.8396	5.8991									
6653	11	4.3496	18.8048	7	15.9209	6.8203						70§	26.3144	8.5123	71 707 8.5
6654	31§	4.6132	18.3502	33§	16.2018	6.3815	71 700 9.5								
6655	15	6.4594	18.8587	11*	18.0253	6.9704									
6656	9	8.0689	18.5330	6†	19.6464	7.206									
6657	4	9.4699	18.4304	4*	21.0487	6.6781									
6658	10	10.2983	18.2037	6*	21.8882	6.4880									
6659	6	11.9620	18.0736	4*	23.5550	6.4330									
6660	21§	13.9885	18.9445	32	25.5441	7.3953		6711	4	15.6058	14.6807				
6661	10	2.8347	19.9741	6	14.3537	7.9198		6712	6	16.1654	14.1539				
6662	10	11.0123	19.2128	9†	22.5578	7.5302		6713	19	17.7835	14.4771	14	6.1098	2.5883	
6663	4	13.5548	19.9903	4	25.0272	8.4420		6714	6	17.8038	14.6814				
6664	16§	13.6959	20.8950	16	25.1619	9.3317		6715	25§	19.0365	14.3518	21	7.3544	2.3938	
6665	8	4.1293	20.8008	5	15.6089	8.8055		6716	17	20.7106	14.0828	5*	9.0145	2.0391	
6666	9	5.3603	20.5691	5*	16.8487	8.6299		6717	23§	20.7332	14.3263	17	9.0478	2.2795	
6667	18	6.5409	20.1520	15	18.0480	8.2682		6718	6	22.2243	14.5173				
6668	12	7.9498	20.0348	10	19.4625	8.2131		6719	21	24.5462	14.8605	11	12.8827	2.6118	
6669	10	9.2863	20.1164	6†	20.7928	8.3529		6720	4	14.5814	15.1705				
6670	21	9.6668	20.5514	23	21.1537	8.8085		6721	66§	18.2601	15.8218	47§	6.6582	3.9018	71 710 7.7
6671	19§	11.7236	20.3733	22	23.2170	8.7185		6722	6	19.9043	15.7330				
6672	24§	11.9221	20.3590	31§	23.4154	8.7165		6723	16	21.7068	15.8595	8	10.1005	3.7591	
6673	60§	11.9550	20.4052	75§	23.4478	8.7655	71 705 8.4	6724	35§	23.8623	15.9375	24§	12.2564	3.7227	71 715 9.4
6674	25	3.1938	21.8990	21	14.6251	9.8605		6725	13	24.9675	15.7868	5	13.3506	3.5160	
6675	16	5.5247	21.6786	10	16.9648	9.7481		6726	13	25.1642	15.2406	6	13.5192	2.9573	
6676	12	5.5427	21.9686	7*	16.9692	10.0372		6727	31	25.5244	15.7240	16	13.9030	3.4225	
6677	6	6.1723	21.9009	5*	17.5972	9.9972		6728	8	18.5285	16.5966	3*	6.9645	4.6649	
6678	5*	7.0802	21.6761	4*	18.5160	9.8154		6729	6	20.8465	16.3011				
6679	17	7.6008	21.9655	11	19.0233	10.1252		6730	4	22.1047	16.2226				
6680	19§	9.7727	21.9496	17	21.1946	10.2093		6731	11	25.0063	16.9213	5	13.4525	4.6445	
6681	23§	10.4149	21.6987	24§	21.8471	9.9883		6732	6	15.5743	17.5243				
6682	5	10.5379	21.6084	4*	21.9742	9.9013		6733	4	15.8658	17.6550				

## ZONE + 71°.

R.A. 15 <sup>h</sup> 0 <sup>m</sup> to 15 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 15 <sup>h</sup> 12 <sup>m</sup> to 15 <sup>h</sup> 24 <sup>m</sup>								
Centre R.A. 15 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 12 <sup>m</sup> Dec. +72°		
Plate 2667. 1895, June 8.			Plate 3088. 1896, April 22.			Plate 1126. 1893, May 14.			Plate 3088. 1896, April 22.			Plate 1126. 1893, May 14.			Plate 3088. 1896, April 22.		
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		No.	Diam.	z.	y.	Diam.	z.	y.	B. D.	
							No.	Mag.								No.	Mag.
6734	11	17.4674	17.5808	5	5.9568	5.7012			6792	30§	5.7081	14.1206	24	17.4322	2.0025		
6735	6	21.2544	17.8807	4*	9.7551	5.7996			6793	12	10.0782	14.1129	5	21.7919	2.2370		
6736	9	19.3628	18.7921	5*	7.9135	6.8101			6794	51§	11.1227	14.1658	49§	22.8341	2.3393	71	724
6737	6	19.3896	18.7890	3*	7.9394	6.8064			6795	14	4.8947	15.4228	9	16.5502	3.2606		
6738	6	21.3422	18.9883	3*	9.9005	6.9016			6796	30§	5.9463	15.1589	22§	17.6138	3.0541	71	721
6739	7	21.8636	18.2370	4	10.3813	6.1273			6797	5	6.9558	15.5178					
6740	22	23.9468	18.6776	10	12.4854	6.4529			6798	20§	7.5500	15.9620	15	19.1713	3.9418		
6741	49§	24.5153	18.8282	25§	13.0628	6.5753	71	716	6799	8	11.7018	15.8044	4*	23.3252	4.0113		
6742	6	17.5585	19.3881						6800	18§	12.6113	15.4364	13	24.2567	3.6908		
6743	6	20.5237	19.0550						6801	16	9.1509	16.5453	11	20.7388	4.6109		
6744	17	21.5215	19.2761	10	10.0953	7.1809			6802	8	11.5304	16.3024					
6745	6	21.6867	19.7419	3*	10.2825	7.6366			6803	13	3.5194	17.7269	9	15.0512	5.4877		
6746	10	22.8971	19.0270	4	11.4549	6.8579			6804	8	4.4537	17.2209	6	16.0110	5.0333		
6747	29§	23.2893	19.3856	17§	11.8645	7.1962			6805	25§	5.3513	17.9968	19§	16.8643	5.8542	71	719
6748	49§	14.8100	20.0228	36§	3.4333	8.2828	71	707	6806	10	8.0736	17.7781	7	19.5948	5.7840		
6749	38§	16.0567	20.6324	26§	4.7099	8.8240	71	709	6807	6	11.0058	17.5488	3*	22.5408	5.7125		
6750	15	16.1966	20.9075	8	4.8640	9.0933			6808	11	11.3025	17.3151	9	22.8441	5.4962		
6751	21§	17.5208	20.4317	13	6.1631	8.5443			6809	14	11.4417	17.3389	9	22.9813	5.5283		
6752	6	18.3032	20.6972						6810	5	11.4487	17.3454					
6753	6	19.2817	20.2324	2*	7.9100	8.2521			6811	30§	13.4251	17.9860	30§	24.9301	6.2810	71	728
6754	24§	19.3284	20.1765	16	7.9537	8.1935	71	711	6812	30§	2.8015	18.0117	18§	14.3175	5.7300	71	717
6755	6	19.4369	20.3566	3*	8.0714	8.3694			6813	7	4.2383	18.3946	4	15.7308	6.1917		
6756	6	20.5157	20.4628	3†	9.1512	8.4199			6814	5	7.7100	18.9325	4	19.1739	6.9177		
6757	9	21.5397	20.4474	5	10.1727	8.3524			6815	7	9.5183	18.5932					
6758	28§	22.9095	20.6242	13	11.5509	8.4536			6816	28§	9.9989	18.5869	23§	21.4746	6.6944	71	723
6759	7	15.9788	21.6982	3*	4.6900	9.8935			6817	20§	10.2810	18.4628	17	21.7638	6.5868		
6760	12	17.4019	21.2633	6	6.0888	9.3823			6818	7	10.5014	18.5986	5	21.9783	6.7353		
6761	6	19.2834	21.1872	3†	7.9615	9.2080			6819	27§	12.8727	18.0287	26	24.3751	6.2919	71	726
6762	21§	20.2756	21.1256	12	8.9495	9.0955			6820	7	3.2180	19.9863	5	14.6282	7.7272		
6763	6	21.3226	21.9078	4	10.0340	9.8178			6821	9	3.8865	19.8192	5	15.3050	7.5978		
6764	18	21.3697	21.0333	7	10.0353	8.9438			6822	13	8.8068	19.7338	11	20.2241	7.7767		
6765	5*	22.0307	21.3374	3†	10.7117	9.2117			6823	21	10.9660	19.5645	17	22.3884	7.7244		
6766	31	22.0593	21.9011	17	10.7723	9.7725			6824	21§	12.5973	19.5519	18	24.0175	7.8000		
6767	18	22.6490	21.0310	7	11.3134	8.8702			6825	9	4.4772	20.9868	6	15.8278	8.7928		
6768	5*	24.0017	21.0313	4	12.6661	8.8043			6826	80§	7.5856	20.9146	55§	18.9415	8.8862	71	722
6769	19	24.3237	21.4427	8	13.0090	9.1962			6827	11	7.7212	20.7805	8	19.0835	8.7606		
6770	9	15.6962	22.8391	5*	4.4667	11.0461			6828	14	7.8554	20.7863	10	19.2169	8.7755		
6771	4	16.4827	22.9768						6829	4	10.0475	20.6504	3*	21.4114	8.7604		
6772	34§	19.8542	22.6944	22§	8.6124	10.6824	71	713	6830	6	11.0633	20.4637	4†	22.4380	8.6264		
6773	15	20.2616	22.2613	6	8.9948	10.2287			6831	25	11.4084	20.2115	20	22.7974	8.3957	71	725
6774	43§	23.1905	22.4460	23§	11.9298	10.2580	71	714	6832	6	13.3507	20.8745					
6775	11	23.4245	22.6677	5	12.1755	10.4674			6833	14	9.1575	21.1781	6	20.4962	9.2285		
6776	8*	23.8787	22.0313	4	12.5925	9.8105			6834	8	9.5861	21.8119	6	20.8876	9.8926		
6777	5	14.3442	23.4306						6835	20§	10.4628	21.1286	16	21.8005	9.2580		
6778	10	16.5288	23.6593	4	5.3422	11.8232			6836	11	13.5093	21.7396	6*	24.8083	10.0363		
6779	9	16.6988	23.0480	4*	5.4797	11.2026			6837	45§	4.0902	22.7373	30§	15.3507	10.5233	71	718
6780	8	17.1380	23.1079	4*	5.9215	11.2389			6838	45§	6.0078	22.0672	32§	17.3009	9.9555	71	720
6781	7	18.0165	23.0759	3*	6.7979	11.1606			6839	20§	7.7540	22.1955	12	19.0403	10.1763		
6782	14	18.0714	23.6704	7	6.8824	11.7503			6840	6	8.7750	22.9195	4	20.0184	10.9577		
6783	28§	14.1101	24.0293	20	2.9487	12.3204	72	663	6841	17	9.5991	22.5950	10	20.8609	10.6750		
6784	9	18.6376	24.0133	4	7.4653	12.0633			6842	8	10.4803	22.6855	4	21.7337	10.8143		
6785	28§	20.0125	24.0075	17	8.8377	11.9858			6843	11	10.8752	22.4979	8	22.1376	10.6473		
6786	18	20.1315	24.6260	7	8.9903	12.5978			6844	15	12.8975	22.4310	10	24.1619	10.6870		
6787	14	20.6108	24.4858	6	9.4606	12.4323			6845	11	3.6725	23.1777	6	14.9083	10.9359		
6788	6	22.0233	24.5118	4	10.8735	12.3820			6846	10	10.8686	23.9615	4†	22.0543	12.1092		
6789	13	14.1906	25.3323	5	3.0965	13.6155			6847	17	2.9625	24.8923	7	14.1081	12.6171		
6790	13	15.5513	25.4855	6	4.4631	13.6954			6848	14	7.3825	24.2952	8	18.5541	12.2571		
6791	28	19.0720	25.8974	16	8.0025	13.9208	72	669	6849	19	13.1669	24.9493	14	24.2914	13.2207		
									6850	8	8.9446	25.3018	6	20.0578	13.3458		
74§		26.5959	22.8904				71	718									

1 réseau interval represents very nearly 5' = 61.4 at Dec. + 71°, and 64.7 at Dec. + 72°.



## ZONE + 71°.

No.	Diam.	z.	y.	Diam.	z.	y.	B. D.		No.	Diam.	z.	y.	Diam.	z.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 15 <sup>h</sup> 24 <sup>m</sup> to 15 <sup>h</sup> 36 <sup>m</sup>									R.A. 15 <sup>h</sup> 24 <sup>m</sup> to 15 <sup>h</sup> 36 <sup>m</sup> —contd.																
Centre R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			Centre R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			R.A. 15 <sup>h</sup> 24 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°										
Plate 1126. 1893, May 14.			Plate 4033. 1898, June 21.			Plate 1126. 1893, May 14.			Plate 4033. 1898, June 21.			Plate 1126. 1893, May 14.			Plate 4033. 1898, June 21.										
6851	15	16.5353	13.9913	18	4.6914	2.2857		m.	6910	43§	19.9233	21.4710	42§	8.4097	9.6064	71° 734	9.0								
6852	7	22.5001	13.9760	6	10.6492	2.0028			6911	5	20.0765	21.4885	7	8.5638	9.6179										
6853	26§	14.4341	14.9068	37§	2.6332	3.2905	71 729	9.5	6912	24§	20.2923	21.2594	23§	8.7687	9.3788										
6854	32§	17.6160	14.9457	41§	5.8119	3.1883	71 731	9.5	6913	46§	24.5272	21.6930	36§	13.0195	9.6217	71 739	9.0								
6855	45§	18.7068	14.1809	50§	6.8690	2.3763	71 733	8.3	6914				4	13.5735	9.6830										
6856	18	20.9653	14.2503	17§	9.1269	2.3460			6915	56§	15.9955	22.1073	61§	4.5161	10.4199	71 730	8.0								
6857	52§	22.7845	14.4528	54§	10.9563	2.4652	71 735	8.8	6916	16	17.4399	22.0867	18§	5.9595	10.3331										
6858	4*	25.7046	14.1308	5†	13.8604	2.0144			6917	24§	18.0948	22.7604	25§	6.6433	10.9760										
6859	19§	17.2102	15.1795	27§	5.4183	3.4393			6918	25§	18.6711	21.8254	25§	7.1767	10.0143										
6860	6	17.7662	15.7040	4†	5.9939	3.9453			6919				3	9.0328	10.7363										
6861	7	21.3239	15.6481	12	9.5498	3.7246			6920	20§	21.9738	22.2820	16§	10.4940	10.3248										
6862	4*	22.1250	15.5317	4	10.3484	3.5722			6921	5†	21.9763	22.5297	6	10.5079	10.5694										
6863				8	7.3300	4.6649			6922	9	21.9756	22.5413	8	10.5104	10.5842										
6864	5	19.6590	16.1793	7	7.9085	4.3272			6923	4*	22.0946	22.2164	4	10.6135	10.2535										
6865	19	21.7209	16.5059	18§	9.9830	4.5647			6924	41§	22.5064	22.2588	42§	11.0243	10.2801	71 736	8.5								
6866				4†	10.3572	4.1457			6925	5*	22.5173	21.9960	6	11.0258	10.0150										
6867	3*	22.2923	16.7770	4	10.3644	4.8084			6926	24§	22.5513	21.9895	24§	11.0579	10.0078										
6868				3	11.2416	4.7490			6927	44§	25.2361	22.7957	30§	13.7797	10.6933	71 740	8.9								
6869	6	23.0008	16.7379	11	11.2725	4.7364			6928	4	16.5250	22.9908	5	5.0848	11.2791										
6870	16	24.1586	16.3423	18§	12.4114	4.2920			6929	6	16.8625	23.5789	8	5.4443	11.8448										
6871	13	24.5034	16.6308	13	12.7692	4.3629			6930				7	10.4176	11.4985										
6872	9	17.7361	17.4494	11	6.0463	5.6868			6931				4	10.6990	11.1804										
6873	7	18.8941	17.7724	7	7.2166	5.9533			6932				4	12.2520	11.7866										
6874	5	19.9143	17.8386	6	8.2388	5.9763			6933	5	15.1830	24.2880	7	3.7992	12.6336										
6875				5	10.5293	5.2056			6934	7	16.7768	23.8721	8	5.3757	12.1452										
6876	13	22.3572	17.6595	13	10.6713	5.6879			6935	16	20.7036	24.4818	14§	9.3244	12.5796										
6877	14	22.8297	17.3810	13	11.1316	5.3901			6936				5	9.9738	12.6841										
6878	23	24.1062	17.7862	19§	12.4243	5.7354			6937				4	10.2193	12.6745										
6879				4	13.8062	5.6229			6938				4	10.9533	12.4489										
6880	6	14.2501	17.9513	6	2.5838	6.3436			6939	36§	22.9630	24.8113	24§	11.5937	12.8065	72 685	9.5								
6881	6	16.4733	18.0703	8	4.8125	6.3615			6940	10	22.9938	24.6649	12§	11.6206	12.6578										
6882	14	20.1536	18.2673	15§	8.4964	6.3947			6941				4	12.3515	12.4181										
6883	8	22.8955	18.1692	10	11.2283	6.1746			6942	13	24.0407	24.6858	15§	12.6675	12.6327										
6884				5	12.7379	6.8255			6943				5	13.5348	12.1412										
6885	18	14.0268	18.9490	18	2.4067	7.3508			6944	15	14.2972	24.7829	18	2.9393	13.1684										
6886	4	14.9476	19.2460	7	3.3384	7.6052			6945				4	5.3676	13.3040										
6887	4†	17.9753	19.1853	6	6.3622	7.4071			6946	4	18.1994	25.1485	6	6.8491	13.3583										
6888	19§	18.1630	19.6584	19§	6.5702	7.8733			6947	12	18.3554	25.4600	12	7.0223	13.6610										
6889	4	18.8310	19.5205	5	7.2321	7.7039			6948				6	7.9940	13.5536										
6890	5†	19.5873	19.4497	6	7.9820	7.5993			6949				4	12.0070	13.0614										
6891				3†	8.1527	7.0855			6950				4	13.0993	13.7804										
6892	9	20.7991	19.2588	8	9.1668	7.3572			R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 48 <sup>m</sup>																
6893	3*	20.8347	19.0547	4	9.2121	7.1505			Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°										
6894				4	10.5382	7.1377			Plate 4985. 1900, May 28.			Plate 4033. 1898, June 21.			Plate 4033. 1898, June 21.										
6895	11	22.1420	19.6023	10	10.5429	7.6412			6951	19	3.1254	14.0453	15	14.6381	1.8102		m.								
6896	4*	22.3243	19.2894	6	10.7088	7.3178			6952	4	3.0676	14.9128	4	14.5383	2.6723										
6897	3*	22.3729	19.2977	4	10.7570	7.3249			6953	6	3.7513	15.1255	9	15.2104	2.9185										
6898	6	22.3423	19.9518	6	10.7594	7.9798			6954	4	6.4764	14.3999	5	17.9685	2.3197										
6899	4*	22.7246	19.7304	5	11.1316	7.7408			6955	10	12.3518	14.5905	12	23.8276	2.7942										
6900				4	11.3696	7.2497			6956	5	13.3576	14.4989	6*	24.8381	2.7461										
6901	25§	23.3537	19.9153	28§	11.7668	7.8971	71 738	9.5	6957	11	2.7019	15.9261	12	14.1266	3.6690										
6902	4	19.7635	20.1196	5	8.1894	8.2641			6958				4	14.3685	3.0577										
6903	5	19.8752	20.7681	7	8.3318	8.9051			6959	3*	5.6971	15.4282	4	17.1403	3.3123										
6904	5†	22.6237	20.6689	6	11.0696	8.6811			6960	2*	6.9625	15.8466	5	18.3851	3.7878										
6905				4	11.5916	8.5906			6961	26§	9.4884	15.5560	33§	20.9249	3.6166	71 744	9.5								
6906	4*	14.3551	20.8180	6†	2.8159	9.2019			6962	5	11.1717	15.5825	8	22.6053	3.7216										
6907				4	4.7173	9.1433																			
6908	7	17.9650	21.0328	8	6.4356	9.2543																			
6909	24§	19.4049	20.8478	22§	7.8646	9.0043																			

1 réseau interval represents very nearly 5' = 61.4 at Dec. +71°, and 64.7 at Dec. +72°.

## ZONE + 71°.

R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 15 <sup>h</sup> 36 <sup>m</sup> to 15 <sup>h</sup> 48 <sup>m</sup>										
Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 15 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				
Plate 4985. 1900, May 28.			Plate 4033. 1898, June 21.			Plate 4985. 1900, May 28.			Plate 4033. 1898, June 21.			Plate 4985. 1900, May 28.			Plate 4033. 1898, June 21.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
							No.	Mag.								No.	Mag.		
6963	9	2°9278	16°9239	11	14°3032	4°6743		m.	7022	7	8°1341	23°8664	10	19°1793	11°8568		m.		
6964				4	14°5092	4°8184			7023	13	9°7400	23°6060	14§	20°7968	11°6725				
6965	4*	4°1049	17°0349	6	15°4761	4°8415			7024	5	11°0370	23°7304	6	22°0844	11°8569				
6966	6	5°9328	17°0180	10	17°3014	4°9155			7025				4	22°7922	11°9895				
6967	3*	7°1907	16°3919	6	18°5875	4°3438			7026	2*	12°1982	22°9344	4	23°2806	11°1170				
6968	7	7°7789	16°8015	12	19°1593	4°7819			7027	6	12°2901	22°9443	6	23°2910	11°1264				
6969	30§	10°9753	16°4052	40§	22°3686	4°5343	71	746	9°5	7028	60§	3°6091	24°4938	46§	14°6290	12°2684	72	687	8°5
6970	13	11°3830	15°9474	19	22°7964	4°0987			7029				5	16°0831	12°9690				
6971	18§	13°6773	15°7950	22§	25°0951	4°0543			7030				4	17°6829	12°3732				
6972	18	2°6883	18°1009	15§	14°0100	5°8394			7031	6	6°7433	24°8474	8	17°7417	12°7730				
6973	17	3°3808	18°1826	12§	14°6990	5°9518			7032				4	19°4343	12°3345				
6974	15	3°9268	17°2792	13	15°2849	5°0776			7033				4	19°7763	12°5102				
6975				4	15°9271	5°5035			7034	5	8°8985	24°9228	6	19°8922	12°9463				
6976	12	5°0175	17°4369	12§	16°3685	5°2862			7035				4	20°7967	12°6836				
6977	5	5°3007	17°6857	7	16°6408	5°5484			7036				4	21°1304	12°8837				
6978	3*	6°2784	17°3748	4	17°6317	5°2796			7037				4	21°3394	12°6724				
6979	15	7°7093	17°3646	19§	19°0606	5°3411			7038	6*	11°6215	24°0354	7	22°6543	12°1879				
6980	25§	9°6788	17°2612	33§	21°0331	5°3289	71	745	9°5	7039	4*	11°7231	23°8409	5	22°7655	12°0000			
6981				4	21°2709	5°1106			7040	14	12°6503	24°2497	14	23°6727	12°4528				
6982	43§	11°1203	17°0313	49§	22°4863	5°1687	71	748	9°1	7041			4	14°7262	13°0460				
6983	15	13°6364	16°8256	18	25°0070	5°0798			7042				5	14°8349	13°4477				
6984	4	13°6913	17°2863	4*	25°0382	5°5457			7043	3*	6°4605	25°7945	5	17°4140	13°7063				
6985	20	4°5705	18°3258	15	15°8800	6°1542			7044	19	7°1617	25°1156	14§	18°1496	13°0556				
6986	4	6°2588	18°2923	8	17°5672	6°1982			7045	3*	10°8840	25°8175	5	21°8339	13°9367				
6987				4	17°6076	6°5844			7046	32§	11°9206	25°6254	26§	22°8794	13°7908				
6988				4	19°6839	6°4168			7047	43§	13°2596	25°6634	41§	24°2140	13°8909	72	696	8°5	
6989	10	9°4261	18°6654	11	20°7129	6°7204			R.A. 15 <sup>h</sup> 48 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup>										
6990	17§	12°3685	18°1450	23	23°6790	6°3401			Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Plate 4985. 1900, May 28.				
6991	11	12°5010	18°5691	13	23°7905	6°7700			Plate 4985. 1900, May 28.			Plate 4944. 1900, April 28.							
6992	11	12°6447	18°6554	12	23°9297	6°8636			7048	9	14°3752	14°5683					m.		
6993				9	14°2303	7°7645	71	741	7°2	7049	4	20°0070	14°8450						
6994	74§	4°5894	19°8954	70§	15°8235	7°7238			7050	11	20°6620	14°2774	4	8°8248	2°2617				
6995				4	16°0503	7°4860			7051	16	22°8705	14°0378	11	11°0198	1°9138				
6996	19§	5°4216	19°4154	18§	16°6792	7°2820	71	743	9°4	7052	16	23°7352	14°4746	6	11°9020	2°3030			
6997	29§	7°3318	19°5153	30§	18°5828	7°4723	71	749	9°1	7053	4	16°1029	15°4489						
6998	34§	11°1770	19°7251	33§	22°4135	7°8614			7054	24§	20°2154	15°9773	24§	8°4664	3°9833				
6999	7	5°0514	20°2382	8	16°2704	8°0868			7055	4	22°9551	15°0240	4	11°1530	2°8905				
7000				4	18°1024	8°5094			7056	6	17°1505	16°4233	4†	5°4272	4°5881				
7001	4*	9°3190	20°6797	6	20°5140	8°7300			7057	8	18°9601	16°7158	6	7°2503	4°7873				
7002	9	10°0716	20°6351	9	21°2691	8°7188			7058	5	19°0222	16°3560	3*	7°2967	4°4257				
7003	6	10°3751	20°2262	6	21°5896	8°3264	71	747	8°7	7059	5	20°4720	16°3787						
7004	34§	11°1483	20°3395	34§	22°3565	8°4742			7060	3	21°4731	16°2163							
7005	6	11°3573	20°6794	7	22°5508	8°8237			7061	21	23°4172	16°4242	22	11°6865	4°2662	71	762	7°0	
7006	21	2°8701	22°0128	13§	14°0078	9°7550			7062	83§	24°6269	16°2684	76§	12°8872	4°0461				
7007				4	15°0358	9°5848			7063	9	24°9350	16°8784	4	13°2260	4°6440				
7008				4	15°2782	9°5470			7064	5	15°3517	17°3352							
7009	5*	4°1619	22°1459	6	15°2917	9°9485			7065	5	17°0407	17°2059	4	5°3601	5°3751				
7010	6	5°2522	21°5960	8	16°4072	9°4539			7066	3	19°7429	17°8201							
7011	17	6°3114	21°8051	12§	17°4567	9°7097			7067	6	18°4308	17°4528	5	6°7597	5°5486				
7012	18	7°2299	21°2945	14§	18°3966	9°2441			7068	4	20°4478	17°9466							
7013	6	9°9093	21°3339	8	21°0731	9°4083	71	750	9°5	7069	16§	22°7396	17°3876	16	11°0598	5°2626			
7014	16	13°6875	21°4008	21	24°8410	9°6544			7070	17	14°6086	18°1483	15	2°9803	6°4419				
7015				4	19°1120	10°7474			7071	4	15°2965	18°3440							
7016	9	8°5293	22°5126	8	19°6371	10°5226			7072	19	17°8631	18°5662	20	6°2505	6°6898				
7017	5	9°0645	22°8995	6	20°1553	10°9352			7073	4	17°9660	18°3374							
7018	5	11°1029	21°8798	8	22°2402	10°0090			7074	5	18°7674	18°3718	3	7°1424	6°4464				
7019	27§	3°1977	24°1330	17§	14°2350	11°8888													
7020	24	5°8628	23°5458	15§	16°9262	11°4295													
7021	4*	7°6015	23°4832	4	18°6689	11°4450													

1 résein interval represents very nearly 5' = 61°.4 of R.A. at Dec. + 71°, and 64°.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 15 <sup>h</sup> 48 <sup>m</sup> to 16 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 16 <sup>h</sup> 0 <sup>m</sup> to 16 <sup>h</sup> 12 <sup>m</sup> —contd.							
Centre R.A. 15 <sup>h</sup> 48 <sup>m</sup> Dec. +71°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +72°				Centre R.A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				R.A. 16 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			
Plate 4985. 1900, May 28.				Plate 4944. 1900, April 28.				Plate 2676. 1895, June 12.				Plate 4944. 1900, April 28.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. +71°, and 64.7 at Dec. +72°.

ZONE + 71°.

R. A. 16 <sup>h</sup> 12 <sup>m</sup> to 16 <sup>h</sup> 24 <sup>m</sup> —contd.									R. A. 16 <sup>h</sup> 12 <sup>m</sup> to 16 <sup>h</sup> 24 <sup>m</sup> —contd.										
Centre R. A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R. A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			Centre R. A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R. A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			Centre R. A. 16 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R. A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°				
Plate 2676. 1895, June 12.			Plate 2708. 1895, June 20.			Plate 2676. 1895, June 12.			Plate 2708. 1895, June 20.			Plate 2676. 1895, June 12.			Plate 2708. 1895, June 20.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.			
								No.	Mag.									No.	Mag.
7181				9	12.4908	4.5647			7240	5	19.1035	23.6538	12	7.6708	11.6835				
7182	27§	16.2530	17.2085	38§	4.4950	5.3925	71	771	9.4	7241	7	20.0440	23.4481	14	8.6000	11.4300			
7183				6	5.9358	5.8642			7242				7	8.9257	11.2563				
7184	24§	18.5001	17.2067	29§	6.7392	5.2764	71	777	9.5	7243			6	9.0655	11.1556				
7185				4	7.1855	5.0668			7244				5	9.9720	11.7053				
7186	6	21.6648	17.6049	13	9.9217	5.5124			7245				6	9.9755	11.2149				
7187				6	13.7968	5.9173			7246	9*	21.4700	23.2181	10	10.0125	11.1257				
7188				4	4.8768	6.8570			7247	6*	21.6055	23.6573	11	10.1713	11.5569				
7189				6	7.2107	6.2479			7248				4	10.9495	11.1183				
7190	6	18.9495	18.1059	11	7.2345	6.1503			7249				4	12.1574	11.4961				
7191				4	7.3816	6.1905			7250	27	24.2657	24.0390	24§	12.8488	11.8025	71	785		
7192	12	21.5901	19.0768	16	9.9197	6.9848			7251				4	13.7475	11.1380		9.1		
7193	28§	22.1059	18.3010	29§	10.3987	6.1864	71	781	9.1	7252	10	14.4519	23.7669	16	3.0308	12.0360			
7194	13	22.2131	18.1838	17	10.4986	6.0619			7253	20	14.4684	24.2547	20	3.0716	12.5183				
7195	17	22.2939	18.6451	20	10.6029	6.5170	71	783	9.5	7254	38§	16.0865	24.5208	37§	4.7031	12.7044	71	770	
7196				5	11.6619	6.7084			7255	4*	17.1089	24.6726	10	5.7306	12.8012		9.0		
7197	6	15.7708	18.7972	13	4.0940	7.0030			7256	3*	17.2633	24.0370	9	5.8534	12.1585				
7198	10	16.3707	19.7678	13	4.7442	7.9424			7257				5	6.0478	12.9386				
7199	24§	16.5814	18.8437	26§	4.9050	7.0078			7258	6	18.2556	24.2318	14	6.8529	12.3014				
7200				4	5.9508	7.4217			7259				5	7.2151	12.3288				
7201	4*	18.3707	19.6736	10	6.7353	7.7450			7260	20§	21.3144	24.4264	22§	9.9187	12.3415				
7202	6†	20.9979	19.7425	10	9.3658	7.6824			7261	35	21.9038	24.4365	27§	10.5104	12.3190	71	782		
7203				6	9.4418	7.3952			7262	18	22.0783	25.0290	22§	10.7120	12.9027		9.5		
7204				5	10.1065	7.2180			7263				4	11.6242	12.7654				
7205				4	12.7630	7.3244			7264				8	11.3845	13.7501				
7206	6	16.0033	20.2185	13	4.4003	8.4112			7265				3	12.4487	13.7915				
7207				6	6.1335	8.3283			7266	39§	24.2589	25.5164	34§	12.9155	13.2787	72	726		
7208	5†	18.2598	19.9354	10	6.6403	8.0125			7267				4	13.1682	13.8409		9.0		
7209	3	18.9138	20.5096	7	7.3235	8.5511			R. A. 16 <sup>h</sup> 24 <sup>m</sup> to 16 <sup>h</sup> 36 <sup>m</sup>										
7210	4*	19.2880	20.7751	8	7.7106	8.7966			Centre R. A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R. A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			Centre R. A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				
7211				6	8.4209	8.8488			Plate 4481. 1899, May 25.			Plate 2708. 1895, June 20.			Plate 4481. 1899, May 25.				
7212	6	20.4650	20.3214	10	8.8616	8.2874			7268	6	2.5642	14.4938	6	14.3056	2.1789				
7213				10	13.2287	8.5745			7269	28§	3.2702	14.9209	28§	14.9900	2.6389	71	788		
7214				10	13.2898	8.2083			7270	31§	8.3241	14.7312	38§	20.0460	2.6976	71	792		
7215	8	25.2316	20.3498	16	13.6238	8.0697			7271	11	8.4911	14.6554	12	20.2175	2.6297		9.0		
7216	8	25.5755	20.8788	14	13.9908	8.5823			7272	38§	8.4900	14.5202	46§	20.2228	2.4953	71	793		
7217	4†	17.0516	21.6774	7	5.5223	9.8126			7273	6	9.4476	14.5408	7*	21.1787	2.5593		9.0		
7218	9	19.7800	21.9810	14§	8.2648	9.9783			7274	22§	9.4478	14.3736	30§	21.1875	2.3963				
7219				4	10.5221	9.4317			7275	4	10.3798	14.1035							
7220				4	11.3645	9.8511			7276	4	10.8841	14.2417							
7221	17	14.6417	22.5204	22§	3.1589	10.7778			7277	13§	4.8325	15.2439	13	16.5353	3.0375				
7222				6	5.1606	10.8153			7278	3	5.7541	15.6820	4	17.4329	3.5265				
7223	18	17.1653	22.4327	20§	5.6743	10.5622	71	773	9.5	7279	18§	8.4896	15.0253	24§	20.2005	2.9998			
7224	15	18.8098	22.7097	20§	7.3273	10.7565			7280	6	9.7222	15.1751	5†	21.4234	3.2084				
7225				4	7.6468	10.3660			7281	11	10.2742	15.7187	12	21.9470	3.7831				
7226	4	19.1879	22.2015	8	7.6817	10.2278			7282	23§	10.5755	15.7508	34§	22.2471	3.8280	71	796		
7227				5	9.1418	10.0863			7283	58§	10.6695	15.6573	63§	22.3483	3.7384	71	797		
7228				4	9.3229	10.9301			7284	6	11.2809	15.3520	5*	22.9692	3.4635		7.8		
7229	43§	20.9315	22.7680	41§	9.4528	10.7057	71	778	9.0	7285	14	12.3129	15.8505	17	23.9765	4.0140			
7230	31§	21.4016	22.2415	31§	9.8943	10.1558	71	779	9.0	7286	9	12.9427	15.3639	10	24.6300	3.5586			
7231	8	21.5149	22.7982	17	10.0353	10.7055			7287	7	13.8504	15.0065	6*	25.5540	3.2448				
7232	17	22.5589	23.1153	18	11.0965	10.9680			7288	20§	3.1771	16.8938	22§	14.7980	4.6037				
7233				7	11.8423	10.6996			7289	7	4.0503	16.0333	7	15.7146	3.7880				
7234	10	15.5937	22.8941	16	4.1281	11.1083			7290	4	4.1850	16.4102	5	15.8300	4.1710				
7235	17	15.7583	23.5429	19§	4.3256	11.7420			7291	8	4.2066	16.6981	10	15.8364	4.4605				
7236	33§	16.1037	23.0545	34§	4.6462	11.2373	71	769	9.0	7292	9	4.6894	16.8358	10	16.3130	4.6215			
7237	4*	17.4830	23.0766	10	6.0240	11.1880													
7238	36§	17.5910	23.2343	36§	6.1404	11.3396	71	776	9.1										
7239	4†	18.3142	23.7885	8	6.8916	11.8583													

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71°, and 64<sup>s</sup>.7 at Dec. + 72°.



R.A. 16 <sup>h</sup> 24 <sup>m</sup> to 16 <sup>h</sup> 36 <sup>m</sup> —contd.										R.A. 16 <sup>h</sup> 24 <sup>m</sup> to 16 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre		R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71°		R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. +72°		Centre		R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71°		R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. +72°		Centre		R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71°		R.A. 16 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			
Plate 4481. 1899, May 25.		Plate 2708. 1895, June 20.		Plate 4481. 1899, May 25.		Plate 2708. 1895, June 20.		Plate 4481. 1899, May 25.		Plate 2708. 1895, June 20.		Plate 4481. 1899, May 25.		Plate 2708. 1895, June 20.		Plate 4481. 1899, May 25.			
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.		
7293	9	4.7548	16.8220	10	16.3778	4.6113	7352	8	12.0490	20.7844	11	23.4685	8.9279	7352	8	12.0490	20.7844		
7294	6	5.3000	16.4939	5	16.9410	4.3093	7353	5	13.4309	20.5033	6	24.8672	8.7136	7353	5	13.4309	20.5033		
7295	4	5.5572	16.2931	4*	17.2053	4.1234	7354	14	13.7937	20.3004	14	25.2375	8.5316	7354	14	13.7937	20.3004		
7296	4*	6.2338	16.2227	4	17.8879	4.0848	7355	4	3.9455	21.6152	6	15.3315	9.3590	7355	4	3.9455	21.6152		
7297	5	7.0792	16.5747	4*	18.7112	4.4813	7356				4	15.8394	9.7496	7356					
7298	6	7.9893	16.3757	5	19.6305	4.3258	7357	3*	4.5706	22.1465	6	15.9305	9.9216	7357	3*	4.5706	22.1465		
7299	6	8.0193	16.3157	5	19.6660	4.2662	7358				4	16.1492	9.8868	7358					
7300	10	8.2135	16.3315	12	19.8594	4.2904	7359	75§	4.9203	21.4280	84§	16.3180	9.2235	7359	75§	4.9203	21.4280		
7301	8	10.6789	16.6783	7	22.3034	4.7625	7360				4	17.0689	9.0753	7360					
7302	7	12.8390	16.1857	6*	24.4854	4.3706	7361	6	11.4891	21.1265	7	22.8944	9.2443	7361	6	11.4891	21.1265		
7303	9	13.0753	16.0911	9	24.7221	4.2915	7362	11	3.2885	23.0448	14	14.6029	10.7550	7362	11	3.2885	23.0448		
7304	21§	3.0798	17.1045	21§	14.6898	4.8083	7363	12	3.3409	23.0807	12	14.6558	10.7937	7363	12	3.3409	23.0807		
7305	26§	3.0883	17.5748	24§	14.6763	5.2797	7364	4*	3.6971	22.9245	4	15.0138	10.6558	7364	4*	3.6971	22.9245		
7306	7	4.5314	17.8134	8	16.1058	5.5900	7365	13	6.5064	22.7155	13	17.8386	10.5846	7365	13	6.5064	22.7155		
7307	4	5.7605	17.5281	4	17.3500	5.3667	7366	8	7.9028	22.9828	12	19.2204	10.9202	7366	8	7.9028	22.9828		
7308	8	7.7452	17.0345	7	19.3553	4.9682	7367	5	7.8987	22.3367	5	19.2486	10.2738	7367	5	7.8987	22.3367		
7309	4	8.0864	17.1557	4	19.6874	5.1128	7368	3*	8.5024	22.5294	4†	19.8459	10.4969	7368	3*	8.5024	22.5294		
7310	12§	8.1136	17.5538																

1 *reseau* interval represents very nearly  $5' = 61^{\circ}.4$  of R.A. at Dec.  $+71^{\circ}$ , and  $64^{\circ}.7$  at Dec.  $+72^{\circ}$ .

## ZONE + 71°.

R.A. 16 <sup>h</sup> 36 <sup>m</sup> to 16 <sup>h</sup> 48 <sup>m</sup>										R.A. 16 <sup>h</sup> 36 <sup>m</sup> to 16 <sup>h</sup> 48 <sup>m</sup> —contd.													
Centre R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. +72°					Centre R.A. 16 <sup>h</sup> 36 <sup>m</sup> Dec. +71°					R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. +72°								
Plate 4481. 1899, May 25.					Plate 4968. 1900, May 10.					Plate 4481. 1899, May 25.					Plate 4968. 1900, May 10.								
No.	Diam.	x.	y.		Diam.	x.	y.			No.	Diam.	x.	y.		Diam.	x.	y.						
										B. D.													
										No.	Mag.											No.	Mag.
7407	33§	20°9898	13°9918	28§	9°4173	2°0260	71° 806	9'1		7466	16	20°1339	22°7721	11	8°9680	10°8359	°	m.					
7408	6	14°9525	14°4314							7467	8	23°3815	22°5147	9	12°1988	10°4271							
7409	9	15°6449	14°9412							7468	13	23°9573	22°1822	8	12°7578	10°0698							
7410	10	20°3832	14°6434	3†	8°8416	2°7056				7469	25	24°0608	22°3175	16	12°8662	10°2022							
7411	22§	20°5982	14°0233	17	9°0268	2°0756				7470	6	14°2805	23°8536	4	3°1708	12°1921							
7412	3	23°9186	14°1396							7471	46§	16°9145	23°7668	39§	5°7993	11°9813	71 804	8°7					
7413	11	18°9082	15°4554	6	7°4039	3°5836				7472	6	17°2252	23°6549	3	6°1037	11°8535							
7414	5	19°9020	15°2554							7473	4	19°7359	23°7840	4	8°6183	11°8667							
7415	4	21°2890	15°9522							7474	4	22°6748	23°9015	3*	11°5609	11°8462							
7416	16	23°9570	15°4849	7	12°4491	3°3829				7475	19	22°9692	23°5678	15§	11°8343	11°5015							
7417	15	15°2443	16°1065	9	3°7779	4°4060				7476	5*	23°5551	23°6747	5	12°4231	11°5782							
7418	6	16°8374	16°4541	4*	5°3810	4°6767				7477	8	14°9190	24°1636	5	3°8216	12°4718							
7419	10	19°1003	16°4242	6	7°6403	4°5447				7478	5	18°5489	24°9825	3*	7°4870	13°1183							
7420	7	19°7739	16°0776	4*	8°2985	4°1648				7479	6	19°3313	24°6084	4	8°2503	12°7051							
7421	4	22°6119	16°1115							7480	24§	19°4549	24°0776	15	8°3490	12°1754							
7422	6	14°7998	17°5837							7481	17	23°4267	24°6965	15	12°3480	12°6093							
7423	30§	15°4560	17°8492	30	4°0678	6°1362	71 803	9'3		7482	22	25°1052	24°1041	19	13°9940	11°9360							
7424	6	16°3978	17°6032							7483	7	15°4600	25°5873	5†	4°4315	13°8670							
7425	24§	18°9790	17°6033	22§	7°5739	5°7259	71 805	9'5		7484	14	17°0846	25°1667	10	6°0333	13°3723							
7426	4	21°0768	17°7801	3*	9°6772	5°8051				7485	5	18°2645	25°6737	3†	7°2355	13°8204							
7427	4	21°3666	17°8743	3*	9°9698	5°8868				7486	7	18°8695	25°6588	5	7°8381	13°7799							
7428	26§	22°2252	17°2047	23§	10°7992	5°1812				7487	23	20°4769	25°6759	16	9°4456	13°7219							
7429	5	22°6062	17°2230	3*	11°1810	5°1779				7488	10	22°6184	25°3001	9	11°5666	13°2484							
7430	40§	23°2663	17°4241	32	11°8484	5°3503	71 809	9'4		7489	7	22°9260	25°1748	5	11°8687	13°1063							
7431	25§	23°4985	17°6480	18§	12°0931	5°5627				7490	41§	23°0730	25°6009	24§	12°0348	13°5282	72 750	9'3					
7432	7	14°3246	18°7464	4*	2°9793	7°0853				7491	64§	23°2256	25°3039	45§	12°1727	13°2217	72 751	8°2					
7433	4	18°2016	18°9609	3*	6°8602	7°1195																	
7434	12	20°7879	18°9993	10*	9°4452	7°0378								29§	2°6842	13°1251	71 801	9'4					
7435	6	23°2913	18°6902	7	11°9303	6°6157																	
7436	8	25°1308	18°9978	7	13°7824	6°8351																	
7437	8	14°1447	19°4474	5*	2°8322	7°7952																	
7438	17	18°5177	19°2951	10	7°1904	7°4367																	
7439	15	21°4614	19°8707	8	10°1594	7°8759																	
7440	25§	21°7520	19°8276	18§	10°4487	7°8206	71 808	9'5															
7441	3	22°7502	19°7864	3*	11°4383	7°7306				7492	10	13°5143	13°9855				°	m.					
7442	7	15°2830	20°9788	4*	4°0434	9°2698				7493	14	3°0498	14°3896	7	14°8094	2°2101							
7443	7	15°6972	20°5686	4	4°4367	8°8407				7494	7	3°1705	14°8942										
7444	9	15°8595	21°0045	5	4°6185	9°2697				7495	4	3°7372	14°9402										
7445	8	16°6535	20°6417	4*	5°3932	8°8721				7496	7	5°7729	14°9475										
7446	3	19°9893	20°2831							7497	21§	7°8897	14°0544	14	19°6607	2°1113							
7447	6	21°2613	20°0398	4*	9°9663	8°0573				7498	4	10°3002	14°8273										
7448	22	21°5450	20°6856	16	10°2808	8°6902	71 807	9'4		7499	36§	12°0410	14°7741	33	23°7755	3°0330	71 815	9'2					
7449	8	21°9485	20°9512	6	10°6970	8°9332				7500	19	12°1033	14°4320	8*	23°8478	2°7003							
7450	4	23°1479	20°9845	4†	11°8941	8°9086				7501	5	12°1508	14°8612										
7451	5	23°6108	20°6370	4	12°3381	8°5378				7502	8	13°3038	14°5836										
7452	4*	24°8260	20°6459	4	13°5559	8°4960				7503	14	13°5793	14°5871	9*	25°3156	2°9218							
7453				3	13°9520	8°1668				7504	8	4°2723	15°4187	4*	15°9811	3°2962							
7454	21§	15°1824	21°6560	18	3°9727	9°9537	71 802	9'5		7505	37§	4°4765	15°9748	27§	16°1597	3°8635							
7455	5	16°3642	21°6735	3*	5°1525	9°9151				7506	60§	5°3911	15°2467	43§	17°1080	3°1820	71 810	8°0					
7456	20§	17°4186	21°0055	16	6°1717	9°1982				7507	4	7°2814	15°2970	3*	18°9911	3°3230							
7457	9	17°9725	21°2753	7	6°7405	9°4440				7508	6	12°6594	15°6064										
7458	4	18°9287	21°0606	3*	7°6819	9°1849				7509	5	6°9895	16°1762										
7459	5	20°2392	21°1852							7510	40§	7°9403	16°7996	31§	19°5800	4°8585	71 813	9'2					
7460	14	21°3070	21°0730	11	10°0606	9°0849				7511	7	10°3702	16°2682										
7461	4	21°8592	21°5526	3	10°6308	9°5432				7512	5	10°5780	16°5611										
7462	20§	15°0130	22°6222	18	3°8469	10°9252				7513	18§	10°7697	16°7067	13	22°4100	4°9042							
7463	4	15°8397	22°3024							7514	5	12°4280	16°6264										
7464	4	16°0939	22°7240							7515	5	13°3585	16°8994										
7465	5	16°6419	22°4420	4	5°4666	10°6683				7516	9	2°5859	17°6703	4*	14°1867	5°4633							

1 réseau interval represents very nearly 5' = 61°.4 of R.A. at Dec. +71° and 64°.7 at Dec. +72°.



## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>									R.A. 16 <sup>h</sup> 48 <sup>m</sup> to 17 <sup>h</sup> 0 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 16 <sup>h</sup> 48 <sup>m</sup> Dec. +72°										
Plate 4023. 1898, June 7.			Plate 4968. 1900, May 10.			Plate 4023. 1898, June 7.			Plate 4968. 1900, May 10.			Plate 4023. 1898, June 7.			Plate 4968. 1900, May 10.										
7517	5	4.6419	17.0523						7576	5	11.7587	22.0225	3*	23.1352	10.2585										
7518	10	4.7142	17.8339	6	16.3058	5.7322			7577	13	3.6716	23.5140	7	14.9883	11.3534										
7519	4	6.9715	17.8087						7578	26	3.8024	23.4110	10	15.1214	11.2575										
7520	4	9.2386	17.7465						7579	9	4.1318	23.6661	5	15.4396	11.5280										
7521	15§	10.6102	17.1690	7*	22.2263	5.3564			7580	8	4.3455	23.4244	4*	15.6632	11.2960										
7522	5	12.1016	17.9168						7581	17	5.3762	23.6915	10	16.6804	11.6132										
7523	4	12.4760	17.1590						7582	25§	6.8503	23.1737	18§	18.1779	11.1678										
7524	21§	12.5001	17.8382	14	24.0828	6.1166			7583	7	9.3812	23.2540	3	20.7055	11.3727										
7525	9	6.9425	18.2445	6	18.5123	6.2495			7584	20§	10.7631	23.0758	14	22.0902	11.2628										
7526	5	7.7541	18.9790						7585	13	11.6591	23.9608	9	22.9411	12.1931										
7527	5	8.0598	18.6564						7586	29§	11.6701	23.0971	21§	22.9978	11.3276										
7528	8	8.9808	18.8777	6	20.5159	6.9830			7587	5	12.7373	23.5068													
7529	12	10.9873	18.8645	5*	22.5201	7.0660			7588	43§	3.1820	24.5144	21§	14.4508	12.3285										
7530	43§	12.0708	18.9165	34§	23.6007	7.1726	71	816	7589	23	3.9093	24.9693	13	15.1515	12.8169										
7531	13	3.9238	19.2069	7	15.4486	7.0650			7590	6	5.2540	24.9453	4*	16.4968	12.8608										
7532	4	4.4679	19.5999						7591	20	8.8523	24.5442	12	20.1108	12.6360										
7533	4	4.5696	19.6076	3*	16.0747	7.4977			7592	20§	9.2127	24.4587	14	20.4739	12.5680										
7534	6	5.9935	19.6308	4	17.4934	7.5906			7593	41§	10.2415	24.9041	26§	21.4823	13.0619	72	760								
7535	64§	7.1166	19.4448	42§	18.6270	7.4593	71	812	7594	6	11.2296	24.4007	3*	22.4896	12.6081		9.4								
7536	5	7.8992	19.7579	3*	19.3916	7.8077			7595	5	11.9763	24.4612													
7537	12	10.5242	19.4433	6	22.0288	7.6241			7596	21§	13.4303	24.0165	15	24.7092	12.3328										
7538	10	10.6919	19.4357	4*	22.1996	7.6238			7597	8	3.3204	25.0646	4	14.5586	12.8863										
7539	4	10.9605	19.4857						7598	12	3.9475	25.7203	6	15.1525	13.5739										
7540	17	11.5617	19.6103	9	23.0580	7.8400			7599	10	6.2017	25.4357	4*	17.4206	13.3953										
7541	7	12.2158	19.4138						7600	7	7.9007	25.5109	4	19.1123	13.5511										
7542	4	12.8695	19.1617						7601	9	7.9071	25.0860	5	19.1403	13.1322										
7543	8	13.1198	19.4111						7602	24§	7.9098	25.4451	17§	19.1271	13.4891										
7544	5	13.2339	19.0205						7603	11	8.1093	25.5054	6	19.3185	13.5617										
7545	21§	13.8646	19.9048	13	25.3454	8.2494			7604	12	8.9100	25.2521	6	20.1352	13.3453										
7546	23§	5.2247	20.5058	14	16.6863	8.4248							44§	25.6605	5.2475	71	818								
7547	15§	5.5249	20.2466	7	16.9985	8.1836											8.9								
7548	9	6.0133	20.5179	5	17.4724	8.4753			R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup>																
7549	15	10.1755	20.3294	10	21.6360	8.4920			Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 17 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. +71°										
7550	7	11.3267	20.5267						Plate 4023. 1898, June 7.			Plate 2717. 1895, June 24.			Plate 4023. 1898, June 7.										
7551	6	13.1144	20.3154						7605	4	17.9026	14.6498	3*	6.1111	2.7028										
7552	5	13.1746	20.9142						7606	57§	17.9101	14.0238	44§	6.0834	2.0812	71	821								
7553	9	3.9598	21.2228	4	15.3848	9.0773			7607	5	18.7563	14.5477	4*	6.9561	2.5547		8.1								
7554	12	6.8276	21.9473	7	18.2153	9.9443			7608	12	19.7389	14.1545	6	7.9152	2.1103										
7555	30§	6.9339	21.9850	21§	18.3205	9.9853	71	811	7609	11	19.8275	14.8481	7†	8.0418	2.7951										
7556	5	7.0098	21.3162	4	18.4266	9.3224			7610	14	23.4171	14.5954	8	11.6155	2.3500										
7557	9	7.1233	21.1493	6	18.5493	9.1628			7611	9	24.3502	14.9725	8	12.5651	2.6780										
7558	19	8.0093	21.3037	13	19.4262	9.3592			7612	4	14.6477	15.5749													
7559	17§	8.0965	21.4986	8	19.5039	9.5576			7613	4†	16.6878	15.4058													
7560	5	8.7707	21.8847						7614	8	20.1770	15.9550	6	8.4518	3.8860										
7561	20§	9.6225	21.2050	10	21.0425	9.3390			7615	8	21.5507	15.7386	6	9.8120	3.5951										
7562	22§	9.7698	21.6250	13	21.1703	9.7656			7616	5	22.2218	15.3065													
7563	4	9.9069	21.4427						7617	37§	23.4604	15.7249	23§	11.7174	3.4776										
7564	12	10.8856	21.2865	6	22.3009	9.4810			7618	37§	23.5335	15.7580	25§	11.7923	3.5078	71	828								
7565	6	11.8077	21.4468						7619	45§	14.0313	16.8933	41§	2.3642	5.1510	71	818								
7566	72§	12.7089	21.2935	59§	24.1205	9.5770	71	817	7620	22§	14.0859	16.8405	18	2.4170	5.0945		8.9								
7567	7	4.0831	22.9690	3	15.4245	10.8312			7621	15§	14.8961	16.6411	10	3.2170	4.8523										
7568	6	7.0403	22.5234	3*	18.3993	10.5279			7622	14	15.5969	16.8568	9*	3.9254	5.0324										
7569	14	7.4104	22.6734	6	18.7619	10.6954			7623	5*	16.4723	16.6822	4*	4.7916	4.8045										
7570	15§	9.0050	22.7931	9	20.3476	10.8942			7624	4	17.5541	16.0165	3*	5.8406	4.0889										
7571	7	9.2303	22.3099	4	20.5995	10.4262			7625	66§	17.9898	16.3835	47§	6.2923	4.4287	71	822								
7572	14§	9.2498	22.3996	4	20.6122	10.5138			7626	7	18.2071	16.9290					7.5								
7573	9	9.8747	22.9783	5	21.2086	11.1217																			
7574	27§	10.2201	22.0883	20	21.5980	10.2516																			
7575	40§	11.4693	22.3235	25§	22.8328	10.5453	71	814																	

1 réseau interval represents very nearly 5' = 61.4 at Dec. +71°, and 64.7 at Dec. +72°.

## ZONE + 71°.

R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 0 <sup>m</sup> to 17 <sup>h</sup> 12 <sup>m</sup> —contd.						
Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°							Centre R.A. 17 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°						
Plate 4023. 1898, June 7.							Plate 4023. 1898, June 7.						
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .
B. D.							B. D.						
No.							No.						
Mag.							Mag.						
7627	4	18°2693	16°7315				7686	9	16°3389	24°7557	5	5°0935	12°8755
7628	44§	21°0780	16°1537	31§	9°3610	4°0325	7687	12	18°3205	24°1997	6	7°0435	12°2169
7629	10	23°1551	16°5467	6	11°4573	4°3133	7688	5	18°4207	24°2264	4†	7°1453	12°2368
7630	6*	25°2824	16°4958	4*	13°5765	4°1463	7689	5*	18°7771	24°1139	3*	7°4933	12°1059
7631	8	15°2922	17°3860	6	3°6534	5°5767	7690	43§	19°4645	24°8216	31§	8°2189	12°7772
7632	9	15°6182	17°5154	6†	3°9822	5°6856	7691	15	19°9198	24°5505	9	8°6586	12°4809
7633	12	16°6211	17°2928	7	4°9718	5°4113	7692	4*	22°7190	24°3348	3*	11°4385	12°1141
7634	11	17°2767	17°3526	8	5°6306	5°4347	7693	17	16°4657	25°5146	12	5°2587	13°6298
7635	4	17°5227	17°1791	4*	5°8677	5°2488	7694	7*	18°1008	25°7684			
7636	5	22°1777	17°3344	5†	10°5235	5°1527	7695	17	18°4287	25°7472	10	7°2340	13°7580
7637	8	22°8714	17°4096	5	11°2198	5°1944	7696	11	22°9745	25°1473	7	11°7393	12°9095
7638	5	23°1554	17°4665	4†	11°5091	5°2308	7697	9*	23°7113	25°4331	4	12°4889	13°1573
7639	6	23°3163	17°1073	5	11°6475	4°8650	7698	75§	24°0982	26°1664	44§	12°9143	13°8693
7640	10	24°5106	17°8832	6	12°8838	5°5745	7699				4	13°7140	13°3782
7641	18	25°4872	17°9616	10	13°8638	5°6024					32§	4°9823	1°8343
7642	9	14°6901	18°1076	5	3°0876	6°3296					49§	6°4996	1°6758
7643	24§	15°8894	18°0490	21	4°2826	6°2067					56§	1°2848	9°6176
7644	5*	20°0563	18°0353	5	8°4417	5°9700							
7645	20§	20°9853	18°0765	12	9°3729	5°9596							
7646	4*	21°3398	18°9443	4*	9°7775	6°8033							
7647	5†	22°6082	18°2627										
7648	32§	25°5163	18°2467	17	13°9073	5°8856							
7649	15§	14°3195	19°1395	10	2°7744	7°3797							
7650	5	14°9570	19°0380										
7651	22§	16°5705	19°1529	15	5°0213	7°2713							
7652	4*	19°4510	19°0838	3*	7°8967	7°0474							
7653	5*	21°2553	19°4448										
7654	5*	21°5593	19°9868	4†	10°0478	7°8255							
7655	41§	23°3689	19°4193	23§	11°8248	7°1717							
7656	7	15°1389	20°6770	5*	3°6767	8°8730							
7657	7	17°2441	20°5534	6	5°7715	8°6324							
7658	5	19°1565	20°8840	4*	7°6990	8°8584							
7659	5†	20°1293	20°8639										
7660	33§	20°6546	20°0458	24§	9°1495	7°9398							
7661	6	23°5793	20°7918	4	12°1073	8°5324							
7662	25§	14°1666	21°2689	16	2°7358	9°5151							
7663	5	15°6066	21°4965	3*	4°1853	9°6658							
7664	5	19°4302	21°3542										
7665	23§	20°5510	21°0567	13	9°1023	8°9588							
7666	5	20°6312	21°1926	4†	9°1850	9°0896							
7667	13	21°2086	21°8355	6	9°7976	9°7004							
7668	7	21°5656	21°5941	4	10°1422	9°4386							
7669	20	23°5485	21°9016	11	12°1379	9°6426							
7670	8	24°9298	20°9938	6	13°4673	8°6585							
7671	10	15°5625	22°3145	7	4°1858	10°4822							
7672	22§	15°9900	22°2828	15§	4°6133	10°4276							
7673	27§	16°3080	22°3229	22§	4°9313	10°4507							
7674	16§	18°0175	22°2960	9	6°6362	10°3309							
7675	6	18°7434	22°9576	5	7°3977	10°9539							
7676	12	21°8087	22°5371	6	10°4343	10°3677							
7677	14	23°6810	22°3466	6	12°2937	10°0798							
7678	7	16°2194	23°7758	6	4°9212	11°9031							
7679	25§	18°0113	23°8203	19§	6°7141	11°8524							
7680	9	18°7867	23°2966	5	7°4604	11°2892							
7681	10	19°2073	23°2744	6	7°8773	11°2425							
7682	7	19°4825	23°5329	4	8°1675	11°4870							
7683	23§	20°7530	23°7172	12	9°4466	11°6034							
7684	22§	14°0997	24°8833	13	2°8651	13°1246							
7685	4*	15°0823	24°7340	4*	3°8386	12°9263							
71 827 9°0							71 824 8°8						
71 829 9°4							71 825 9°5						
71 826 9°5							71 825 9°5						
71 825 9°5							71 825 9°5						
71 819 9°5							71 831 8°5						
71 819 9°5							71 833 9°5						
71 819 9°5							71 838 9°5						

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71°, and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 17 <sup>h</sup> 12 <sup>m</sup> to 17 <sup>h</sup> 24 <sup>m</sup> —contd.									R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 36 <sup>m</sup> —contd.																
Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 17 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°			Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 17 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 17 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°										
Plate 2704. 1895, June 19.			Plate 2717. 1895, June 24.			Plate 2704. 1895, June 19.			Plate 2678. 1895, June 12.			Plate 2704. 1895, June 19.			Plate 2678. 1895, June 12.										
7735	4	8.1789	19.6815	5	19.5948	7.6465	°	m.	7785	6	15.6802	18.5274	5	4.3275	6.7456	°	m.								
7736	6	10.3966	19.7494	7	21.8092	7.8205			7786	4	15.9670	18.4403	5	4.6102	6.6436										
7737				4	16.6509	8.6963			7787	42§	20.8096	18.1260	48§	9.4321	6.0864	71	845								
7738				4	17.3731	8.5189			7788	5*	18.6934	19.2466	4*	7.3766	7.3139										
7739				5	18.3688	8.5562			7789	12	18.8343	19.6708	15§	7.5394	7.7283										
7740	10	11.2529	20.4012	14	22.6330	8.5140			7790	9	18.9970	19.5631	12	7.6936	7.6125										
7741	6	11.8880	20.1127	8	23.2811	8.2570			7791				4	13.6829	7.2570										
7742	8	12.3992	20.6890	14	23.7620	8.8552			7792	4*	25.2310	19.4406	7	13.9118	7.1781										
7743	12	3.8779	21.4117	15	15.2157	9.1624			7793				4	12.4414	8.0036										
7744	21§	4.3790	21.5049	22§	15.7104	9.2797	71	832	7794	12	15.3534	21.6026	12	4.1565	9.8336										
7745	3†	6.7626	21.5124	4	18.0916	9.4046		9.4	7795	16	16.6259	21.8269	17	5.4385	9.9925	71	843								
7746	19§	7.6319	21.3782	21§	18.9683	9.3129	71	834	7796	5†	21.5308	21.7613	5	10.3353	9.6848										
7747	21§	9.3181	21.6644	21§	20.6374	9.6810	71	837	7797	36§	23.2569	21.9161	38§	12.0663	9.7510	71	847								
7748	12	12.1306	21.4361	16	23.4566	9.5901			7798	15	24.0957	21.8296	16	12.9004	9.6241										
7749	3†	12.6445	21.4892	6	23.9676	9.6659			7799	4	14.2156	22.1002	3*	3.0463	10.3884										
7750	3*	8.2665	22.1604	5	19.5609	10.1255			7800	24§	14.6097	22.7279	33§	3.4702	10.9933	71	840								
7751	38§	8.4490	22.4601	42§	19.7293	10.4333	71	836	7801	4	15.9713	22.2212	5	4.8050	10.4233										
7752	7	9.4640	22.0825	9	20.7615	10.1046			7802	5	17.8936	22.4288	7	6.7350	10.5312										
7753	3*	12.7557	22.8349	5	24.0160	11.0160			7803	9	20.7010	22.8973	13	9.5636	10.8606										
7754	16	13.2065	22.4578	21	24.4811	10.6638			7804	4*	20.8735	23.4833	4	9.7636	11.4343										
7755	4	13.3981	22.0665	6	24.6934	10.2808			7805	5	14.1322	23.8162	4*	3.0473	12.1055										
7756				4	14.0383	11.2649			7806	12	15.4774	24.7201	16	4.4352	12.9392										
7757	5	5.9530	23.3145	8	17.1895	11.1681			7807	4	15.8933	24.4837	6	4.8407	12.6793										
7758	6	10.1737	23.3978	10	21.4061	11.4560			7808	6	20.8256	24.3866	11	9.7611	12.3398										
7759	4*	11.3505	23.0501	8	22.5997	11.1648			7809				6	10.3061	12.9303										
7760				5	23.6219	11.5360			7810	42§	14.8195	25.4153	51§	3.8150	13.6665	71	841								
7761	10	4.6419	24.5935	10	15.8235	12.3758			7811	3*	17.6085	24.9898	4*	6.5780	13.1023										
7762	3*	5.7470	24.6329	6*	16.9230	12.4721			7812	5	19.8111	25.3160	8	8.7952	13.3212										
7763	52§	8.1956	24.7770	65§	19.3621	12.7340	71	835	7813	25	23.9198	25.4661	24§	12.9033	13.2643	71	849								
7764	10	10.0110	24.4003	15	21.1972	12.4557																			
7765	4	12.9590	24.6375	6	24.1258	12.8277							61§	6.8287	1.6270	70	930								
7766	9	4.0433	25.5693	14	15.1772	13.3234																			
7767				5	15.3415	13.0983																			
				43§	25.8707	11.0040	71	840	R.A. 17 <sup>h</sup> 36 <sup>m</sup> to 17 <sup>h</sup> 48 <sup>m</sup>																
				59§	25.9495	13.6948	71	841	Centre R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°			R.A. 17 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. + 71°										
									Plate 2705. 1895, June 19.			Plate 2678. 1895, June 12.			Plate 2705. 1895, June 19.										
									7814	9	2.8823	14.8283	9	14.7183	2.5387	°	m.								
									7815	29§	6.9620	14.4809	44§	18.8076	2.3929	71	852								
									7816	4	13.2758	14.3517					9.0								
									7817	8	13.9493	14.6853													
									7818	5	5.2763	15.1162	4*	17.0910	2.9423										
									7819	4	12.3048	15.1549													
									7820	6	12.7258	15.0170													
									7821	8	3.2464	16.4696	7	15.0013	4.1958										
									7822	5	9.0207	16.7229	4*	20.7526	4.7321										
									7823	22§	11.7741	16.7000	33	23.5047	4.8486	71	855								
									7824	7	2.3160	17.3302	8	14.0245	5.0078		9.2								
									7825	11	6.6020	17.1083	13	18.3169	4.9978										
									7826	24§	8.0515	17.3483	30§	19.7536	5.3098										
									7827	4	9.6869	17.2386													
									7828	7	11.6852	17.6803	4*	23.3692	5.8217										
									7829	9	13.5174	17.2420	13†	25.2217	5.4756										
									7830	6	2.8094	18.8001	8	14.4465	6.5031										
									7831	16	3.5407	18.4716	17	15.1955	6.2082										
									7832	3*	3.5489	18.3634	4*	15.2095	6.0989										
									7833	7	4.2923	18.0892	6	15.9655	5.8617										
									7834	7	5.9090	18.8114	8*	17.5428	6.6688										
									7835	26§	6.3945	18.5537	31§	18.0403	6.4328	71	851								
																	9.0								
R.A. 17 <sup>h</sup> 24 <sup>m</sup> to 17 <sup>h</sup> 36 <sup>m</sup>																									
Centre R.A. 17 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 17 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°																						
Plate 2704. 1895, June 19.			Plate 2678. 1895, June 12.																						
7768	17§	14.8135	14.4335	26	3.2577	2.6991	°	m.																	
7769	6	21.7658	15.4359	5	10.2516	3.3507																			
7770	5	23.9103	15.8414	7	12.4137	3.6499																			
7771	8	15.3814	16.5435	11	3.9343	4.7760																			
7772	4	17.8215	16.5548	3†	6.3700	4.6678																			
7773	14	20.9162	16.2378	16	9.4453	4.1947																			
7774	7	23.3095	16.7001	9	11.8584	4.5394																			
7775	7	23.4867	17.1286	10	12.0603	4.9540																			
7776	4*	23.7784	17.0577	4	12.3440	4.8672																			
7777	5	23.8466	16.9395	6	12.4056	4.7475																			
7778	27§	24.2397	17.0557	27§	12.8056	4.8441	71	848																	
7779	20§	15.8552	17.0060	30	4.4287	5.2174	71	842																	
7780	24§	19.0815	17.3490	34§	7.6669	5.3997	71	844																	
7781	5	19.9218	17.2425	6	8.5008	5.2520																			
7782	43§	22.5224	17.8651	42§	11.1313	5.7399	71	846																	
7783	5	24.2517	17.5391	5	12.8408	5.3288																			

ZONE + 71°.

R.A. 17 <sup>h</sup> 36 <sup>m</sup> to 17 <sup>h</sup> 48 <sup>m</sup> —contd.							R.A. 17 <sup>h</sup> 48 <sup>m</sup> to 18 <sup>h</sup> 0 <sup>m</sup> —contd.						
Centre		R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. +71°		R.A. 17 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			Centre		R.A. 17 <sup>h</sup> 48 <sup>m</sup> Dec. +71°		R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. +72°		
Plate 2705. 1895, June 19.		Plate 2678. 1895, June 12.					Plate 2705. 1835, June 19.		Plate 1204. 1893, June 17.				
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.
							B. D.						
							No.	Mag.					
7836	7	8.1430	18.5641	5*	19.7817	6.5321	7887	8	17.3069	19.5560	12	5.8164	7.7322
7837	15	11.7524	18.1511	20	23.4104	6.2956	7888	4	18.1658	19.1065	4*	6.6508	7.2387
7838	5	6.0563	19.1699	4*	17.6660	7.0327	7889	5	19.2783	19.5235	5	7.7831	7.5985
7839	5*	8.0355	19.7228	4*	19.6217	7.6782	7890	4	23.1890	19.7952	4†	11.7027	7.6734
7840	9	9.9294	19.8648	10	21.5065	7.9165	7891	16	23.2423	19.5342	14	11.7432	7.4067
7841	7	4.0680	20.8378	11	15.6031	8.5971	7892	4	18.5867	20.9930	4	7.1658	9.1021
7842	11	5.8599	20.1893	14	17.4234	8.0390	7893	7	21.7897	20.6561	7	10.3479	8.6056
7843	9	5.9041	20.9533	12	17.4290	8.8049	7894	3*	23.6468	20.9420	4	12.2176	8.7918
7844	10	7.9401	20.5209	12	19.4854	8.4742	7895	7*	24.2720	20.2833	8	12.8081	8.1040
7845	38§	9.1507	20.6525	45§	20.6872	8.6653	7896	5*	24.4299	20.5579	5	12.9805	8.3706
7846	5†	6.8871	21.6298	5*	18.3801	9.5281	7897	8	14.1655	21.4224	8†	2.7720	9.7509
7847	5	10.0563	21.4800	3*	21.5516	9.5401	7898	11	15.6544	21.5654	11	4.2655	9.8242
7848	9	10.2574	21.0945	10	21.7733	9.1584	7899	9	21.1152	21.6032	10	9.7206	9.5836
7849	10	11.1732	21.3530	11	22.6723	9.4650	7900	4*	23.7958	21.6169	4	12.3999	9.4604
7850	16	12.6888	21.7648	17	24.1674	9.9493	7901	24§	24.8066	21.2702	24§	13.3935	9.0650
7851	8	4.8907	22.4973	8	16.3420	10.2975	7902	4	16.2118	21.8317	5†	4.8381	10.0588
7852	17	4.9741	22.8024	17	16.4131	10.6078	7903	5†	17.1466	22.6069	4	5.8114	10.7866
7853	11	5.1453	22.8025	12	16.5809	10.6168	7904	4*	17.8273	21.9405	4	6.4562	10.0855
7854	5*	8.0575	22.9834	4*	19.4812	10.9407	7905	3*	17.8699	22.2385	4*	6.5138	10.3810
7855	27§	9.6018	22.4551	32§	21.1400	10.4930	7906	4*	19.5232	22.5312	4*	8.1788	10.5897
7856	4*	9.8050	23.7499	3*	21.1879	11.7936	7907	14	21.8506	22.7187	17	10.5131	10.6624
7857	8	11.3304	23.4230	9	22.7277	11.5402	7908	8	17.1155	23.0300	7	5.7993	11.2124
7858	3*	5.5356	24.0689	4*	16.9041	11.9004	7909	23§	14.0810	24.6082	25§	2.8467	12.9403
7859	5*	6.5298	24.8446	6†	17.8619	12.7226	7910	4*	15.8767	24.7133	4†	4.6467	12.9543
7860	10†	9.0882	24.9752	10	20.4130	12.9785	7911	11	15.9785	24.4061	14	4.7326	12.6426
7861	11	10.2060	24.2251	9	21.5644	12.2849	7912	4*	18.6565	24.1534	4†	7.3968	12.2550
7862	8	10.5343	24.0210	8	21.9025	12.0974	7913	25§	21.0816	24.1526	24§	9.8171	12.1331
7863	7	10.8149	24.1692	6	22.1755	12.2578	7914	8*	22.8861	24.1148	9	11.6179	12.0030
7864	6†	11.8127	24.3781	6*	23.1622	12.5188	7915	25§	14.4747	25.5095	25§	3.2862	13.8173
7865	45§	4.5697	25.3785	38§	15.8774	13.1588	7916	9	17.6821	25.2355	11	6.4753	13.3870
7866	10	6.6906	25.0915	8	18.0105	12.9773	7917	3*	18.6932	25.0250	4	7.4759	13.1220
7867	4*	8.2320	25.6209	3	19.5243	13.5824	7918	8*	22.1704	25.7030	7*	10.9833	13.6279
							7919	11	23.1262	25.0946	11	11.9064	12.9660
							7920	22	24.2766	25.3815	20	13.0693	13.1978
							7921	7*	24.9447	26.1629	9	13.7766	13.9461

1 réseau interval represents very nearly  $5' = 61^s.4$  of R.A. at Dec.  $+71^\circ$ , and  $64^s.7$  at Dec.  $+72^\circ$ .



## ZONE + 71°.

R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 12 <sup>m</sup> —contd.									R.A. 18 <sup>h</sup> 0 <sup>m</sup> to 18 <sup>h</sup> 12 <sup>m</sup> —contd.																
Centre R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. +72°						Centre R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 18 <sup>h</sup> 0 <sup>m</sup> Dec. +72°													
Plate 2718. 1895, June 24.			Plate 1204. 1893, June 17.						Plate 2718. 1895, June 24.			Plate 1204. 1893, June 17.													
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
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No. 8024.  $\phi$  Draconis.

1 réseau interval represents very nearly 5' = 61.54 of R.A. at Dec. + 71° and 64.77 at Dec. + 72°.

## ZONE + 71°.

R.A. 18 <sup>h</sup> 12 <sup>m</sup> to 18 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 18 <sup>h</sup> 24 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 18 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2718. 1895, June 24.				R.A. 18 <sup>h</sup> 24 <sup>m</sup> Dec. + 72° Plate 2721. 1895, June 24.				Centre R.A. 18 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1241. 1893, June 27.				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 2721. 1895, June 24.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
8045	4	20°5930	21°9140					8097	34§	11°8719	20°4595	26§	23°2556	8°5765	
8046	7	20°8231	21°6394	4*	9°4583	9°6067		8098	17	12°0095	20°9185	7*	23°3693	9°0404	
8047	25§	25°0921	21°8522	13	13°7365	9°6101	71 890 9°5	8099	13	12°5335	20°6162	5†	23°9070	8°7627	
8048	15	14°2874	22°8240	7*	2°9968	11°1194		8100	9	13°1238	20°6667				
8049	19	21°4794	22°9120	11	10°1815	10°8473		8101	24§	6°5603	21°9348	13	17°8737	9°7835	
8050	6	21°6497	22°0580	4*	10°3111	9°9849		8102	13	7°3686	21°5904	6	18°7002	9°4781	
8051	9	23°2028	22°1071					8103	11	9°0490	21°9506	4	20°3630	9°9242	
8052	12	24°3922	22°8990	8	13°0880	10°6864		8104	11	9°3869	21°8777	4	20°7036	9°8702	
8053	22§	14°8508	23°8109	20	3°6045	12°0791	71 879 9°5	8105	9	10°3131	21°3035				
8054	4	15°0992	23°6645	3*	3°8478	11°9169		8106	10	11°3185	21°7759	5	22°6371	9°8660	
8055	23§	20°0158	23°3793	15	8°7427	11°3895		8107	80§	5°9645	22°1049	64§	17°2710	9°9258	71 894 7°5
8056	27§	20°4496	23°6194	21§	9°1899	11°6078	71 883 9°5	8108	6	6°5273	22°7758				
8057	6	21°8877	23°2167	4	10°6064	11°1315		8109	13	6°8273	22°0483	6	18°1318	9°9088	
8058	26§	17°8348	24°8221	20	6°6365	12°9382	71 881 9°4	8110	7	6°9938	22°9513				
8059	9	23°9620	24°2898	6	12°7303	12°0980		8111	25	8°6579	22°1100	8	19°9621	10°0627	
8060	23§	15°1331	25°2669	20	3°9641	13°5174	71 880 9°5	8112	10	12°4043	22°3931	4*	23°6877	10°5342	
8061	7	18°6710	25°1467	4	7°4887	13°2197		8113	6	13°7794	22°1091				
8062	8†	22°6822	25°7190	4	11°5243	13°5897		8114	29	7°3322	23°7539	20	18°5551	11°6416	71 897 9°5
8063	10	24°3846	25°1609	9	13°1952	12°9478		8115	24	7°3731	23°2262	13	18°6212	11°1157	71 896 9°2
								8116	37§	4°8790	24°1320	21§	16°0853	11°8938	71 891 9°1
								8117	26§	5°4819	24°6954	11	16°6587	12°4865	71 892 9°4
								8118	6†	7°0456	24°7177				
								8119	5	10°7074	24°3440				
								8120	4	11°3926	24°7746				
								8121	9	12°4492	24°4310				
								8122	26	6°9440	25°0760	14	18°1015	12°9392	
												45§	26°6401	6°1359	71 901 8°5
R.A. 18 <sup>h</sup> 24 <sup>m</sup> to 18 <sup>h</sup> 36 <sup>m</sup>								R.A. 18 <sup>h</sup> 36 <sup>m</sup> to 18 <sup>h</sup> 48 <sup>m</sup>							
Centre R.A. 18 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 1241. 1893, June 27.				R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 2721. 1895, June 24.				Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71° Plate 1241. 1893, June 27.				R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. + 72° Plate 3213. 1896, July 31.			
8064	38§	3°5289	14°2655	26	15°2294	1°9700	70° 997 9°0	8123	10	14°0258	14°0833	10	2°2934	2°4110	
8065	26§	8°0008	14°2229	15	19°6999	2°1525	70 1000 9°3	8124	23§	15°5248	14°4957	28§	3°8056	2°7480	
8066	5	8°6390	14°1818					8125	6	19°2998	14°4713	7	7°5757	2°5413	
8067	11	9°8588	14°2263					8126	8	20°1651	14°1273	9	8°4252	2°1566	
8068	5	13°3573	14°4195					8127	15	20°2568	14°3154	18	8°5252	2°3413	
8069	25§	3°6566	15°4737	15	15°2999	3°1843		8128	19	21°3090	14°9587	21§	9°6074	2°9332	
8070	16	5°7693	15°8045	6	17°3915	3°6204		8129	14	21°7759	14°2126	14	10°0365	2°1654	
8071	20	6°3454	15°1181					8130	4*	22°3120	14°0549	5	10°5665	1°9830	
8072	9	11°1835	15°6587					8131	6	22°5767	14°9212	8	10°8732	2°8332	
8073	25§	12°3001	15°8785	8	23°9114	4°0238		8132	8	22°9690	14°8492	9	11°2589	2°7459	
8074	9	6°6977	16°2171	5*	18°3030	4°0753		8133	6*	23°6625	14°6339	6	11°9460	2°4979	
8075	10	7°6575	16°4895	5†	19°2433	4°4004		8134	11	24°9130	14°4252	12	13°1843	2°2269	
8076	7	12°3069	16°4301					8135	12	25°0043	14°3881	12	13°2729	2°1877	
8077	21	6°6197	17°0068	12	18°1855	4°8612		8136	5*	25°6006	14°6174	7	13°8791	2°3885	
8078	38§	5°9511	17°0921	25	17°5113	4°9148	71 895 9°3	8137	22	15°9015	15°7338	27§	4°2435	3°9668	
8079	44§	11°2408	17°1007	35§	22°7950	5°1932	71 898 9°0	8138	20	17°3525	15°3230	21§	5°6723	3°4850	
8080	63§	12°4001	17°0270	48§	23°9570	5°1755	71 899 8°8	8139	14	17°5149	15°7721	16	5°8563	3°9287	
8081	36§	13°5016	17°4264	29	25°0348	5°6283	71 900 9°5	8140	4*	17°6256	15°0989	6	5°9323	3°2509	
8082	7	3°2398	18°6662					8141	17	18°5503	14°9075	20	6°8487	3°0131	
8083	8	4°0836	18°0563	4†	15°5945	5°7861		8142	18	19°4147	15°5848	18	7°7480	3°6491	
8084	23	8°1891	18°6735	10	19°6660	6°6080		8143	32§	19°4558	15°8925	27§	7°8021	3°9523	71 903 9°5
8085	11	11°2053	18°9237	4*	22°6685	7°0053		8144	10	20°7300	15°2073	10	9°0403	3°2098	
8086	14	12°3550	18°3561	3*	23°8440	6°5036		8145	17	21°0572	15°0325	16	9°3586	3°0173	
8087	12	12°5264	18°5539					8146	48§	23°3056	15°7026	35§	11°6376	3°5822	71 908 9°0
8088	5	4°0472	19°7524												
8089	33§	5°9596	19°6875	21§	17°3854	7°5110	71 893 9°5								
8090	6	8°4882	19°2978												
8091	8	9°8715	19°2491	4	21°3166	7°2650									
8092	15	13°8814	19°5677	5	25°3058	7°7893									
8093	14	3°5344	20°4611	6	14°9283	8°1588									
8094	12	8°3623	20°0250	6*	19°7692	7°9655									
8095	16	9°6615	20°7442	7	21°0328	8°7501									
8096	6	9°8487	20°8515												

1 réseau interval represents very nearly 5' = 61°4 of R.A. at Dec. + 71° and 64°7 at Dec. + 72°.



## ZONE + 71°.

No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.		No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 18 <sup>h</sup> 36 <sup>m</sup> to 18 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>									R.A. 18 <sup>h</sup> 36 <sup>m</sup> to 18 <sup>h</sup> 48 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			Centre R.A. 18 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°			R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°										
Plate 1241. 1893, June 27.			Plate 3213. 1896, July 31.			Plate 1241. 1893, June 27.			Plate 3213. 1896, July 31.			Plate 1241. 1893, June 27.			Plate 3213. 1896, July 31.										
8147	14	23°9485	15°2129	15	12°2555	3°0613			8206	21§	14°2318	22°4624	19§	2°8946	10°7655										
8148	6	15°5565	16°6645	8	3°9453	4°9143			8207	5*	14°8203	22°0890	6	3°4651	10°3671										
8149	3*	17°6781	16°7750	6	6°0673	4°9206			8208	4*	15°3528	21°7947	6	3°9843	10°0463										
8150	15	18°1496	16°6046	16	6°5302	4°7289			8209	6	15°8461	22°2918	7	4°5005	10°5193										
8151	16	19°3999	16°7788	12	7°7857	4°8418			8210				4	4°6300	10°0892										
8152				5	11°6974	4°6771			8211	11	16°0208	22°0303	13	4°6642	10°2510										
8153	12	24°6944	16°3720	12	13°0555	4°1835			8212	6*	19°6580	22°0394	6	8°2972	10°0850										
8154	8	25°1874	17°0998	7	13°5826	4°8892			8213	17	20°6700	22°0108	15	9°3048	10°0060										
8155	14	14°5901	16°8662	19	2°9870	5°1584			8214	10	21°7738	22°5153	9	10°4314	10°4580										
8156	13	15°9008	17°4635	16	4°3269	5°6928			8215	8	22°1446	22°9218	7	10°8196	10°8483										
8157	18	16°4611	17°2894	19	4°8753	5°4929			8216	6*	22°1656	22°9784	5	10°8470	10°9050										
8158	22	17°7159	17°2668	21§	6°1269	5°4103			8217	8*	24°1451	22°9884	9	12°8209	10°8188										
8159	27§	18°2878	16°9195	24§	6°6815	5°0387	71	902	8218	6†	15°7488	23°0363	7	4°4389	11°2675										
8160				4	9°3130	5°3522			8219	19	15°9275	23°5194	17	4°6399	11°7428										
8161	41§	21°1747	17°9943	26§	9°6177	5°9715	71	905	8220	4*	17°0356	23°2882	4	5°7352	11°4596										
8162	5	23°6984	17°1939	6	12°0993	5°0510			8221				4	6°1913	11°1175										
8163	21	23°6909	17°5797	17	12°1101	5°4382			8222				5	8°5512	11°3589										
8164				5	12°7188	5°9818			8223	8	20°2701	23°6646	8	8°9858	11°6812										
8165	48§	15°1298	17°8503	43§	3°5723	6°1175	71	901	8224	4	20°5652	23°8535	6	9°2897	11°8565										
8166	7	15°2232	18°4829	11	3°6965	6°7430			8225	3†	21°0609	23°9090	4	9°7855	11°8841										
8167	19	15°5168	18°5410	22	3°9928	6°7876			8226	7	21°9281	23°4351	7	10°6323	11°3709										
8168	27§	17°0653	18°5521	23§	5°5423	6°7244			8227	3*	14°3931	23°7070	4	3°1169	12°0025										
8169	4*	19°3986	18°0629	5	7°8468	6°1242			8228	4*	16°6267	24°7169	5	5°3953	12°9062										
8170	5	20°3571	18°3448	5	8°8182	6°3636			8229	9	17°5659	24°4832	8	6°3213	12°6262										
8171	8	21°5015	18°5648	7	9°9730	6°5243			8230	7	21°6647	24°3865	8	10°4129	12°3341										
8172	49§	21°7466	18°3239	36§	10°2021	6°2759	71	907	8231				4	11°5364	12°1630										
8173	6†	22°8589	18°2915	8	11°3158	6°1887			8232	13	24°9733	24°2200	13	13°7058	12°0105										
8174	5	24°3350	19°0470	5	12°8237	6°8710			8233				4	8°0040	13°8790										
8175	10	25°3213	18°5960	9	13°7871	6°3747			8234	4*	20°0622	25°6329	6	8°8695	13°6571										
8176	4	15°3580	19°3411	6	3°8723	7°5938			8235	5*	22°6141	25°8929	6	11°4309	13°7940										
8177	7	15°9218	19°1423	8	4°4255	7°3697			8236				4	13°3355	13°9358										
8178	6	16°0968	19°2131	10	4°6009	7°4342			8237				6	13°4794	13°5344										
8179	3*	17°7359	19°0174	4	6°2321	7°1574							35§	10°9995	1°8482	70	1024	8.8							
8180	5	17°9338	19°7779	7	6°4666	7°9055			R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup>																
8181	8†	18°9727	19°5612	7	7°4948	7°6401			Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			Plate 2844. 1895, Sept. 16.										
8182	5*	20°7165	19°5153	4	9°2327	7°5139			Plate 3213. 1896, July 31.																
8183	10	22°3076	19°1209	9	10°8015	7°0454			8238	35§	6°8403	13°9878	43§	18°5097	1°9391	70	1033	9.0							
8184	12	22°3122	19°6714	10	10°8329	7°5951			8239	3*	2°4350	14°7357	11*	14°0735	2°4691										
8185	4	23°1433	19°2593	4	11°6420	7°1402			8240	3*	5°7652	14°4555	7*	17°4094	2°3536										
8186	3*	24°6101	19°7174	5	13°1291	7°5310			8241				11	17°5005	2°4803										
8187	4*	16°5136	20°5858	5	5°0848	8°7851			8242	8	6°9339	14°4849	13	18°5753	2°4409										
8188	7	17°6338	20°3034	8	6°1934	8°4481			8243	4*	8°4150	14°6251	6*	20°0491	2°6498										
8189	6	20°9930	20°4069	6	9°5500	8°3897			8244	11	8°4801	14°5830	20	20°1152	2°6092										
8190	6	21°2516	20°3269	6	9°8028	8°2974			8245	4*	2°6488	15°9785	10	14°2242	3°7231										
8191	57§	21°4360	20°6456	43§	10°0023	8°6072	71	906	8246	7†	3°3533	16°1516	16	14°9193	3°9320										
8192	6	21°7800	20°7667	6	10°3525	8°7150			8247	21§	3°9685	15°7073	29§	15°5581	3°5138										
8193	17	22°4664	20°5544	14	11°0320	8°4683			8248	6	7°5323	15°7402	14	19°1158	3°7197										
8194	31§	23°2041	20°1684	20§	11°7480	8°0465	71	909	8249	14	8°0625	15°3388	26	19°6618	3°3466										
8195				4	13°8263	8°8680			8250	3*	8°7105	15°2161	6*	20°3121	3°2584										
8196				4	5°4286	9°1124			8251	14	3°1610	16°6017	19§	14°7032	4°3674	71	910	9.5							
8197	18	19°5333	21°3044	15	8°1367	9°3591			8252				8	14°7559	4°2146										
8198	6*	21°1522	21°9899	6	9°7867	9°9655			8253	7	3°7655	16°2120	14	15°3297	4°0088										
8199	6	21°2278	21°8585	7	9°8512	9°8310			8254	7	5°1694	16°8457	16	16°7008	4°7087										
8200				5	10°2755	9°2995			8255	6	6°7405	16°5228	14	18°2865	4°4611										
8201				5	11°8445	9°3925																			
8202	9	23°9247	21°4061	8	12°5268	9°2515																			
8203	17	24°5013	22°1086	12	13°1358	9°2322																			
8204	11	24°7093	22°1510	10	13°3495	9°9603																			
8205				4	13°4589	9°1883																			

ZONE + 71°.

R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.							R.A. 18 <sup>h</sup> 48 <sup>m</sup> to 19 <sup>h</sup> 0 <sup>m</sup> —contd.										
Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 18 <sup>h</sup> 48 <sup>m</sup> Dec. +72°						
Plate 2844. 1895, Sept. 16.				Plate 3213. 1896, July 31.			Plate 2844. 1895, Sept. 16.				Plate 3213. 1896, July 31.						
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.				
B.D.							B.D.										
No. Mag.							No. Mag.										
8256	29§	7·3637	16·6671	38§	18·9003	4·6393	71° 913	9·1	8315	5	4·3326	25·2344	15	15·4531	13·0480	°	m.
8257	5*	7·9597	16·8790	10	19·4849	4·8792			8316	8*	4·6224	25·9645	16	15·7121	13·7962		
8258	104§	9·8021	15·9522	105§	21·3687	4·0468	71° 915	5·3	8317				7	17·6528	13·3561		
8259	12	11·2186	16·5903	21	22·7521	4·7501			8318				5	19·6634	13·8265		
8260	4*	11·3913	16·6243	9†	22·9236	4·7904			8319	4*	9·4335	25·1882	11	20·5508	13·2506		
8261	11	11·3831	16·0168	21	22·9461	4·1849			8320	4*	9·7445	25·8281	12	20·8322	13·9068		
8262				7	15·7807	5·0755			8321	7	10·0810	25·2367	17	21·1974	13·3323		
8263	4*	7·1072	17·3360	5*	18·6091	5·2967			8322				5	22·8411	13·1581		
8264	11	9·9432	16·9505	18	21·4625	5·0471			8323	4*	11·7965	25·4640	9	22·9000	13·6405		
8265	7	10·9835	17·1346	14	22·4905	5·2817							72§	26·8756	6·7016	71° 923	8·3
8266	3*	4·7539	18·2245	7	16·2174	6·0665											
8267	14	7·2895	18·4719	19	18·7389	6·4383											
8268	21§	10·3294	18·3577	30§	21·7784	6·4744	71° 916	9·5									
8269	5*	10·4237	18·5744	9	21·8642	6·6934											
8270	11	11·7384	18·2055	21	23·1961	6·3881											
8271	9	4·8471	19·4501	14	16·2518	7·2955											
8272	3*	5·5081	19·6535	7	16·8993	7·5313											
8273	8	7·1940	19·8817	13	18·5745	7·8398											
8274	6	7·9647	19·4004	14	19·3670	7·3980											
8275	8	8·9249	19·8079	16	20·3059	7·8541											
8276	4*	10·7241	18·9660	9	22·1427	7·0997											
8277	4	11·2315	19·5554	10	22·6208	7·7137											
8278	5*	6·2968	20·6815	9	17·6355	8·5971											
8279				7	18·7500	8·0550											
8280	10	7·5506	20·0403	15	18·9208	8·0135											
8281	6*	8·0886	20·3787	13	19·4420	8·3817											
8282	5	9·0642	20·0068	9	20·4365	8·0554											
8283	11	10·9646	20·8064	19	22·2967	8·9490											
8284	15	11·7344	19·9082	22§	23·1102	8·0891											
8285	4*	2·9452	21·4245	10	14·2517	9·1774											
8286	7	3·8177	21·7448	11	15·1120	9·5383											
8287	6†	3·9422	21·5249	8	15·2486	9·3266											
8288	18	4·8775	21·1358	24§	16·2000	8·9810	71° 911	9·5									
8289	71§	8·8012	21·9045	87§	20·0787	9·9443	71° 914	7·5									
8290	12	12·6438	21·2955	21§	23·9493	9·5183	71° 917	9·5									
8291	6†	3·7118	22·7176	9	14·9576	10·5064											
8292				7	16·5241	10·9244											
8293	7	7·2378	22·8697	14	18·4718	10·8283											
8294	6	8·4878	22·6440	13	19·7319	10·6639											
8295	5	10·2647	21·9017	10	21·5414	10·0085											
8296				5	22·6116	10·1904											
8297	12	13·3385	22·7149	21	24·5735	10·9713											
8298	5*	4·6388	24·1451	10	15·8132	11·9738											
8299				8	16·2225	11·3704											
8300				6	16·5622	11·9058											
8301				5	19·4577	11·7527											
8302	5*	8·4193	23·9020	10	19·6010	11·9166											
8303	16	10·0175	23·6867	20§	21·2070	11·7801											
8304	4†	13·0716	23·3098	11	24·2746	11·5541											
8305	6*	13·7701	23·6800	11	24·9546	11·9561											
8306	9*	4·9801	24·4610	13	16·1398	12·3071											
8307	28	6·4549	24·1353	27§	17·6294	12·0535	71° 912	9·0									
8308	6	8·2436	24·7659	12	19·3830	12·7706											
8309				7	19·8581	12·3065											
8310				7	20·3125	12·6125											
8311	7	12·5667	23·9345	15	23·7419	12·1503											
8312	7	12·9190	23·7805	12	24·1015	12·0143											
8313	25§	12·9640	24·2632	47§	24·1201	12·5013	71° 919	9·0									
8314	6	13·8519	23·8335	8	25·0308	12·1116											

No. 8258.  $\nu$  Draconis.

\* *réseau* interval represents very nearly  $5' = 61^{\text{s}}.4$  of R.A. at Dec.  $+71^{\circ}$  and  $64^{\text{s}}.7$  at Dec.  $+72^{\circ}$ .



## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 19 <sup>h</sup> 0 <sup>m</sup> to 19 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>									R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 19 <sup>h</sup> 0 <sup>m</sup> Dec. + 71°			R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°			Centre R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°										
Plate 2844. 1895, Sept. 16.			Plate 2722. 1895, June 24.			Plate 1242. 1893, June 27.			Plate 2722. 1895, June 24.			Plate 1242. 1893, June 27.			Plate 2722. 1895, June 24.										
8365	4*	24°50'48"	21°54'12"	4*	13°08'67"	9°27'41"	°	m.	8417	15	5°96'01"	21°44'47"	9	17°28'27"	9°27'64"	°	m.								
8366	5	17°96'50"	22°84'81"						8418	9	6°63'87"	21°82'54"													
8367	5	19°52'61"	22°37'62"	4*	8°16'16"	10°36'68"			8419	20	9°10'39"	21°96'35"	13	20°39'58"	9°95'85"										
8368	6	21°66'85"	22°98'92"	4*	10°32'84"	10°86'51"			8420	7	10°27'27"	21°95'52"													
8369	4	22°11'32"	22°23'90"	4*	10°73'47"	10°09'32"			8421	9	11°71'86"	21°53'48"													
8370	6	22°53'53"	22°39'71"	4	11°16'78"	10°22'86"			8422	18	12°45'78"	21°66'54"	10	23°76'44"	9°83'00"										
8371	8	25°18'84"	22°98'10"	6	13°84'80"	10°67'73"			8423	48§	13°71'43"	21°87'16"	37§	25°00'53"	10°10'17"	71	950								
8372	15	21°63'88"	23°59'72"	12	10°33'58"	11°47'57"			8424	44§	4°23'99"	22°93'11"	28§	15°48'73"	10°67'15"	71	939								
8373	9	14°65'22"	24°02'95"	4*	3°37'59"	12°26'95"			8425	34§	4°99'98"	22°84'47"	18§	16°25'10"	10°62'63"										
8374	6	15°50'37"	24°25'87"	4*	4°29'50"	12°45'24"			8426	6	5°74'09"	22°59'76"													
8375	7	16°69'41"	24°99'20"	6	5°46'62"	13°12'62"			8427	5	6°98'05"	22°70'36"													
8376	21	20°39'42"	24°17'74"	17	9°12'06"	12°11'88"	71	927	8428	17	10°26'63"	22°57'97"	6	21°52'53"	10°63'11"										
8377	37§	20°39'91"	24°84'60"	35§	9°16'24"	12°78'90"	71	928	8429	20	12°34'12"	22°39'58"	12†	23°60'71"	10°55'19"										
8378	37§	21°60'61"	24°49'99"	30§	10°35'04"	12°37'99"	71	929	8430	15	4°60'75"	23°11'37"	5*	15°84'82"	10°87'31"										
8379	8	24°63'48"	24°47'56"	5	13°37'37"	12°19'76"			8431	21§	4°99'25"	23°80'09"	7	16°19'21"	11°59'08"										
8380	23	17°43'52"	25°78'25"	21	6°25'04"	13°87'55"	71	924	8432	6	5°71'54"	23°91'23"	4*	16°90'09"	11°72'64"										
8381	58§	22°00'08"	25°02'90"	64§	10°76'81"	12°88'34"	71	932	8433	7	6°85'76"	23°65'81"													
8382				5	13°58'73"	13°73'45"			8434	6	8°74'16"	23°27'18"													
8383	68§	25°00'33"	25°49'35"	51§	13°78'70"	13°19'32"	71	938	8435	8	11°00'08"	23°76'91"													
R.A. 19 <sup>h</sup> 12 <sup>m</sup> to 19 <sup>h</sup> 24 <sup>m</sup>									8436	11	11°76'14"	23°54'28"	4*	22°96'97"	11°66'93"										
Centre R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 19 <sup>h</sup> 12 <sup>m</sup> Dec. + 72°			Centre R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			8437	21	4°01'33"	24°97'25"	6	15°16'29"	12°70'40"										
Plate 1242. 1893, June 27.			Plate 2722. 1895, June 24.			Plate 1242. 1893, June 27.			8438	11	7°15'11"	24°27'93"	6*	18°32'55"	12°17'14"										
8384	22	5°23'45"	14°87'44"	13	16°89'28"	2°67'76"	°	m.	8439	7	9°13'80"	24°11'30"	4	20°32'31"	12°10'52"										
8385	9	7°18'49"	14°39'35"	4*	18°87'38"	2°27'77"			8440	15	9°82'47"	24°04'71"	6	21°01'25"	12°07'43"										
8386	18	8°30'83"	14°61'47"	9	19°97'63"	2°57'57"	70	1053	8441	13	11°25'14"	24°86'80"	4*	22°39'48"	12°96'56"										
8387	10	13°15'27"	14°28'00"						8442	13	11°70'63"	24°49'43"	4	22°86'89"	12°61'87"										
8388	49§	6°20'26"	15°53'29"	40§	17°82'71"	3°38'55"	71	942	8443	71§	12°25'08"	24°84'17"	51§	23°39'19"	12°99'50"	71	949								
8389	6	6°96'36"	15°84'53"						8444	6	13°83'34"	24°30'60"													
8390	81§	8°61'33"	15°96'78"	62§	20°21'35"	3°94'05"	71	945	8445	13	4°23'41"	25°42'28"	4*	15°35'09"	13°16'46"										
8391	6	2°58'27"	16°87'60"						8446	10	4°88'43"	25°32'75"													
8392	7	3°20'06"	16°49'79"						8447	6*	10°46'14"	25°53'28"	4*	21°56'85"	13°59'06"										
8393	4	3°51'31"	16°01'68"						8448	6	13°23'06"	25°56'10"													
8394	4	3°55'60"	16°92'59"	4*	15°11'27"	4°64'21"				52§	1°40'16"	19°30'48"				71	935								
8395	33§	4°73'99"	16°07'47"	26	16°34'08"	3°84'88"	71	941		84§	2°67'19"	25°53'67"				71	938								
8396	6	5°11'58"	16°97'80"										56§	25°48'49"	10°66'08"	71	951								
8397	6	5°19'70"	16°16'86"										55§	26°49'60"	11°77'56"	71	953								
8398	41§	8°25'39"	16°43'49"	28§	19°83'19"	4°39'40"	71	944	R.A. 19 <sup>h</sup> 24 <sup>m</sup> to 19 <sup>h</sup> 36 <sup>m</sup>																
8399	31§	10°21'65"	16°08'83"	26	21°80'79"	4°14'55"	71	948	Centre R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°			R.A. 19 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°										
8400	16§	13°14'09"	17°86'84"	6*	24°63'49"	6°07'56"			Plate 1242. 1893, June 27.			Plate 2152. 1894, July 26.			Plate 1242. 1893, June 27.										
8401	29§	4°26'30"	18°57'99"	19	15°73'24"	6°33'18"	71	940	8449	27§	18°40'29"	14°14'47"	28	6°73'40"	2°27'35"	°	m.								
8402	4	5°87'52"	18°19'46"						8450	21	21°46'75"	14°16'09"	23	9°79'72"	2°16'10"										
8403	37§	6°37'28"	18°21'50"	23§	17°86'00"	6°07'54"	71	943	8451	18	15°55'69"	15°50'85"	18	3°94'66"	3°75'80"										
8404	9	6°83'35"	18°48'90"	4*	18°30'58"	6°37'16"			8452	17	16°69'00"	15°61'85"	24	5°08'58"	3°81'87"										
8405	15	6°86'28"	18°80'29"	9	18°31'86"	6°68'29"			8453	30§	18°72'13"	15°81'58"	31§	7°12'38"	3°92'83"										
8406	8	6°99'18"	18°35'58"	4*	18°47'13"	6°24'31"			8454	18	19°01'93"	14°95'55"	20	7°38'60"	3°05'84"										
8407	6	4°87'94"	19°28'45"						8455	49§	19°12'17"	15°04'05"	51§	7°48'89"	3°13'88"	70	1067								
8408	5	6°09'04"	19°00'38"						8456	4*	19°47'73"	15°22'28"	4*	7°85'59"	3°30'58"										
8409	14	6°25'56"	19°04'46"	5*	17°65'50"	7°75'32"			8457	16	22°21'48"	15°72'39"	18	10°60'92"	3°69'10"										
8410	14	7°82'81"	19°14'53"	11	19°26'68"	7°07'88"			8458	6	22°68'53"	15°93'03"	7	11°08'75"	3°87'76"										
8411	21	12°88'18"	19°06'52"	17	24°31'82"	7°25'71"			8459	71§	22°94'76"	15°51'20"	64§	11°33'07"	3°44'82"	71	960								
8412	7	7°52'89"	20°40'14"						8460	15	23°63'22"	15°17'99"	14*	12°00'40"	3°08'44"										
8413	40§	9°55'13"	20°46'50"	35§	20°91'92"	8°48'57"	71	946	8461	13	21°36'42"	16°51'13"	15	9°79'38"	4°51'43"										
8414	17	10°06'70"	20°52'99"	11	21°43'05"	8°57'30"	71	947	8462	28§	23°11'07"	16°42'33"	27§	11°53'16"	4°35'17"										
8415	24	3°17'05"	21°23'34"	12	14°50'60"	8°92'53"			8463	32§	23°56'28"	16°27'60"	28§	11°97'93"	4°18'66"	71	961								
8416	21	5°73'75"	21°03'30"	12	17°07'99"	8°85'21"			8464	28§	23°72'94"	16°22'23"	29§	12°14'16"	4°12'44"										

ZONE + 71°.

R.A. 19 <sup>h</sup> 24 <sup>m</sup> to 19 <sup>h</sup> 36 <sup>m</sup> —contd.							R.A. 19 <sup>h</sup> 24 <sup>m</sup> to 19 <sup>h</sup> 36 <sup>m</sup> —contd.												
Centre		R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71°		R.A. 19 <sup>h</sup> 36 <sup>m</sup> Dec. +72°				Centre		R.A. 19 <sup>h</sup> 24 <sup>m</sup> Dec. +71°		R.A. 19 <sup>h</sup> 36 <sup>m</sup> Dec. +72°							
Plate 1242. 1893, June 27.				Plate 2152. 1894, July 26.				Plate 1242. 1893, July 27.				Plate 2152. 1894, July 26.							
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.				
							No.	Mag.								No.	Mag.		
8465				4	13'4267	4'2804	°	m.	8524				4†	11'3745	12'0893	°	m.		
8466	5	16'7683	16'8182	4*	5'2192	5'0143			8525	35	23'5535	24'7604	24§	12'3284	12'6655	71	962	9'2	
8467	16	17'4356	17'7833	20	5'9217	5'9493			8526	27	24'2572	24'6877	20§	13'0275	12'5609				
8468	6	21'1610	17'2852	9	9'6187	5'2975			8527				6	13'6041	12'2426				
8469	31§	21'3641	17'3304	27§	9'8269	5'3339	71	957	9'3	8528	4*	14'6727	25'1345	5	3'4749	13'4103			
8470	21	21'7621	17'4038	20	10'2268	5'3885			8529	4*	16'7255	24'8527	4*	5'5130	13'0468				
8471	4	22'3664	17'5167	5	10'8377	5'4736			8530				4	13'4603	13'6420				
8472	7	15'0490	18'7253	6	3'5759	6'9950				65§	20'7456	26'6728				71	956	7'5	
8473	6	19'2167	18'1740	7	7'7181	6'2683							32	4'7319	1'3000	70	1064	9'0	
8474	8	21'4904	18'9913	12	10'0218	6'9868							55§	2'3767	10'1951	71	950	9'0	
8475	20	22'2463	18'7269	18	10'7675	6'6903							76§	1'0410	13'2239	71	949	7'5	
8476				5	12'4588	6'8153													
8477	96§	24'9713	18'7470	83§	13'4881	6'5968	71	964	6'7										
8478	23	15'2843	19'5160	25§	3'8464	7'7735	71	952	9'5										
8479	11	16'8360	19'3246	14	5'3870	7'5145													
8480	4*	17'6658	18'9144	6	6'2012	7'0695													
8481	10	19'1787	19'1608	12	7'7206	7'2523													
8482	5†	21'1508	19'7159	6	9'7149	7'7243													
8483	47§	21'8033	19'6143	42§	10'3636	7'5959	71	958	8'3										
8484	5*	22'4761	19'4979	6	11'0265	7'4523													
8485	4*	22'9784	19'3723	5	11'5274	7'3043													
8486	15	23'0437	20'0611	15	11'6199	7'9895													
8487				4	13'6716	7'7197													
8488	28	25'2850	19'8109	25§	13'8500	7'6491	71	965	9'4										
8489	8	15'0597	20'2953	10	3'6547	8'5607													
8490	7	16'4578	20'5592	19	5'0629	8'7638													
8491	6	17'0288	20'3887	7	5'6263	8'5712													
8492	4*	18'6582	20'1278	4	7'2397	8'2401													
8493	15	19'3442	20'5412	15	7'9435	8'6256													
8494	6	19'5146	19'9354	8	8'0885	8'0143													
8495	5*	20'2206	20'7871	5*	8'8292	8'8356													
8496	10	22'1115	20'7411	12	10'7163	8'7080													
8497	8	23'0420	20'2135	11	11'6241	8'1402													
8498	5*	23'8103	20'2416	8	12'3909	8'1386													
8499	12	24'3709	21'0088	12	12'9848	8'8793													
8500	6*	25'3002	20'4489	10	13'8912	8'2835													
8501	6	15'4432	20'7968	6*	4'0580	9'0435													
8502	5†	20'5337	21'5348	6	9'1739	9'5716													
8503	4*	21'0718	21'3411	4†	9'7027	9'3504													
8504	4*	22'5392	21'0883	6*	11'1620	9'0408													
8505	4*	24'2988	21'8904	5	12'9525	9'7574													
8506	18	25'2673	21'4026	17	13'8972	9'2359													
8507	57§	14'2221	22'4047	59§	2'9055	10'7031	71	951	8'2										
8508	11	14'7246	22'7159	13	3'4212	10'9925													
8509	10	15'2239	22'7431	13	3'9223	10'9980													
8510	40§	15'7921	22'3956	38§	4'4732	10'6273	71	954	9'1										
8511	8	17'8447	22'5193	10	6'5294	10'6645													
8512	6	18'4254	22'5685	10	7'1139	10'6898													
8513	58§	20'6098	22'9008	54§	9'3076	10'9298	71	955	8'5										
8514	4*	21'2639	22'3860	5*	9'9390	10'3856													
8515	17	21'7159	22'7036	15	10'4071	10'6859													
8516	37§	24'2821	22'4737	25§	12'9588	10'3486	71	963	9'5										
8517	9	14'6614	23'3414	14	3'3861	11'6206													
8518	44§	15'2902	23'4658	46§	4'0178	11'7180	71	953	8'3										
8519	9	17'4121	23'7773	10	6'1513	11'9430													
8520	6*	20'5811	23'3341	6	9'2948	11'3623													
8521	12	15'5489	23'9181	14	4'2953	12'1616													
8522	5	16'8125	23'9805	6	5'5605	12'1701													
8523	15	18'9686	24'3664	11	7'7303	12'4623													

1 réseau interval represents very nearly  $\zeta' = 61^{\text{s}}.4$  of R.A. at Dec.  $+ 71^{\circ}$ , and  $64^{\text{s}}.7$  at Dec.  $+ 72^{\circ}$ .



## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 19 <sup>h</sup> 36 <sup>m</sup> to 19 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 19 <sup>h</sup> 48 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup>																
Centre R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 19 <sup>h</sup> 36 <sup>m</sup> Dec. +72°			Centre R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +72°										
Plate 2742. 1895, July 7.			Plate 2152. 1894, July 26.			Plate 2742. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2744. 1895, July 7.										
8570	11	7'4491	18'2538	11	19'0018	6'3178			8622	29§	14'5238	14'2679	33§	2'7904	2'5622	70° 1092	m.								
8571	17§	10'7523	18'3251	22	22'2938	6'5668			8623	5	15'6363	14'4990	4†	3'9117	2'7344		9'4								
8572	6	13'1852	18'4123						8624	5	16'4565	14'4726	4*	4'7311	2'6636										
8573	17§	4'1015	19'8119	17	15'5736	7'7015			8625	6	16'4569	14'5145	4	4'7357	2'7071										
8574	14	5'4618	19'6906	16	16'9398	7'6532			8626	10	22'9135	14'5686	7	11'1878	2'4378										
8575	4	5'9335	19'5227	4*	17'4145	7'5102			8627	6	23'2722	14'2731	6	11'5305	2'1225										
8576	13	7'3543	19'2530	12	18'8498	7'3150			8628	10	23'3744	15'0303	9	11'6685	2'8734										
8577	9	9'8044	19'6228	12	21'2785	7'8141			8629	14	23'8777	14'6450	13	12'1519	2'4648										
8578	21§	10'2425	19'6150	26§	21'7192	7'8273	71	972	8630	25§	24'6798	14'2119	33§	12'9335	1'9890	70° 1098	9'2								
8579	6	10'3825	19'9703	5†	21'8395	8'1923			8631	35§	25'0782	15'0053	35§	13'3716	2'7619	70° 1100	9'0								
8580	28§	13'6250	19'7082	37§	25'0925	8'0980	71	975	8632	6	16'4484	15'4995	5*	4'7759	3'6881										
8581	9	3'3334	20'2197	7	14'7825	8'0670			8633	31§	16'9245	15'2012	31§	5'2342	3'3705	70° 1093	9'5								
8582	11	4'6232	20'1248	9	16'0788	8'0433			8634	16§	17'1149	15'7598	18	5'4554	3'9159	71° 978	9'5								
8583	4	5'3613	20'6291	4	16'7850	8'5852			8635	6	18'6207	15'3978	5	6'9417	3'4792										
8584	12§	5'8416	20'4843	12	17'2745	8'4664			8636	3	20'6223	15'2607	3*	8'9295	3'2453										
8585	9	6'6054	20'0785	8	18'0617	8'0978			8637	4†	20'6103	15'7097	4*	8'9394	3'6928										
8586	10	9'6792	20'2303	8	21'1212	8'4113			8638	3	22'4621	15'5523	4*	10'7827	3'4421										
8587	11	3'6704	21'1165	10	15'0745	8'9798			8639	6	25'1033	16'0935	7	13'4486	3'8507										
8588	12	3'9022	21'6239	7	15'2773	9'5013			8640	49§	16'3100	16'1491	49§	4'6704	4'3480	71° 977	8'7								
8589	13	3'9855	21'0407	13	15'3942	8'9260			8641	3†	18'8598	16'8157	4	7'2537	4'8834										
8590	16	4'9556	21'8650	13	16'3191	9'7986	71	967	8642	6	22'1337	16'7737	6	10'5196	4'6776										
8591	16	5'0208	21'8680	17	16'3824	9'8063			8643	4	24'8501	16'4511	4*	13'2171	4'2183										
8592	9	5'0527	21'2161	8	16'4494	9'1570			8644	18	16'6098	17'5995	19	5'0400	5'7846										
8593	13	5'7264	21'4441	12	17'1128	9'4189			8645	10	16'8937	17'3861	8	5'3159	5'5565										
8594	10	5'8115	21'0008	10	17'2188	8'9773			8646	5	17'9475	16'9737	5	6'3470	5'0947										
8595	10	7'0335	21'8078	8	18'3962	9'8512			8647	8	18'4405	17'3123	8	6'8562	5'4050										
8596	8	8'8810	21'9813	7	20'2313	10'1210			8648	4	21'2497	17'6769	5	9'6816	5'6232										
8597	4	8'9553	21'1688	4	20'3494	9'3148			8649	28§	25'0437	18'1497	19	13'4930	5'9050										
8598	4	9'7438	21'8114	4	21'1032	9'9978			8650	7	25'1005	17'9855	6	13'5436	5'7365										
8599	9	10'8909	21'7451	8	22'2528	9'9893			8651	16	14'2526	18'5356	18	2'7378	6'8355										
8600	8	11'7693	21'9798	6	23'1147	10'2676			8652	6	15'3634	18'0008	5†	3'8198	6'2489										
8601	6	4'8959	22'1385	4	16'2447	10'0670			8653	4*	15'6441	18'3219	4†	4'1141	6'5547										
8602	11	8'8718	22'5483	10	20'1924	10'6865			8654	8	16'8132	17'8513	7	5'2587	6'0250										
8603	6	12'2719	22'6108						8655	10	16'7760	18'6413	10	5'2643	6'8141										
8604	6	4'5943	23'2191	7	15'8825	11'1331			8656	3†	16'9354	18'2372	4†	5'3997	6'4023										
8605	4	8'1562	23'9398	4*	19'4022	12'0396			8657	21§	19'4788	18'8932	20§	7'9738	6'9283										
8606	11	12'7349	23'0748	9	24'0235	11'4173			8658	11	22'2445	18'2564	9	10'7047	6'1548										
8607	4	13'2701	23'0493						8659	5	23'5774	18'2437	5	12'0348	6'0717										
8608	5	3'9580	24'3678	5	15'1863	12'2459			8660	4*	25'3410	18'5182	4*	13'8142	6'2548										
8609	6*	4'2436	24'2153	5	15'4819	12'1080			8661	6	17'2439	19'4949	5	5'7724	7'6452										
8610	14	5'2034	24'9295	14	16'4019	12'8703			8662	6	20'4197	19'6406	5	8'9524	7'6271										
8611	15	6'1269	24'3477	12	17'3572	12'3390			8663	7	23'2383	19'4323	5	11'7571	7'2751										
8612	17	7'0253	24'7099	16	18'2353	12'7465			8664	6	23'4697	19'3102	6	11'9818	7'1422										
8613	19§	8'8890	24'7155	19§	20'0955	12'8520	71	971	8665	17	24'2944	19'3433	15§	12'8063	7'1350										
8614	17	8'9060	24'7202	16	20'1124	12'8586			8666	6	24'8573	19'9343	4	13'3976	7'6954										
8615	20	9'9625	24'8685	19	21'1591	13'0633			8667	3*	24'9725	19'8427	4†	13'5068	7'5955										
8616	5*	10'0335	24'4280	5	21'2513	12'6265			8668	9	25'1175	20'1438	8	13'6691	7'8912										
8617	14	10'8309	24'0095	14	22'0723	12'2480			8669	11	15'4024	20'5619	10	3'9893	8'8024										
8618	7	4'9493	25'0535	8	16'1424	12'9835			8670	6	16'2471	20'6619	5†	4'8377	8'8577										
8619	9	8'1223	25'1526	10	19'3050	13'2495			8671	34§	17'8633	19'9890	32§	6'4178	8'1047	71° 979	9'3								
8620	28§	12'0692	25'4863	27§	23'2314	13'7889	71	974	8672	8	20'9282	20'3390	6	9'4945	8'3025										
8621	5	13'4266	25'5458						8673	9	20'9985	20'6573	10	9'5818	8'6142										
									8674	24§	22'8793	20'3229	21§	11'4411	8'1853	71° 980	9'5								
	96§	1'9603	18'8173				71	964	8675	11	23'9993	20'5008	12	12'5688	8'3057										
									8676	4*	24'2818	21'0740	3	12'8791	8'8603										
									8677	15	24'5432	20'7010	13	13'1245	8'4775										
									8678	4*	25'0474	21'2042	4	13'6550	8'9578										
									8679	7	14'5855	20'9355	10	3'1908	9'2177										
									8680	4*	15'7295	21'1485	4	4'3421	9'3764										

## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 19 <sup>h</sup> 48 <sup>m</sup> to 20 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 12 <sup>m</sup> —contd.																
Centre R.A. 19 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +72°			R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +72°			R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +72°										
Plate 2742. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2745. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2744. 1895, July 7.										
8681	13	17°30'23	20°95'11	13	5°90'50	9°09'62	.	m.	8730	4*	8°94'35	15°06'87	5†	20°62'03	3°10'84	.	m.								
8682	7	19°17'94	21°77'30	6	7°82'31	9°82'18			8731	24§	10°37'28	15°70'70	31§	22°01'28	3°81'60	71 1002	9°0								
8683	10	19°99'00	21°63'66	12	8°63'15	9°64'38			8732	6	10°47'66	15°53'78	9	22°12'65	3°65'34										
8684	11	20°75'60	21°96'35	11	9°40'45	9°93'05			8733	4*	12°05'09	14°94'17	5*	23°72'27	3°13'76										
8685	8	22°06'53	21°48'44	7	10°69'03	9°38'82			8734	4*	12°88'93	15°56'64	6*	24°53'51	3°80'01										
8686	42§	23°89'87	21°24'15	40§	12°50'75	9°05'05	71 984	9°0	8735	4	13°78'34	15°10'94	6*	25°45'10	3°38'97										
8687	45§	24°04'93	21°78'60	41§	12°69'00	9°58'83	71 986	8°7	8736	20	4°48'40	16°92'70	20	16°07'53	4°74'53										
8688	8	24°84'29	21°73'69	8	13°47'69	9°49'95			8737				4	17°29'91	4°10'76										
8689	6	14°89'59	21°98'05	6	3°55'35	10°24'74			8738	6	7°31'57	16°17'26	7	18°93'92	4°13'28										
8690	5	15°41'05	22°07'47	7	4°07'38	10°31'22			8739	11	8°94'35	16°36'26	14	20°55'30	4°40'04										
8691	5	18°10'15	22°24'37	5	6°76'99	10°34'49			8740	40§	10°72'33	16°71'90	45§	22°31'43	4°84'36	71 1003	8°3								
8692	5	22°56'80	22°14'72	4	11°22'31	10°02'33			8741	20	13°09'21	16°66'46	26	24°68'40	4°90'54	71 1006	9°5								
8693	4*	23°15'80	22°81'67	5	11°85'00	10°66'05			8742	19	3°42'45	17°72'96	20§	14°97'80	5°49'44										
8694	13	23°65'40	23°10'93	14	12°35'98	10°92'98			8743	15	5°58'65	17°45'87	15	17°14'92	5°33'14										
8695	25	25°08'50	23°07'85	21§	13°78'60	10°82'70	71 990	9°5	8744	28§	6°61'81	17°87'26	28§	18°16'05	5°79'60	71 994	9°5								
8696	24	25°12'66	23°41'83	21§	13°84'29	11°16'40			8745	13	7°48'89	17°79'63	16§	19°03'13	5°76'01										
8697	22§	15°76'09	23°51'08	24§	4°49'55	11°72'86	71 976	9°5	8746	7	8°03'08	17°62'98	8	19°57'63	5°62'20										
8698	8	17°56'98	23°18'60	6	6°28'63	11°31'15			8747	9	11°38'80	17°07'37	13	22°96'20	5°23'07										
8699	14	18°38'44	23°20'75	13	7°10'10	11°29'41			8748	9	11°50'24	17°30'40	16	23°06'33	5°46'59										
8700	11	22°15'27	23°75'16	7	10°89'41	11°64'53			8749	8	12°85'35	17°62'45	10	24°39'93	5°85'02										
8701	25	23°23'37	24°00'88	22§	11°98'38	11°84'60	71 982	9°5	8750	5*	2°71'43	19°01'13	8	14°20'29	6°74'41										
8702	8	14°91'50	23°84'33	9	3°66'55	12°10'61			8751	5	6°03'45	18°40'32	7	17°55'04	6°29'79										
8703	6	15°42'46	23°78'82	6	4°17'33	12°02'48			8752	6	6°94'40	18°47'73	7	18°45'60	6°41'72										
8704	15	15°47'84	23°95'40	16	4°23'69	12°18'80			8753	9	7°12'10	18°89'12	10	18°61'36	6°83'87										
8705	9	17°53'73	24°10'04	10	6°29'69	12°22'76			8754	28§	8°29'15	18°38'45	27§	19°80'50	6°38'80	71 997	9°5								
8706	4	19°60'37	24°83'25	5	8°40'00	12°85'74			8755	15	13°67'29	17°75'77	23	25°21'14	6°02'45										
8707	5	21°12'93	24°74'58	6	9°91'82	12°69'15			8756	5*	3°53'24	19°93'12	6	14°97'15	7°70'10										
8708	6	22°91'36	24°54'91	6	11°69'39	12°40'52			8757	21§	4°76'66	19°80'44	20§	16°21'61	7°63'73										
8709	35§	23°27'28	24°53'29	26§	12°05'05	12°36'94	71 983	9°4	8758	3*	7°12'60	19°67'99	4	18°57'47	7°62'48										
8710	42§	24°01'43	25°19'97	25§	12°82'19	12°99'68	71 987	9°3	8759	24§	7°32'39	19°71'52	22§	18°77'43	7°67'00	71 995	9°5								
8711	4*	24°16'11	24°87'54	4	12°95'43	12°66'73			8760	12	7°47'42	19°09'98	16	18°95'25	7°06'42										
8712	6	15°32'21	25°00'40	4	4°13'57	13°24'34			8761	4*	8°58'49	19°84'04	5	20°02'65	7°85'75										
8713	14	20°91'53	25°83'71	14	9°76'22	13°79'23			8762	4†	9°23'72	19°83'91	4	20°67'70	7°88'71										
8714	14	22°14'14	25°14'47	13	10°95'05	13°03'75			8763	6	10°01'83	18°92'75	10	21°50'16	7°01'70										
8715	28§	24°40'63	25°53'69	19§	13°23'22	13°31'35	71 988	9°5	8764				5	21°50'91	7°26'69										
8716	27§	24°69'32	25°73'99	19§	13°52'96	13°50'02	71 989	9°5	8765	38§	10°32'09	19°66'21	41§	21°76'93	7°76'58	71 1001	8°8								
8717				5	13°89'47	13°36'24			8766	5†	11°63'37	19°32'79	6	23°09'76	7°49'64										
8718				5	13°99'55	13°78'58			8767	3*	12°85'45	18°84'44	4*	24°33'69	7°07'61										
	62§	26°36'07	21°69'93				71 991	7°5	8768	36§	12°94'26	18°92'53	46§	24°42'37	7°15'90	71 1005	8°2								
	72§	22°95'80	26°54'49				71 981	7°7	8769	17	4°43'40	20°57'67	14	15°84'48	8°38'96										
	62§	23°63'59	26°81'64				71 985	9°0	8770	4*	5°74'88	20°59'20	5	17°15'60	8°46'83										
R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 12 <sup>m</sup>									8771	4	7°32'25	20°71'03	6	18°72'28	8°66'55										
Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 20 <sup>m</sup> Dec. +72°			Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			8772	3*	8°35'93	20°17'28	5	19°78'58	8°17'91										
Plate 2745. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2745. 1895, July 7.			8773	4*	9°08'81	20°66'97	5	20°48'98	8°71'04										
8719	4*	2°43'42	14°34'30	4	14°15'70	2°06'48	.	m.	8774	12	9°46'12	20°81'97	15	20°85'22	8°88'20	71 1000	9°5								
8720	22§	3°75'87	14°86'52	25§	15°44'98	2°65'42	70 1101	9°5	8775	4*	9°57'28	20°38'09	4	20°98'45	8°44'84										
8721	4*	6°92'28	15°01'43	4	18°60'40	2°95'45			8776	6	11°72'80	20°04'83	8	23°15'68	8°22'01										
8722	9	9°00'18	14°93'80	13	20°68'17	2°98'10			8777	25§	12°48'41	20°14'84	39§	23°90'73	8°35'63	71 1004	9°2								
8723	6	11°42'82	14°74'08	9*	23°11'32	2°90'52			8778	49§	3°62'83	21°61'02	48§	14°98'98	9°38'37	71 991	7°5								
8724	20	3°11'64	16°15'49	20	14°74'66	3°90'83			8779	4*	5°53'55	21°62'09	5	16°89'41	9°48'61										
8725	13	3°32'51	15°84'85	16§	14°96'87	3°61'49			8780	5	5°97'18	21°32'95	6	17°34'46	9°21'75										
8726	18§	4°97'60	15°91'32	18	16°61'51	3°75'78			8781	4*	6°47'36	21°15'97	4	17°84'99	9°07'38										
8727	19	7°18'52	15°43'12	20	18°84'57	3°38'37			8782	24§	6°84'85	21°18'19	23§	18°22'60	9°11'22										
8728	52§	7°29'72	15°44'92	53§	18°95'62	3°40'70	70 1104	8°3	8783	3*	7°36'51	21°23'95	4	18°73'63	9°19'52										
8729	4	7°63'04	15°57'31	7	19°28'26	3°54'69			8784	25§	9°38'02	21°80'10	25§	20°72'52	9°85'87	71 999	6°5								
									8785	5*	10°95'19	21°03'88	4	22°33'00	9°17'46										
									8786	9	11°22'14	21°75'47	10	22°56'27	9°90'06										
									8787	5*	12°52'14	21°26'89	5	23°88'57	9°47'59										
									8788	6	12°61'48	20°99'60	7	23°99'18	9°20'90										



## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		No.	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 20 <sup>h</sup> 0 <sup>m</sup> to 20 <sup>h</sup> 12 <sup>m</sup> — <i>contd.</i>									R.A. 20 <sup>h</sup> 12 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup> — <i>contd.</i>																
Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R.A. 20 <sup>h</sup> 0 <sup>m</sup> Dec. + 72°			Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			Plate 2745. 1895, July 7.										
Plate 2745. 1895, July 7.			Plate 2744. 1895, July 7.			Plate 2745. 1895, July 7.			Plate 2745. 1895, July 7.			Plate 4551. 1898, July 8.													
8789	5	13'4210	21'5344	5	24'7705	9'7878			8837	4†	22'4885	16'3891	5*	10'8687	4'3338										
8790	4*	5'5720	22'6184	4	16'8804	10'4834			8838	18	22'6136	16'8749	18	11'0180	4'8120										
8791	4*	9'0343	22'1582	4	20'3624	10'1919			8839	3*	23'4996	16'7194	4*	11'9080	4'5908										
8792	3*	12'1424	22'6284	4*	23'4405	10'8176			8840	5*	15'6912	17'3436	6	4'1286	5'6325										
8793	8†	3'2682	23'4730	9	14'5361	11'2223			8841	24§	15'7947	17'2781	31§	4'2288	5'5604	71 1009	9'2								
8794				6	15'3953	11'2521			8842	28§	15'9390	17'4490	39§	4'3817	5'7239										
8795	22	4'1402	23'5234	19§	15'4069	11'3184			8843	4*	16'2420	17'1430	4*	4'6684	5'4043										
8796	37§	5'1235	23'9473	28§	16'3649	11'7993	71 992	9'3	8844	2*	18'7659	17'5169	4	7'2064	5'6514										
8797	3*	5'6281	23'1624	4*	16'9121	11'0362			8845	6	21'4940	17'8509	7	9'9463	5'8454										
8798	4	7'2529	23'3967	6	18'5208	11'3476			8846	6	23'5616	17'2687	7	11'9823	5'1563										
8799	29§	8'9758	23'4704	34§	20'2356	11'5038	71 998	9'2	8847	4*	16'2038	18'0899	4	4'6852	6'3500										
8800				4	21'2338	11'6689			8848	19	16'9152	17'8612	28§	5'3778	6'0862										
8801	8	10'2073	23'7550	10	21'4533	11'8480			8849	4*	19'7707	18'6381	4†	8'2651	6'7198										
8802	4*	12'0089	23'5811	5	23'2622	11'7647			8850	3*	20'2964	18'2334	4†	8'7717	6'2846										
8803	6	12'2232	23'6849	7	23'4679	11'8772			8851	15	21'1691	17'9995	17	9'6327	6'0093										
8804	8	12'3053	23'3085	11	23'5708	11'5064			8852				4	9'9042	6'6935										
8805	20	13'9373	23'5464	19§	25'1892	11'8240			8853				5	11'2552	6'3112										
8806				6	16'3706	12'9243			8854	4*	14'6939	19'2847	5	3'2314	7'6231										
8807				4	17'9181	12'8890			8855	6	17'1397	18'8507	7	5'6543	7'0676										
8808	4*	8'5642	24'3075	6	19'7847	12'3171			8856	10	18'0928	18'9147	12	6'6075	7'0805										
8809	12	9'7659	24'5219	14	20'9750	12'5913			8857	8	18'1796	19'1760	10	6'7019	7'3351										
8810	4*	10'7669	24'4407	4*	21'9685	12'5571			8858	3*	18'5913	19'1632	4*	7'1152	7'2983										
8811	4*	13'5109	24'5883	5*	24'7109	12'8395			8859	52§	19'8537	19'3668	60§	8'3902	7'4398	71 1014	8'4								
8812	38	3'1794	25'6769	26§	14'3395	13'4200			8860	10	19'9658	19'7366	11	8'5179	7'8035										
8813	21	3'6878	25'8741	16	14'8377	13'6465			8861	3*	20'0369	19'3147	4*	8'5403	7'4083										
8814				4	17'4452	13'6567			8862	18	23'4102	19'7006	19	11'9583	7'5936										
8815				4	19'0957	13'0185			8863	5*	25'3216	20'0660	10	13'8844	7'8639										
8816	6*	13'5533	25'1415	7	24'7250	13'3946			8864				5	13'8942	7'3675										
									8865	12	14'6259	19'8740	14	3'1935	8'2131										
	46§	1'6888	15'0777	69§	25'3360	10'4138	71 1007	8'1	8866	34§	15'7382	20'6572	37§	4'3459	8'9358	71 1008	9'4								
	60§	1'1340	21'4000				70 1100	9'0	8867	3*	16'1949	20'5702	4*	4'7944	8'8285										
	63§	1'3411	21'9291				71 984	9'0	8868	3*	18'4686	20'0173	4	7'0373	8'1583										
							71 986	8'7	8869	3*	19'2320	20'2674	4*	7'8125	8'3735										
R.A. 20 <sup>h</sup> 12 <sup>m</sup> to 20 <sup>h</sup> 24 <sup>m</sup>									8870	4†	22'1449	20'5212	6	10'7313	8'4806										
Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°			Centre R.A. 20 <sup>h</sup> 12 <sup>m</sup> Dec. + 71°			8871	18	18'2256	21'2686	17	6'8615	9'4219										
Plate 2745. 1895, July 7.			Plate 4551. 1898, July 8.			Plate 2745. 1895, July 7.			8872	4*	22'8843	21'8159	6	11'5434	9'7350										
8817	6	22'5025	14'4056	8	10'7826	2'3554			8873	49§	22'9260	21'9645	58§	11'5889	9'8777	71 1015	8'5								
8818	3*	24'6148	14'3743	4*	12'8930	2'2134			8874	28§	23'5533	21'8309	24§	12'2075	9'7137										
8819	6*	24'8022	14'5878	8	13'0907	2'4189			8875	3*	25'1631	22'0208	6	13'8250	9'8242										
8820	4*	24'9005	14'3931	4	13'1841	2'2245			8876	53§	14'0125	22'1338	65§	2'6936	10'4979	71 1007	8'1								
8821	20	25'1854	14'9618	23§	13'4931	2'7720			8877	4*	14'9118	21'9764	4*	3'5839	10'2980										
8822	5*	14'6290	14'9934	4†	2'9527	3'3394			8878	22§	17'1063	22'3131	24§	5'7947	10'5223	71 1010	9'5								
8823	7†	14'4291	15'1831	10	2'7646	3'5388			8879	14	18'1009	21'9787	15§	6'7711	10'1352										
8824	21	21'2646	15'0025	22§	9'5769	3'0110			8880				5	6'3401	11'6822										
8825	4*	21'5254	15'1460	4*	9'8436	3'1439			8881	6†	18'8525	23'0847	8	7'5746	11'2063										
8826	5	23'1347	15'3169	6	11'4632	3'2312			8882	5	19'0908	23'4553	7	7'8317	11'5650										
8827	22§	23'2448	15'4938	22	11'5785	3'3997	70 1117	9'5	8883	4*	21'0658	23'0578	5	9'7821	11'0651										
8828	6	23'7957	15'7614	11	12'1400	3'6450			8884	12	14'5247	23'7805	16	3'2904	12'1203										
8829	4†	15'0087	15'7338	4*	3'3663	4'0650			8885	16	16'9019	23'9830	18	5'6751	12'2039										
8830	30§	16'1055	16'6090	37§	4'5070	4'8727			8886	49§	17'5489	23'8649	59§	6'3140	12'0483	71 1011	9'0								
8831	11	16'1531	15'7970	14	4'5142	4'0650			8887	10	18'0238	23'9332	11	6'7923	12'0956										
8832	3*	16'2793	16'5259	4*	4'6787	4'7833			8888	11	18'9148	24'3899	13	7'7037	12'5055										
8833	4*	17'2134	16'6198	4	5'6119	4'8359			8889	12*	21'0034	24'2484	15	9'7845	12'2594										
8834	16	17'2784	15'9369	23	5'6462	4'1449			8890	13	23'9184	24'9655	18§	12'7310	12'8256										
8835	2*	17'3072	16'0490	4*	5'6759	4'2727			8891	17	18'0528	25'7157	22§	6'9127	13'8716	71 1012	9'5								
8836	4†	19'3707	15'9171	4*	7'7316	4'0199			8892	14	22'8256	25'1424	17	11'6458	13'0573										
													59§	1'4662	7'3510	71 1005	8'2								
													43§	1'0709	8'5957	71 1004	9'2								

1 *réseau* interval represents very nearly 5' = 61°.4 of R.A. at Dec. + 71°, and 64°.7 at Dec. + 72°.

ZONE + 71°.

B. D.							B. D.										
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Mag.		
R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 36 <sup>m</sup>							R.A. 20 <sup>h</sup> 24 <sup>m</sup> to 20 <sup>h</sup> 36 <sup>m</sup> —contd.										
Centre	R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			Centre	R.A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 24 <sup>m</sup> Dec. +72°						
	Plate 2746. 1895, July 7.			Plate 4551. 1898, July 8.				Plate 2746. 1895, July 7.			Plate 4551. 1898, July 8.						
8893	12	6.6200	13.9719	19	18.3430	1.9675	70 1121	m.	8952				5	19.1673	13.3516	°	m.
8894	5	3.0721	14.8968	4*	14.7561	2.7231			8953	25§	8.5943	25.1642	28§	19.7692	13.2432		
8895	5	5.4301	14.6272	4*	17.1200	2.5634			8954	4	13.4185	25.6051	4*	24.5616	13.5216		
8896	44§	6.6714	14.7659	54§	18.3554	2.7619	70 1122	9.0									
8897	23§	8.0033	14.9540	42§	19.6751	3.0150	70 1123	8.9		60§	6.0583	26.6972				71 1018	8.5
8898	10	11.4847	14.2621	13	23.1851	2.4923											
8899	7	3.0678	15.8134	10	14.7028	3.6365											
8900	27§	5.0816	15.3658	36§	16.7345	3.2830	70 1119	9.5									
8901	10	6.0253	15.6522	10	17.6663	3.6164											
8902	19§	6.0258	15.9453	26§	17.6544	3.9083											
8903	4	10.2630	15.5238														
8904	3	10.8297	15.7663														
8905	24§	3.7772	16.5134	32§	15.3798	4.3696	71 1016	9.4									
8906	5	4.1280	16.6259	4	15.7219	4.4987											
8907	13	4.5010	16.2520	15	16.1136	4.1427	71 1017	9.5									
8908	13	6.6290	16.6766	13	18.2196	4.6676											
8909	8	7.3290	16.8863	9	18.9082	4.9125											
8910	6	8.5041	16.7602	6	20.0870	4.8447											
8911	42§	10.4922	16.5339	47§	22.0868	4.7129	71 1019	8.9									
8912	7	3.0890	17.4569	6	14.6445	5.2759											
8913	19§	5.9209	17.1536	24§	17.4884	5.1113											
8914	5	9.8768	17.5697	5	21.4172	5.7172											
8915	4†	10.0214	17.3243	4*	21.5734	5.4833											
8916	8	12.4395	17.9158	16	23.9650	6.1868											
8917	13	13.5243	17.4246	21	25.0693	5.7503											
8918	4†	2.9359	18.1124	3*	14.4586	5.9246											
8919	4†	4.2147	18.5776	4	15.7152	6.4502											
8920	5	6.1152	18.3692	5*	17.6229	6.3339											
8921	10	9.2614	18.1067	15	20.7788	6.2248											
8922	4*	2.5870	19.5453	4	14.0400	7.3410											
8923	5	5.1929	19.6606	4*	16.6417	7.5822											
8924	4	6.6899	19.8683	3*	18.1230	7.8605											
8925	6	5.4835	20.5439	5	16.8864	8.4768											
8926	6	5.7288	20.8260	4	17.1193	8.7728											
8927	4*	5.8190	20.7170	3*	17.2129	8.6669											
8928	26§	10.6345	20.4006	30	22.0402	8.5822	71 1020	9.4									
8929	4	13.3761	20.2679	4*	24.7823	8.5838											
8930	5†	5.7957	21.4236	4	17.1551	9.3710											
8931	5	6.0811	21.1827	4*	17.4516	9.1443											
8932	4	7.2243	21.0522	3*	18.6029	9.0668											
8933	6	7.4105	21.4293	6	18.7678	9.4553											
8934	12	8.3752	21.7271	16	19.7161	9.7972											
8935	10	9.5097	21.3063	10	20.8732	9.4335											
8936	4†	9.8175	21.6923	3*	21.1598	9.8302											
8937	5	13.1880	21.4803	4†	24.5376	9.7836											
8938	8	13.8427	21.3871	8	25.1950	9.7249											
8939	5†	5.2979	22.7745	3*	16.5929	10.6957											
8940	4	9.2727	22.1175	3†	20.5945	10.2354											
8941	4†	9.6121	22.4846	3*	20.9145	10.6136											
8942	8	10.8067	22.7370	9	22.0966	10.9259											
8943	5	13.6499	22.2733	5	24.9590	10.6003											
8944	11	4.8806	23.3631	8	16.1434	11.2650											
8945	5*	4.5697	24.6214	4*	15.7701	12.5046											
8946	11	7.2761	24.0965	8	18.5024	12.1138											
8947	22§	9.0205	24.6227	23§	20.2214	12.7216											
8948	10	9.2660	24.0520	8	20.4938	12.1640											
8949	9	12.0393	24.3745	7	23.2465	12.6216											
8950	6	12.8510	24.5168	4	24.0518	12.8025											
8951	31§	13.3359	24.1001	38§	24.5570	12.4087	71 1021	8.8									
		</															

1 réseau interval represents very nearly  $5' = 61^s.4$  R. A. at Dec.  $+ 71^\circ$ , and  $64^s.7$  at Dec.  $+ 72^\circ$ .



## ZONE + 71°.

R. A. 20 <sup>h</sup> 36 <sup>m</sup> to 20 <sup>h</sup> 48 <sup>m</sup> —contd.								R. A. 20 <sup>h</sup> 48 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R. A. 20 <sup>h</sup> 36 <sup>m</sup> Dec. +71° Plate 2746. 1895, July 7.				R. A. 20 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 3277. 1896, Oct. 18.				Centre R. A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 4549. 1898, July 8.				R. A. 20 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 3277. 1896, Oct. 18.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
</															

No. 9075. B. D. 71° 1035. The declination given in the B.D. appears to be about 2' too small.

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. +71°, and 64".7 at Dec. +72°.

## ZONE + 71°.

No	Diam.	x.	y.	Diam.	x.	y.	B. D.		No	Diam.	x.	y.	Diam.	x.	y.	B. D.									
							No.	Mag.								No.	Mag.								
R.A. 20 <sup>h</sup> 48 <sup>m</sup> to 21 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 12 <sup>m</sup> —contd.																
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 20 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°										
Plate 4549. 1898, July 8.			Plate 3277. 1896, Oct. 18.			Plate 4549. 1898, July 8.			Plate 3227. 1896, Aug. 13.			Plate 3227. 1896, Aug. 13.			Plate 3227. 1896, Aug. 13.										
9108	6*	10°2206	25°8056	13	21°3125	13°7553	°	m.	9159				4	13°4990	12°1347	°	m.								
9109	3*	12°3847	25°6462	6	23°4788	13°6949			9160	31§	21°9968	25°9363	25§	10°9335	13°7631	71 1051	9·3								
9110	63§	12°5460	25°2656	56§	23°6580	13°3215	71 1037	7·5	9161	9*	22°3294	25°9611	10	11°2664	13°7707										
R.A. 21 <sup>h</sup> 0 <sup>m</sup> to 21 <sup>h</sup> 12 <sup>m</sup>									R.A. 21 <sup>h</sup> 12 <sup>m</sup> to 21 <sup>h</sup> 24 <sup>m</sup>																
Centre R.A. 21 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			Centre R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +71°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°			R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. +72°										
Plate 4549. 1898, July 8.			Plate 3227. 1896, Aug. 13.			Plate 2773. 1895, Aug. 4.			Plate 3227. 1896, Aug. 13.			Plate 3227. 1896, Aug. 13.			Plate 3227. 1896, Aug. 13.										
9111	4*	22°5215	13°9937	4	10°8110	1°8126	°	m.	9162	9	3°3279	14°7489	10	14°9988	2°5302	°	m.								
9112	113§	19°6242	14°4428	103§	7°9446	2°4142	70 1164	6·0	9163	19	5°5203	14°8372	21	17°1840	2°7207										
9113	5	24°9053	14°3113	10	13°2054	2°0005	70 1158	8·0	9164	14	6°5158	14°5351	17	18°1914	2°4614										
9114	46§	16°2802	15°4037	44§	4°6533	3°5548			9165	6	3°7832	15°6835	3*	15°4079	3°4869										
9115	4*	16°4135	15°0458	7†	4°7687	3°1951			9166	22§	5°0125	15°6034	18	16°6410	3°4587										
9116	8	24°6267	15°6034	13	12°9988	3°3035			9167	41§	6°3180	15°6113	38§	17°9488	3°5297	70 1176	9·0								
9117	4	14°0213	16°4719	6	2°4561	4°7420			9168	13	9°2661	15°6818	14	20°8871	3°7330										
9118	39§	18°3994	16°7082	33§	6°8407	4°7453	71 1044	9·1	9169	7	9°8742	15°0819													
9119	4	22°9710	16°6429	7	11°4051	4°4331			9170	8*	2°6828	16°9021	6	14°2535	4°6527										
9120	5	23°2907	16°9166	8	11°7396	4°6892			9171	12	2°7648	16°2107	14	14°3665	3°9660										
9121	38§	24°2436	17°2188	32§	12°7038	4°9373	71 1053	9·3	9172	8	3°5610	16°0608	6	15°1696	3°8541										
9122	9	14°7475	17°3552	12	3°2312	5°5877			9173	6	10°2408	16°4191	5*	21°8273	4°5132										
9123	17	16°0270	16°9258	18	4°4841	5°0897			9174	5*	11°6855	16°7966	3*	23°2451	4°9606										
9124	66§	20°7421	17°4075	54§	9°2199	5°3166	71 1046	7·8	9175	8	13°3109	16°7918	3*	24°8806	5°0225										
9125	18	22°4494	17°3699	18	10°9220	5°1873			9176	7	3°1899	17°2796	6	14°7449	5°0505										
9126	6	23°8023	17°9020	8	12°3023	5°6439			9177	4*	4°1436	17°1699	4*	15°6991	4°9900										
9127	6	24°4200	17°5943	8	12°9018	5°3033			9178	4	6°0790	17°3247	3*	17°6281	5°2296										
9128	19	15°9511	18°5526	18	4°4971	6°7176			9179	5	7°0100	17°9537	6	18°5305	5°8994										
9129				4	6°1923	16°8463			9180	12	8°4563	17°3757	10	20°0000	5°3876										
9130	26§	19°9850	17°9830	22§	8°5376	6°9313	71 1045	9·4	9181	13	13°3961	17°8911	13	24°9131	6°1261										
9131	5	20°2111	18°7563	5	8°7610	6°6907			9182	10	4°6864	18°1193	9	16°2011	5°9594										
9132	4*	20°2344	18°7648	4	8°7842	6°6978			9183	20§	5°0183	18°3099	17§	16°5240	6°1647	71 1057	9·5								
9133	4*	21°9567	18°1893	5	10°4750	6°0340			9184	6	11°9768	18°4116	3†	23°4671	6°5832										
9134	4*	23°8943	18°9403	6	12°4525	6°6781			9185	4*	3°5467	19°3948	4†	15°0011	7°1817										
9135	4	20°1110	19°8704	5	8°7223	7°8109			9186	4	6°0893	19°4841	3*	17°5366	7°3873										
9136	12	23°7760	19°3945	9	12°3543	7°1375			9187	4*	6°6514	19°6445	4	18°0920	7°5719										
9137	11	19°3275	20°4950	10	7°9753	8°4758			9188	26§	7°6470	19°8028	22§	19°0824	7°7762	71 1059	9·2								
9138	4*	23°4485	20°5763	6	12°0918	8°3352			9189	4	8°2434	19°9993													
9139	4	16°5304	20°9090	5	5°2034	9°0415			9190	7	11°6446	19°6347	5	23°0820	7°7911										
9140	6	16°6339	20°9627	10	5°3096	9°0894			9191	4	13°2076	19°9433	2*	24°6296	8°1665										
9141	4*	17°8782	21°1453	5	6°5658	9°2026			9192	14	2°9985	20°5904	12	14°4009	8°3516										
9142	33§	16°9560	22°3829	27§	5°7104	10°4885	71 1043	9·5	9193	20§	4°8023	20°3099	14§	16°2181	8°1543										
9143	4	17°4047	21°9480	4	6°1325	10°0313			9194	4*	6°9124	20°4819	3*	18°3187	8°4191										
9144	47§	23°6172	22°7727	40§	12°3788	10°5192	71 1052	9·0	9195	4†	6°9285	20°4137	2	18°3355	8°3532										
9145	5	15°3823	23°3018	7	4°1841	11°4905			9196	6	7°6548	20°7926	4	19°0430	8°7648										
9146	11	18°7971	23°6099	9	7°6146	11°6142			9197	40§	7°7879	20°7170	37§	19°1819	8°6917	71 1060	9·1								
9147	11	19°5330	23°0333	11	8°3154	11°0005			9198	43§	3°7249	21°3470	38§	15°0965	9°1396	71 1055	8·7								
9148	33§	21°2930	23°9250	25§	10°1243	11°7937	71 1049	9·5	9199	5*	4°9514	21°4455	2*	16°3119	9°2956										
9149	4*	22°0297	23°4073	6	10°8272	11°2381			9200	5	7°5680	21°1557	4	18°9424	9°1219										
9150	7	23°7362	24°2350	10	12°5773	11°9708			9201	84§	11°3594	21°5058	80§	22°7128	9°6436	71 1062	6·8								
9151	8*	23°9747	23°9303	9	12°8014	11°6553			9202	8	11°6321	21°3336	6	22°9960	9°4837										
9152	9†	24°0735	23°9128	9	12°8997	11°6324			9203	13	4°1966	22°6842	11	15°5023	10°4978										
9153	7	14°0640	24°2758	8	2°9253	12°5366																			
9154	8	14°7699	24°0308	11	3°6148	12°2538																			
9155	4*	15°3244	24°5195	6	4°1979	12°7069																			
9156	13	15°3277	24°1826	13	4°1797	12°3744																			
9157	20§	21°1704	24°7077	20§	10°0425	12°5835																			
9158	37§	21°6760	25°0708	26§	10°5652	12°9171	71 1050	9·4																	

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71°, and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 21 <sup>h</sup> 12 <sup>m</sup> to 21 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 24 <sup>m</sup> to 21 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2773. 1895, Aug. 4.				R.A. 21 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 3227. 1896, Aug. 13.				Centre R.A. 21 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 2773. 1895, Aug. 4.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 1377. 1893, Aug. 17.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B.D.								B.D.							

1 second interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71°, and 64.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 36 <sup>m</sup> to 21 <sup>h</sup> 48 <sup>m</sup> —contd.									
Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 1377. 1893, Aug. 17.				Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 21 <sup>h</sup> 36 <sup>m</sup> Dec. + 72° Plate 1377. 1893, Aug. 17.					
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.		
9300	7	12°10'73	15°75'66					9359	22§	10°76'40	22°02'73	23	22°07'93	10°21'38	71°10'88	m.	
9301	6	3°97'10	16°92'86	4*	15°53'49	4°79'11		9360	13	13°22'59	22°88'46	12	24°49'73	11°18'99		9°5	
9302	18§	8°22'69	16°75'37	16	19°80'05	4°82'09		9361	6	12°42'65	22°93'98	6	23°69'64	11°20'47			
9303	10	10°49'84	16°38'81	7†	22°08'44	4°56'54		9362	25§	4°18'45	23°53'42	19	15°43'54	11°40'05			
9304	5	13°46'38	16°40'02	3*	25°04'51	4°72'12		9363	14	5°72'00	23°95'43	10	16°94'40	11°89'60	71°10'80	9°5	
9305	5	2°81'22	17°15'12					9364	19§	8°34'19	23°12'69	19	19°60'53	11°19'58			
9306	4	2°85'14	17°76'30					9365	8	8°37'76	23°55'79	5†	19°61'86	11°62'96			
9307	5	3°96'90	17°54'63					9366	8	8°52'32	23°42'85	5*	19°77'20	11°50'72			
9308	6	5°39'78	17°27'31	5*	16°94'66	5°20'35		9367	3	10°35'83	23°39'71						
9309	10	6°09'96	17°38'74	6*	17°64'21	5°35'24		9368	4	11°01'30	23°00'88						
9310	22§	6°27'04	17°08'56	24	17°82'78	5°05'78		9369	11	11°32'18	23°45'34	10	22°56'75	11°66'38			
9311	6	6°62'27	17°15'66					9370	3	11°38'84	23°40'13						
9312	5	8°38'67	17°82'96					9371	3	12°70'24	23°15'11						
9313	17§	9°65'60	17°49'49	19	21°19'13	5°63'11	71°10'86	9°4	9372	10	13°28'96	23°92'47	6*	24°51'14	12°23'02		
9314	8	9°74'97	17°15'74	6*	21°29'78	5°29'78			9373	12	3°65'63	24°62'60	7*	14°85'16	12°46'77		
9315	11	10°44'94	17°93'45	10	21°96'18	5°11'00			9374	15	4°90'32	24°02'83	12	16°13'00	11°92'85		
9316	6	13°13'33	17°15'62						9375	102§	8°22'66	24°31'50	117§	19°43'38	12°37'64	71°10'82	5°5
9317	17§	13°80'57	17°35'64	14	25°34'33	5°69'56			9376	9	8°47'69	24°77'01	5*	19°66'00	12°84'27		
9318	4	5°45'59	18°73'55						9377	7	8°96'90	24°11'18	4*	20°18'26	12°20'72		
9319	6	7°17'47	18°63'94	6*	18°65'73	6°65'43			9378	4	9°02'40	24°05'08					
9320	4	9°21'58	18°76'71						9379	10	10°54'72	24°28'56	7	21°75'08	12°45'94		
9321	5	9°36'99	18°87'51						9380	25§	11°01'45	24°71'09	18	22°20'14	12°90'58	71°10'89	9°4
9322	6	10°03'23	18°02'63	4*	21°54'01	6°18'17			9381	6	11°56'75	24°80'57					
9323	18	10°33'10	18°33'89	19	21°84'39	6°51'03			9382	19§	11°72'50	24°57'08	16	22°91'51	12°80'03		
9324	12	10°33'20	18°63'94	12	21°81'27	6°80'70			9383	8	12°44'15	24°34'80	5*	23°64'38	12°61'28		
9325	32§	2°65'24	19°63'38	28§	14°08'20	7°43'01	71°10'79	9°5	9384	8	9°17'94	25°51'99	6*	20°32'46	13°62'92		
9326	20	4°73'16	19°64'33	17	16°17'15	7°54'11			9385	16	10°47'12	25°00'43	11	21°64'20	13°17'19		
9327	6	5°05'43	19°08'78	3*	16°51'49	7°00'02			9386	11	13°38'86	25°40'34	6	24°53'76	13°71'19		
9328	6	5°47'05	19°52'75						9387	6	13°74'34	25°02'78	3*	24°91'36	13°36'02		
9329	30§	5°74'33	19°38'34	29§	17°19'26	7°32'08	71°10'81	9°5	9388	19§	13°87'84	25°13'05	22	25°04'15	13°46'53		
9330	10	8°48'09	19°01'20	7	19°94'43	7°08'92							80§	16°19'61	1°61'73	70°11'91	8°0
9331	8	9°25'04	19°46'01	6	20°69'08	7°57'29							93§	26°19'95	5°84'10	71°10'92	8°5
9332	10	11°41'29	19°17'79	5	22°86'49	7°39'83							68§	26°22'66	8°45'35	71°10'93	8°9
9333	25§	12°38'43	19°25'68	37§	23°83'23	7°52'23	71°10'91	9°4									
9334	10	5°32'37	20°95'01	6	16°69'87	8°87'73											
9335	3	5°43'08	20°66'79														
9336	10	6°63'14	20°36'52	5*	18°02'46	8°35'40											
9337	6	7°56'48	20°89'41	5*	18°93'66	8°92'77											
9338	6	9°68'39	20°61'91	5*	21°06'66	8°75'26											
9339	7	11°19'91	20°26'07	5†	22°59'98	8°46'54											
9340	13	11°42'52	20°46'44	10	22°81'48	8°68'52											
9341	5	11°45'30	20°47'71														
9342	4	13°61'57	20°51'16														
9343	5	13°89'19	20°97'75														
9344	18	2°83'48	21°39'66	12	4°19'06	9°19'98											
9345	17	3°86'59	21°13'73	13	15°23'16	8°98'98											
9346	6	4°28'90	21°68'59														
9347	10	5°75'55	21°95'23	7	17°07'98	9°89'80											
9348	10	6°50'71	21°87'09	6†	17°83'46	9°85'16											
9349	3	6°78'19	21°08'09														
9350	47§	9°08'32	21°20'34	63§	20°44'22	9°30'84	71°10'85	8°6									
9351	5	9°25'19	21°50'71	3*	20°59'61	9°61'92											
9352	3*	9°39'64	21°03'68	3*	20°76'06	9°15'06											
9353	5	12°12'95	21°35'51														
9354	5	13°60'83	21°60'42														
9355	32§	3°75'62	22°90'25	23§	15°03'55	10°74'79											
9356	8	9°84'46	22°71'10	4*	21°12'91	10°85'41											
9357	71§	10°34'29	22°37'94	83§	21°64'40	10°54'25	71°10'87	7°5									
9358	18§	10°53'53	22°78'72	15	21°81'54	10°96'18											
								R.A. 21 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup>									
Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 1503. 1893, Sept. 23.				Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 1503. 1893, Sept. 23.					
9389	17	15°31'53	14°95'63	16	3°67'70	3°18'93		m.	9389	17	15°31'53	14°95'63	16	3°67'70	3°18'93		
9390	4	15°70'05	14°72'64						9390	4	15°70'05	14°72'64					
9391	14	20°18'86	14°19'58	16	8°50'72	2°17'94			9391	14	20°18'86	14°19'58	16	8°50'72	2°17'94		
9392	21§	22°01'43	14°56'15	30	10°34'74	2°45'72	70°12'07	9°5	9392	21§	22°01'43	14°56'15	30	10°34'74	2°45'72	70°12'07	9°5
9393	5	23°28'79	14°16'24						9393	5	23°28'79	14°16'24					
9394	23§	23°54'48	14°76'68	26	11°88'72	2°58'25	70°12'10	9°5	9394	23§	23°54'48	14°76'68	26	11°88'72	2°58'25	70°12'10	9°5
9395	6	15°43'63	15°55'03						9395	6	15°43'63	15°55'03					
9396	60§	16°70'58	15°58'64	78§	5°10'06	3°74'83	70°12'04	7°5	9396	60§	16°70'58	15°58'64	78§	5°10'06	3°74'83	70°12'04	7°5
9397	4	18°71'56	15°87'95						9397	4	18°71'56	15°87'95					
9398	20§	19°08'85	15°67'96	26	7°48'48	3°71'95			9398	20§	19°08'85	15°67'96	26	7°48'48	3°71'95		
9399	20§	19°85'70	15°99'13	23	8°26'87	3°98'85			9399	20§	19°85'70	15°99'13	23	8°26'87	3°98'85		



## ZONE + 71°.

R.A. 21 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 21 <sup>h</sup> 48 <sup>m</sup> to 22 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 1503. 1893, Sept. 23.				Centre R.A. 21 <sup>h</sup> 48 <sup>m</sup> Dec. + 71° Plate 2774. 1895, Aug. 4.				R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. + 72° Plate 1503. 1893, Sept. 23.					
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.		
9406	19	22°39'89	16°77'81	26	10°84'72	4°64'81	71 1101	m. 9'5	9465	49§	22°89'75	25°28'90	45§	11°77'47	13°12'40	71 1102	m. 9'1
9407	5	22°53'77	16°69'04	4*	10°98'53	4°55'42			9466	5	23°13'37	25°28'77					
9408	5	24°42'22	16°90'38	4*	12°87'39	4°67'12											
9409	57§	14°66'55	17°46'20	75§	3°15'91	5°72'90	71 1092	8·5		93§	16°61'56	26°15'89				71 1096	7·0
9410	32§	18°83'50	17°84'34	39§	7°33'54	5°89'38	71 1098	9·4		71§	26°06'25	21°07'38				71 1104	8·5
9411	5	22°05'44	17°72'34	4*	10°55'08	5°60'56											
9412	7	14°11'52	18°74'81	6*	2°67'25	7°04'11											
9413	5	15°56'98	18°24'04														
9414	7	15°57'93	18°58'77														
9415	50§	15°94'61	18°89'98	59§	4°51'18	7°09'78	71 1095	8·2									
9416	4†	17°43'84	18°65'99														
9417	8	17°88'98	18°15'48	6†	6°41'45	6°25'26											
9418	9	23°14'22	18°54'45	8†	11°67'57	6°37'74											
9419	18	23°31'26	18°85'80	16	11°86'30	6°67'84											
9420	4	15°78'32	19°68'33														
9421	21§	19°67'48	19°20'16	24	8°25'18	7°20'47											
9422	21§	21°68'71	19°47'60	29§	10°27'42	7°37'95	71 1100	9·5									
9423	13	22°06'87	19°20'25	13	10°63'91	7°08'85											
9424	7†	25°09'38	19°27'35	10	13°66'65	7°00'20											
9425	5	14°44'68	20°53'87														
9426	19§	14°77'03	20°25'51	19	3°40'54	8°50'63											
9427	46§	14°81'95	20°07'10	59§	3°44'46	8°32'20	71 1093	8·9									
9428	19§	15°20'31	20°58'90	21	3°85'55	8°82'06											
9429	20§	15°28'12	20°67'17	25	3°93'79	8°90'11	71 1094	9·4									
9430	4	17°12'59	20°61'82	3*	5°77'47	8°75'02											
9431	80§	17°44'64	20°15'83	87§	6°07'48	8°27'52	71 1097	6·7									
9432	9	19°73'54	20°41'98	11	8°37'35	8°42'01											
9433	12	23°38'46	20°57'10	14†	12°02'18	8°38'54											
9434	9	23°44'55	20°19'54	11	12°06'43	8°00'28											
9435	15	18°04'35	21°47'19	17	6°73'73	9°55'75											
9436	7	18°81'31	21°62'60	4*	7°51'48	9°67'28											
9437	24§	19°49'83	21°83'94	38§	8°20'98	9°85'04	71 1099	9·1									
9438	6	17°13'57	22°24'07	4†	5°86'64	10°37'00											
9439	5	19°18'47	22°99'65	4*	7°94'83	11°02'42											
9440	5	19°86'43	22°69'80	4*	8°61'51	10°68'96											
9441	13	20°12'97	22°80'28	12	8°88'42	10°78'16											
9442	5*	21°72'61	22°70'59	4*	10°47'56	10°60'36											
9443	19	21°09'75	22°87'30	20	10°66'50	10°76'19											
9444	5*	24°65'14	22°93'21	4*	13°41'19	10°68'07											
9445	5	16°57'55	23°79'93														
9446	4	17°83'16	23°91'26														
9447	6	18°30'15	23°52'40	4*	7°09'64	11°59'26											
9448	4	19°43'43	23°24'24	4*	8°21'44	11°25'51											
9449	13	21°57'32	23°22'38	15	10°34'83	11°12'79											
9450	8	22°71'47	23°38'77	7†	11°49'59	11°23'15											
9451	7*	24°38'50	23°02'95	8	13°15'18	10°78'73											
9452	8	15°32'70	24°17'49	4*	4°15'89	12°39'51											
9453	7	16°17'12	24°99'38	10	5°04'38	13°17'05											
9454	11	17°09'93	24°39'81	11	6°75'03	12°48'45											
9455	12	17°99'30	24°34'99	12	6°83'17	12°43'43											
9456	12	20°10'07	24°13'03	15	8°92'50	12°10'63											
9457	10	20°68'52	24°29'86	8†	9°51'77	12°24'44											
9458	8*	23°96'84	24°83'01	8	12°82'12	12°60'94											
9459	10	20°46'03	24°96'90	11	9°32'64	12°92'93											
9460	22§	14°41'60	25°01'38	26	3°29'39	13°28'14											
9461	5	20°02'98	25°31'97	4*	8°91'48	13°29'71											
9462	22§	20°03'07	25°76'38	25§	8°93'88	13°74'29											
9463	6	20°36'40	25°28'23	6†	9°24'55	13°24'22											
9464	25	21°77'52	25°38'94	24	10°66'38	13°28'04											

1 réseau interval represents very nearly 5' = 61·4 of R.A. at Dec. + 71°, and 64·7 at Dec. + 72°.

## ZONE + 71°.

R.A. 22 <sup>h</sup> 0 <sup>m</sup> to 22 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2871. 1895, Sept. 21.				Centre R.A. 22 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 1503. 1893, Sept. 23.				Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2871. 1895, Sept. 21.				Centre R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3267. 1896, Oct. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	No.	Diam.	x.	y.	Diam.	x.	y.	B.D.
							No. Mag.								No. Mag.
9515	178	13.2652	20.0385	16	24.6892	8.2590	° m.	9568	5	20.9673	15.5005	3*	9.1705	3.3739	° m.
9516	308	13.6149	20.4927	508	25.0153	8.7294	71 1114 9.0	9569	10	21.4900	15.0388	8	9.6669	2.8809	
9517	508	3.3344	21.0323	628	14.7229	8.7479	71 1104 8.5	9570	13	21.6825	15.1516	12	9.8650	2.9835	
9518	4	3.5034	21.1172					9571	14	22.9322	15.3705	10	11.1255	3.1337	
9519	6	3.7482	21.9013	5*	15.0850	9.6401		9572	5	24.0614	15.5859	3*	12.2676	3.2872	
9520	5	4.0820	21.6804	4	15.4303	9.4321		9573	4	14.9176	16.1761				
9521	6	6.3563	21.0500	5*	17.7365	9.9209		9574	4	15.4289	16.8030				
9522	6	7.7564	21.2766	4*	19.1245	9.2169		9575	408	15.7442	16.0413	448	3.9860	4.1875	70 1225 8.8
9523	928	10.5203	21.4384	1028	21.8757	9.5184	71 1112 6.7	9576	8	17.5752	16.2302	6	5.8231	4.2787	
9524	3	11.4769	21.2748					9577	258	17.6150	16.8444	278	5.8990	4.8888	71 1122 9.0
9525	258	12.8335	21.2142	428	24.1965	9.4127	71 1113 9.1	9578	368	17.7062	16.5692	428	5.9743	4.6078	70 1228 8.8
9526	4	13.4142	21.0299					9579	4	19.8830	16.6966				
9527	338	13.7662	21.1813	528	25.1327	9.4273	71 1115 8.8	9580	548	20.1721	16.3209	528	8.4227	4.2302	70 1231 7.8
9528	6†	2.9484	22.7761	6	14.2434	10.4712		9581	16	21.8774	16.1443	11	10.1158	3.9641	
9529	478	7.3310	22.9403	678	18.6135	10.8567	71 1107 7.5	9582	368	23.8274	16.2860	398	12.0693	3.9973	70 1237 9.1
9530	348	7.7426	22.5573	448	19.0430	10.4964	71 1108 8.7	9583	6	23.8421	16.5395	4*	12.0989	4.2503	
9531	16	8.1081	22.9488	11	19.3889	10.9057		9584	15	24.3051	16.4443	14	12.5548	4.1298	
9532	4	8.5254	22.5671					9585	6	24.3952	16.7571	7†	12.6599	4.4404	
9533	4	10.6254	22.5461					9586	12	25.6686	16.8815	12	13.9450	4.4948	
9534	3	11.5893	22.3184					9587	4	15.3537	17.1781				
9535	208	11.8100	22.8749	21	23.0912	11.0183		9588	6	15.9080	17.6811	4†	4.2372	5.8240	
9536	10	4.7064	23.8151	8	15.9473	11.5985		9589	198	17.1047	17.0625	21	5.3974	5.1363	
9537	8	7.6184	23.7140	7†	18.8620	11.6434		9590	318	18.4398	17.5897	408	6.7583	5.5918	71 1123 8.9
9538	6	8.1692	23.3023	5	19.4340	11.2597		9591	9	19.0641	17.9955	7*	7.4003	5.9599	
9539	17	10.0669	23.7645	12	21.3030	11.8201		9592	4	20.1042	17.2248				
9540	10	11.8517	23.9253	8	23.0797	12.0703		9593	21	20.2381	17.6401	23	8.5594	5.5440	
9541	6	13.2254	23.4176					9594	4	20.6848	17.1910	3*	8.9781	5.0741	
9542	248	3.7329	24.4962	19	14.9393	12.2285		9595	4	20.1747	17.4986				
9543	17	4.0095	24.0498	15	15.2436	11.7955		9596	258	20.7434	17.5893	338	9.0585	5.4648	71 1124 9.5
9544	5	4.6865	24.2351	4*	15.9040	12.0191		9597	4	21.3710	17.7408	3*	9.6901	5.5866	
9545	18	6.1246	24.1139	14	17.3516	11.9675		9598	188	22.6216	17.2507	20	10.9160	5.0260	
9546	778	7.7874	24.6561	958	18.9833	12.5922	71 1109 7.2	9599	208	23.6242	17.3402	20	11.9249	5.0634	
9547	6	10.0332	24.4024	4†	21.2346	12.4565		9600	6	25.0295	17.7089	4	13.3468	5.3548	
9548	1058	10.1806	24.2031	1188	21.3955	12.2615	71 1111 5.2	9601	318	25.1324	17.0991	278	13.4171	4.7390	
9549	17	11.6775	24.0476	12	22.8968	12.1832		9602	318	25.3993	17.5302	278	13.7040	5.1540	71 1132 9.5
9550	3*	6.5398	25.9131	3*	17.6687	13.7849		9603	16	25.4973	17.8588	13	13.8205	5.4760	
9551	10	9.2895	25.3366	8	20.4500	13.3494		9604	6	25.5818	17.1811	4	13.8711	4.7956	
9552	6	11.6936	25.2893	4†	22.8525	13.4249		9605	8	14.9522	18.7400	6	3.3378	6.9293	
9553	518	13.9135	25.6047	648	25.0495	13.8535	71 1116 8.0	9606	4	15.0185	18.3284				
R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup>								9607	168	15.8153	18.1712	17	4.1712	6.3143	
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. +71° Plate 2871. 1895, Sept. 21.				Centre R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. +72° Plate 3267. 1896, Oct. 4.				9608	11	16.4468	18.1979	8	4.8020	6.3052	
9554	398	23.7153	13.9955	438	11.8365	1.7186	70 1235 9.0	9609	4	17.5749	18.3576				
9555	198	15.6686	14.3283	22	3.8195	2.4839	70 1224 9.5	9610	5	18.1148	18.4455	4*	6.4783	6.4623	
9556	6	16.5934	14.3658					9611	17	19.6760	18.3636	16	8.0368	6.2955	
9557	5	17.1975	14.5691					9612	8	20.3566	18.2671	4*	8.7097	6.1624	
9558	11	19.0755	14.5815	10	7.3237	2.5545		9613	3	21.3156	18.5166				
9559	298	19.7203	14.9250	378	7.8944	2.8566	70 1230 9.0	9614	4	22.5870	18.7224	4*	10.9606	6.4973	
9560	4	14.5909	15.5197					9615	258	23.7057	18.0653	238	12.0405	5.7823	
9561	6	15.1052	15.3937					9616	238	23.7491	18.1286	218	12.0890	5.8425	
9562	4	15.8150	15.6234					9617	17	25.3022	18.4300	13	13.6580	6.0565	
9563	258	15.8842	15.1924	28	4.0803	3.3362	70 1226 9.5	9618	8	15.3905	19.7459	4*	3.8301	7.9057	
9564	4	18.2965	15.1700					9619	20	15.4705	19.2002	19	3.8823	7.3610	71 1119 9.5
9565	4	19.9643	15.4881					9620	218	16.1058	19.1957	21	4.5129	7.3194	
9566	4	20.1733	15.1353					9621	16	16.4481	19.6810	18	4.8842	7.7845	
9567	17	20.9406	15.5007	15	9.1427	3.3708		9622	348	17.1253	19.4199	398	5.5445	7.4887	71 1120 9.2
								9623	238	17.3639	19.7785	248	5.8009	7.8345	71 1121 9.4
								9624	158	18.2138	19.5589	15	6.6375	7.5658	
								9625	3	18.8966	19.8401				
								9626	188	18.9247	19.8619	20	7.3643	7.8328	



## ZONE + 71°.

R.A. 22 <sup>h</sup> 12 <sup>m</sup> to 22 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 12 <sup>m</sup> Dec. +71°				Centre R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. +72°				Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°				Centre R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. +72°			
Plate 2871. 1895, Sept. 21.				Plate 3267. 1896, Oct. 4.				Plate 2943. 1895, Nov. 14.				Plate 3267. 1896, Oct. 4.			
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B.D. No. Mag.
9627	21§	21°1953	19°6201	20	9°6198	7°4702	° m.	9680	10	9°4255	14°3834				° m.
9628	18	24°3613	19°9780	14	12°8000	7°6536		9681	6	10°2801	14°6812				
9629	6	14°8436	20°1709					9682	18	10°6746	14°6233	11	22°1564	2°8215	
9630	17	14°9324	20°5867	14	3°4194	8°7728		9683	9	13°0729	14°1995				
9631	11	17°0592	20°8659	11	5°5570	8°9342		9684	4	13°3802	14°7211				
9632	4	17°9241	20°7304					9685	10	3°8637	15°2073	4*	15°3246	3°0970	
9633	4	18°1425	20°7029					9686	6	4°1852	15°4724				
9634	7	18°6411	20°7514	9	7°1338	8°7352		9687	25§	4°4925	15°6132	21§	15°9370	3°5329	70 1245 9°4
9635	7	19°5683	20°1055	3*	8°0216	8°0391		9688	36§	4°7829	15°9680	33§	16°2107	3°8978	70 1246 8°8
9636	48§	24°1187	20°6089	47§	12°5908	8°3027	71 1130 8°5	9689	4	5°2105	15°5647				
9637	22§	22°1092	20°7773	21§	10°5914	8°5783	71 1128 9°5	9690	11	5°2246	15°7470	5†	16°6600	3°6954	
9638	23§	22°7471	20°7931	20§	11°2309	8°5588		9691	31§	6°1464	15°9305	26§	17°5756	3°9226	70 1248 9°5
9639	3	22°9793	20°1139	3*	11°4283	7°8661		9692	4	6°2154	15°2673				
9640	13	23°9530	20°2953	11	12°4092	7°9950		9693	11	6°6499	15°6934	6	18°0884	3°7066	
9641	7	14°8494	21°0263	4*	3°3624	9°2142		9694	6	7°6791	15°1820				
9642	4	19°5555	21°2290					9695	7	8°0388	15°8045				
9643	8	21°7253	21°2004	7	10°2325	9°0223		9696	5	9°8545	15°4277				
9644	19	22°4846	21°9500	15	11°0307	9°7273		9697	11	11°3258	15°3111				
9645	9	23°7957	21°7512	7	12°3315	9°4605		9698	6	11°3314	15°3262				
9646	19	24°4186	21°6899	17	12°9503	9°3612		9699	4†	11°5274	15°6680				
9647	5	14°5558	22°1233					9700	4	11°7664	15°1410				
9648	7	14°6913	22°0497	3*	3°2611	10°2441		9701	7	3°3827	16°4908	4*	14°7869	4°3541	
9649	15	15°8654	22°0303	3*	4°4291	10°1647		9702	5	5°3236	16°8674				
9650	4	19°5837	22°5704					9703	17§	5°4368	16°5523	13	16°8388	4°5119	
9651	4	19°7785	22°0270					9704	4	6°0748	16°3893				
9652	28§	21°3216	22°8425	22§	9°9190	10°6810	71 1126 9°4	9705	10	8°2643	16°5889	4	19°6582	4°6775	
9653	18	21°5623	22°9047	13	10°1614	10°7293		9706	6	8°6295	16°3673				
9654	43§	21°8855	22°0901	42§	10°4405	9°8998	71 1127 9°0	9707	4	8°7066	16°9146				
9655	13	22°9845	22°1109	10	11°5378	9°8627		9708	7	9°9615	16°5383	4*	21°3588	4°7026	
9656	12	23°4980	22°9795	9	12°0997	10°6983		9709	4	11°2503	16°9341				
9657	35§	24°8239	22°9378	25§	13°4197	10°5845		9710	26§	4°1298	17°0028	20§	15°5104	4°9038	71 1138 9°5
9658	9	15°0455	23°5928	8	3°6910	11°7715		9711	27§	5°6869	17°7992	21§	17°0295	5°7658	71 1141 9°5
9659	6	15°3704	23°9835	4*	4°0375	12°1392		9712	6	6°2591	17°9090				
9660	7	17°0455	23°8738	5	5°7047	11°9435		9713	6	7°7755	17°0125				
9661	18	17°1177	23°4002	16	5°7521	11°4643		9714	5	8°1696	17°8671				
9662	5	17°3015	23°8615	4	5°9590	11°9145		9715	20§	8°3496	17°9800	17§	19°6811	6°0687	
9663	6	18°6768	23°6463					9716	17§	8°5118	17°1050	11	19°8823	5°2010	
9664	10	20°8708	23°9918	8	9°5295	11°8535		9717	5	13°3261	17°6498				
9665	7	20°9930	23°0080	5	9°5983	10°8637		9718	4	4°2367	18°7931				
9666	28§	14°5901	24°9143	27§	3°3106	13°1123	71 1117 9°2	9719	6	4°4438	18°2218	5*	15°7696	6°1337	
9667	4	15°1736	24°8219					9720	5	7°2139	18°1325				
9668	4	16°4185	24°5815					9721	17§	7°4490	18°5021	9	18°7599	6°5498	
9669	5	23°1980	24°6005	4*	11°8846	12°3347		9722	8	7°6443	18°3798	4	18°9608	6°4334	
9670	10	23°3803	24°5239	9	12°0615	12°2496		9723	4	8°1840	18°5014				
9671	33§	23°4125	24°5803	23§	12°0987	12°3040	71 1129 9°3	9724	4	8°4467	18°9345				
9672	8	15°3796	25°2585	4*	4°1170	13°4153		9725	6	9°8345	18°0743				
9673	18	17°3737	25°1367	19	6°0992	13°1835		9726	5	11°0812	18°0615				
9674	7	20°1670	25°2341	6	8°8918	13°1337		9727	6	13°1705	18°1715				
9675	40§	23°5550	25°0523	29§	12°2668	12°7713		9728	5	13°8658	18°0573				
9676	5	24°2360	25°1022	6	12°9505	12°7799		9729	8	2°8357	19°4961	4*	14°1025	7°3355	
9677	55§	24°9928	25°8829	32§	13°7484	13°5206	71 1133 9°2	9730	4	3°9064	19°6548				
R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 36 <sup>m</sup>								9731	12	4°0353	19°1953	5	15°3183	7°0873	
Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°								9732	15§	6°0782	19°9316	7	17°3247	7°9149	
Plate 2943. 1895, Nov. 14.								9733	21§	6°3578	19°7283	17	17°6132	7°7247	
Centre R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. +72°								9734	4	6°7320	19°6011				
Plate 3267. 1896, Oct. 4.								9735	5	6°9093	19°0078				
								9736	7	7°0460	19°2676	3*	18°3196	7°2962	
9678	7	7°0448	14°0879				° m.	9737	20§	8°4025	19°4747	14	19°6665	7°5630	
9679	15	7°5606	14°8243	8*	19°0326	2°8787		9738	6	9°0387	19°6828				

1 second interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71° and 64".7 at Dec. + 72°.

## ZONE + 71°.

No.	Diam.	x.	y.	Diam.	x.	y.	B.D.		No.	Diam.	x.	y.	Diam.	x.	y.	B.D.	
							No.	Mag.								No.	Mag.
R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 24 <sup>m</sup> to 22 <sup>h</sup> 36 <sup>m</sup> —contd.									
Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°				Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 24 <sup>m</sup> Dec. + 72°					
Plate 2943. 1895, Nov. 14.				Plate 3267. 1896, Oct. 4.				Plate 2943. 1895, Nov. 14.				Plate 3267. 1896, Oct. 4.					
9739	10	9°1477	19°5206	5*	20°4094	7°6427			9798	8	10°5623	22°9863	3*	21°6676	11°1683		
9740	5	9°5773	19°1977						9799	19§	10°8349	22°8721	11	21°9433	11°0654		
9741	5	9°6675	19°5191	3*	20°9296	7°6645			9800	31§	10°9613	22°3750	21§	22°0911	10°5755	71 1147	9°5
9742	6	11°4449	19°3263						9801	25§	11°3652	22°0875	26§	22°5100	10°3077	71 1148	9°5
9743	4	11°5437	19°2946						9802	52§	3°3075	23°4502	27§	14°3994	11°3050	71 1135	9°2
9744	28§	12°0355	19°2538	28§	23°3076	7°5065	71 1151	9°5	9803	7*	3°7314	23°9002	4*	14°7996	11°7765		
9745	12	12°0355	19°8474	6	23°2800	8°0984			9804	34§	4°3947	23°8051	18	15°4681	11°7086		
9746	6	12°0584	19°5881						9805	16	4°4568	23°9253	7	15°5250	11°8311		
9747	18§	13°0645	19°9448	15	24°3031	8°2443			9806	32§	5°3520	23°6426	17	16°4302	11°5878		
9748	23§	13°3014	19°8682	20	24°5436	8°1765	71 1153	9°4	9807	13	6°1853	23°2795	5	17°2802	11°2650		
9749	10	3°6305	20°4758	4	14°8522	8°3496			9808	9	10°1828	23°0460	6	21°2853	11°2100		
9750	4	4°0455	20°5654						9809	12	10°5100	23°1780	7	21°6059	11°3557		
9751	25§	4°6934	20°9011	18	15°8995	8°8228			9810	4	10°5582	23°5600					
9752	3	5°9613	20°4748	3*	17°1796	8°4538			9811	7	10°9081	23°2211					
9753	15	6°4426	20°1219	9	17°6799	8°1231			9812	13	11°4192	23°1372	6	22°5140	11°3578		
9754	6	6°6059	20°5455	4*	17°8248	8°5525			9813	36§	11°5129	23°9501	28§	22°5711	12°1757	71 1150	9°1
9755	7	6°9108	20°7748	3*	18°1164	8°7957			9814	4	11°5396	23°3753					
9756	6	7°2475	20°9586	4†	18°4453	8°9936			9815	23§	12°5790	23°7130	19	23°6468	11°9850		
9757	24§	7°9743	20°1597	18	19°2096	8°2289			9816	57§	3°1539	24°5703	28§	14°1929	12°4158	71 1134	9°4
9758	4	8°1536	20°2588						9817	38§	3°9313	24°5021	19	14°9725	12°3857	71 1136	9°3
9759	12	8°4733	20°4360	7	19°6945	8°5275			9818	46§	4°0458	24°9221	23§	15°0692	12°8084	71 1137	9°0
9760	6	8°6003	20°8794						9819	24	4°4860	24°9486	12	15°5079	12°8558		
9761	6	9°1716	20°5403	3*	20°3888	8°6648			9820	6	5°1108	24°5243	5	16°1500	12°4611		
9762	8	10°6543	20°5944	3*	21°8683	8°7832			9821	12	6°1736	24°3660	6	17°2189	12°3479		
9763	29§	11°5124	20°7364	23§	22°7194	8°9653			9822	6	7°8923	24°5998					
9764	4	13°2329	20°7981						9823	9	8°2339	24°6503	4	19°2611	12°7266		
9765	12	13°3729	20°6025	8	24°5811	8°9136			9824	9	9°4834	24°6760	3*	20°5109	12°8071		
9766	5	13°8732	20°5845						9825	4	9°8152	24°8944	3*	20°8303	13°0438		
9767	5	3°2712	21°3993	4*	14°4554	9°2558			9826	5	12°6595	24°9316					
9768	5†	3°9057	21°1998	4*	15°0994	9°0837			9827	19§	12°8454	24°1208	13	23°8969	12°4051		
9769	27§	4°5925	21°1314	18	15°7869	9°0468	71 1140	9°4	9828	6	13°1231	24°6366	3*	24°1493	12°9323		
9770	9	4°7827	21°7811	4*	15°9472	9°7057			9829	4	13°3861	24°0943					
9771	6	6°1360	21°1758	4*	17°3258	9°1626			9830	16	13°6956	24°5556	7*	24°7230	12°8762		
9772	5	6°2649	21°2243	4*	17°4514	9°2150			9831	38§	6°1499	25°5170	20§	17°1421	13°4989		
9773	4	7°6593	21°5306						9832	28	6°7860	25°5428	12	17°7786	13°5543		
9774	4	8°1675	21°6324						9833	4*	6°5413	25°9017	2*	17°5158	13°8972		
9775	4	8°2362	21°7928						9834	33§	7°6283	25°2299	19	18°6345	13°2784		
9776	5	9°9051	21°7796						9835	4	9°1707	25°3554					
9777	14	10°9302	21°7115	6	22°0895	9°9139			9836	6	9°3147	25°6555	4*	20°2996	13°7815		
9778	10	12°0210	21°9860	4*	23°1679	10°2375			9837	38§	10°1025	25°1710	27§	21°1091	13°3324	71 1145	9°3
9779	6	12°1022	21°2367						9838	6	10°7320	25°3278	3*	21°7317	13°4257		
9780	9	12°8174	21°9848	4*	23°9682	10°2679			9839	6	11°0435	25°4981	2*	22°0305	13°6991		
9781	6	13°6105	21°1378						9840	8	11°2850	25°0078	5*	22°2968	13°2212		
9782	5	13°6486	21°1328						9841	30§	12°2882	25°3298	21§	23°2835	13°5867	71 1152	9°5
9783	4	13°7010	21°1786						9842	26§	13°4863	25°1935	17§	24°4879	13°5055	71 1154	9°5
9784	6*	2°8999	22°1497	4*	14°0506	9°9880			9843	4	13°6946	25°5586					
9785	16	3°0675	22°2415	7	14°2121	10°0872			9844	4	13°9800	25°1610					
9786	44§	4°4549	22°8285	26§	15°5727	10°7368	71 1139	8°2									
9787	12	4°9149	22°6310	5	16°0400	10°5592											
9788	25§	5°4728	22°2177	16	16°6194	10°1736											
9789	5	6°3833	22°8230	4	17°4987	10°8229											
9790	5	6°7597	22°2870														
9791	34§	7°4709	22°4994	26§	18°5995	10°5440	71 1142	9°5									
9792	4	10°0215	22°1912														
9793	4	10°0893	22°3879														
9794	34§	10°3018	22°8496	27§	21°4128	11°0213	71 1146	9°4									
9795	4	10°3902	22°4165														
9796	5	10°4606	22°4763														
9797	7	10°5514	22°8690														
R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup>								R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup>									
Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°				Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°					
Plate 2943. 1895, Nov. 14.				Plate 2906. 1895, Oct. 4.				Plate 2943. 1895, Nov. 14.				Plate 2906. 1895, Oct. 4.					
9845	6	15°2904	13°9900						9845	6	15°2904	13°9900					
9846	25§	23°3325	13°9793	19	11°5146	1°9823			9846	25§	23°3325	13°9793	19	11°5146	1°9823		
9847	42§	14°6412	14°5899	39	2°8651	3°0297			9847	42§	14°6412	14°5899	39	2°8651	3°0297	70 1257	9°4
9848	8	17°3881	14°1150						9848	8	17°3881	14°1150					

1 réseau interval represents very nearly 5' = 61°.4 of R.A. at Dec. + 71° and 64°.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°				Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. + 71°				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 72°			
Plate 2943. 1895, Nov. 14.				Plate 2906. 1895, Oct. 4.				Plate 2943. 1895, Nov. 14.				Plate 2906. 1895, Oct. 4.			
No.	Diam.	z.	y.	Diam.	z.	y.	B. D.	No.	Diam.	z.	y.	Diam.	z.	y.	B. D.

1 réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> —contd.									R.A. 22 <sup>h</sup> 36 <sup>m</sup> to 22 <sup>h</sup> 48 <sup>m</sup> —contd.										
Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Centre R.A. 22 <sup>h</sup> 36 <sup>m</sup> Dec. +71°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72°				
Plate 2943. 1895, Nov. 14.			Plate 2906. 1895, Oct. 4.			Plate 2943. 1895, Nov. 14.			Plate 2906. 1895, Oct. 4.			Plate 2943. 1895, Nov. 14.			Plate 2906. 1895, Oct. 4.				
No.	Diam.	x.	y.	Diam.	x.	y.	B.D.		No.	Diam.	x.	y.	Diam.	x.	y.	B.D.			
								No.	Mag.									No.	Mag.
9967	16	15°0452	21°6889	9	3°6275	10°0991	°	m.	10026	8	22°6340	24°3794	4*	11°3433	12°4055	°	m.		
9968	4	15°7725	21°5951						10027	19	22°6960	24°2975	8	11°3994	12°3207				
9969	6	16°4494	21°9758	4*	5°0458	10°3158			10028	27	23°1106	24°9680	10	11°8458	12°9670				
9970	21§	16°5693	21°9304	15	5°1627	10°2651			10029	14	23°2925	24°6224	6	12°0093	12°6125				
9971	6	16°5881	21°4656	4*	5°1553	9°7989			10030	13	23°7043	24°3430	6	12°4089	12°3143				
9972	4	17°5753	21°7746						10031				3	12°5486	12°5778				
9973	8	19°0360	21°3539	5	7°5961	9°5653			10032	6	23°8278	24°5196	4	12°5421	12°4837				
9974	8	19°1082	21°0193	4	7°6514	9°2264			10033	10	14°5259	25°0878	5†	3°2816	13°5218				
9975	7	19°1932	21°9509	4	7°7806	10°1550			10034	19	15°3135	25°2894	8	4°0784	13°6814				
9976	4	20°1772	21°9108						10035	39§	16°1901	25°0663	26§	4°9406	13°4146	71 1156	9°0		
9977	17	20°1772	21°3914	9	8°7391	9°5437			10036	6	16°2106	25°4017	4	4°9778	13°7465				
9978	8	20°2036	21°3271	3	8°7625	9°4784			10037	20	16°3828	25°3242	8	5°1452	13°6617				
9979	23§	20°2558	21°5852	14	8°8270	9°7235			10038	4	17°7640	25°3826							
9980	18	21°1105	21°3399	6	9°6671	9°4469			10039	9	17°8137	25°2405	5	6°5695	13°5080				
9981	4	22°3514	21°1717	4	10°8970	9°2150			10040	13	17°9245	25°4547	7	6°6920	13°7163				
9982	8	23°0217	21°2821	3*	11°5730	9°2920			10041	18	18°3346	25°2145	7	7°0892	13°4541				
9983	6	23°4118	21°9720						10042	6	18°7904	25°2723	4	7°5493	13°4900				
9984	7	24°4689	21°5688	4	13°0353	9°5032			10043	18	19°1085	25°6505	8	7°8866	13°8526				
9985	67§	24°4865	21°4235	40§	13°0448	9°3577	71 1165	8°0	10044	7	21°1216	25°5910	4	9°8897	13°6913				
9986	4	14°5766	22°3584						10045	18	21°8640	25°0761	8	10°6060	13°1375				
9987	4	14°7637	22°7354						10046	9	22°5558	25°3006	6	11°3098	13°3287				
9988	20§	15°5959	22°1700	14*	4°2017	10°5542			10047	9	22°5663	25°7554	5	11°3440	13°7845				
9989	12	15°7248	22°8071	4	4°3621	11°1812			10048	21	24°8720	25°0976	10	13°6128	13°0085				
9990	4	17°2111	22°1297							96§	24°5155	26°7896				71 1166	8°2		
9991	4	17°3511	22°4778							98§	26°4963	26°8928				71 1169	8°6		
9992	4	17°3646	22°2218						R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup>										
9993	5	18°4973	22°2071	3†	7°0982	10°4430			Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71°			R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72°			Plate 2908. 1895, Oct. 4.				
9994	5	19°5453	22°5475	4	8°1636	10°7290			Plate 2906. 1895, Oct. 4.			Plate 2906. 1895, Oct. 4.							
9995	6	19°5609	22°4949	4	8°1751	10°6766			10049	4†	3°9708	14°5399	4*	15°6481	2°2983	°	m.		
9996	6	19°5844	22°4939	4	8°1991	10°6758			10050	15	4°7334	14°0675	18	16°4330	1°8614				
9997	6	19°7655	22°5742	4*	8°3867	10°7457			10051	10	5°8307	14°0050	6*	17°5344	1°8577				
9998	21§	20°1942	22°4437	12	8°8081	10°5931			10052	4*	6°0780	14°0441	3*	17°7773	1°9076				
9999	3	20°5197	22°2789						10053	10	2°7860	15°2482	11	14°4258	2°9390				
10000	22	21°3688	22°8460	10	10°0000	10°9355			10054	4†	4°4515	14°8774	3*	16°1090	2°6584				
10001	13	21°7302	22°9453	6	10°3665	11°0193			10055	40§	5°9163	14°2551	42§	17°6070	2°1112	70 1284	8°0		
10002	4	22°5661	22°8201	3*	11°1948	10°8529			10056	4	6°0705	15°0663	3*	17°7190	2°9325				
10003	11	23°0852	22°2289	6	11°6834	10°2347			10057	6	6°4524	14°2101	5	18°1443	2°0929				
10004	6	23°1151	22°7476	3*	11°7426	10°7524			10058	4†	6°7277	14°3620	4*	18°4085	2°2596				
10005	34§	23°4680	22°5624	13	12°0845	10°5467			10059	4	7°7036	14°8044							
10006	10	24°9875	22°8873	6	13°6183	10°7991			10060	7	8°3771	14°8161	5*	20°0294	2°7985				
10007	14	16°8283	23°8296	5	5°5162	12°1485			10061	11	9°3651	14°4528	8	21°0372	2°4862				
10008	4	17°1540	23°7380	4*	5°8345	12°0422			10062	7	9°9933	14°6125	5†	21°6563	2°6793				
10009	10	18°2202	23°5400	4†	6°8907	11°7866			10063	5	11°6249	14°5944	3*	23°2876	2°7484				
10010	10	19°5388	23°2898	5	8°1955	11°4726			10064	13	5°7493	15°6634	15	17°3653	3°5093				
10011	3	19°5548	23°5805	3†	8°2238	11°7638			10065	10	7°0400	15°6945	13	18°6531	3°6055				
10012	28	23°1510	23°1736	11	11°7962	11°1724			10066	4	8°4657	15°9845							
10013	11	24°7120	23°1891	6	13°3573	11°1111			10067	9	8°7615	15°9098	11	20°3616	3°9123				
10014	9	25°0918	23°5208	6	13°7514	11°4269			10068	4†	9°0273	15°1952	3*	20°6665	3°2109				
10015	6†	25°1859	23°1371	4*	13°8258	11°0372			10069	24§	9°3914	14°9825	40§	21°0382	3°0145	70 1289	9°5		
10016	16	25°2407	23°0200	7	13°8768	10°9162			10070	12	11°5436	15°5557	12	23°1586	3°7016	70 1297	9°5		
10017	5	16°3063	24°3160						10071	12	11°5934	14°8584	11	23°2390	3°0092	70 1298	9°5		
10018	5	16°7098	24°8953	3*	5°4486	13°2184			10072	9	12°4929	15°2732	5*	24°1224	3°4723				
10019	20	16°9348	24°1129	10	5°6353	12°4255			10073	6	12°8516	15°4696	4*	24°4661	3°6849				
10020	7	17°2960	24°8906	4	6°0370	13°1820			10074	4	13°0753	15°8422							
10021	23§	17°3771	24°9573	15	6°1228	13°2450	71 1160	9°4											
10022	16	18°1017	24°9775	5	6°8445	13°2260													
10023	6	18°5660	24°8926	4	7°3058	13°1227													
10024	20	19°3320	24°5357	8	8°0522	12°8255													
10025	8	21°3606	24°2067	4	10°0615	12°2937													

No. 9988. Plate 2906. The 3<sup>m</sup> image coincides with a fault in the plate.r réseau interval represents very nearly 5' = 61<sup>s</sup>.4 of R.A. at Dec. + 71° and 64<sup>s</sup>.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2908. 1895, Oct. 4.				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 2906. 1895, Oct. 4.				Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71° Plate 2908. 1895, Oct. 4.				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. +72° Plate 2906. 1895, Oct. 4.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.
10075	3*	2.8055	15.4879	4*	14.4337	3.1825		10134	3*	7.4609	18.5917	4	18.9245	6.5213	
10076	4	3.1260	15.7934	4	14.7383	3.5028		10135	4*	7.5643	18.7058	4	19.0205	6.6435	
10077	13	3.7463	16.0030	19	15.3479	3.7425		10136	4	9.3953	18.6019	4*	20.8529	6.6315	
10078	3*	4.4887	16.1047	4	16.0802	3.8834		10137	5	9.7929	18.0662	9	21.2765	6.1197	
10079	2*	6.2998	15.8460	4*	17.9055	3.7132		10138	14§	10.8158	18.6519	22	22.2685	6.7560	
10080	16	2.4677	16.8672	18§	14.0233	4.5388		10139	9	11.4156	18.2812	16	22.8862	6.4172	71 1178 9.4
10081	17§	2.7705	16.5816	20§	14.3421	4.2701		10140	6	11.5599	18.4269				
10082	4*	3.3488	17.1901	5	14.8873	4.9061		10141	6	11.5794	18.4926	8*	23.0384	6.6362	
10083	4	3.3685	16.5428	5	14.9416	4.2647		10142	5	12.1165	18.3958	8	23.5804	6.5681	
10084	6	4.2160	16.3386	12	15.7997	4.1022		10143	4*	4.8510	19.7773	5	16.2540	7.5724	
10085	4*	4.5761	16.4296	7	16.1513	4.2130		10144	7	6.1414	19.5026	4	17.5534	7.3633	
10086	12	5.2605	16.3807	19	16.8376	4.1993	70 1281 9.5	10145	7	6.5309	19.7532	11	17.9297	7.6345	
10087	6	5.3434	16.3206	9*	16.9256	4.1405		10146				4	18.0701	7.3523	
10088	33§	5.4019	16.9788	34§	16.9515	4.8018	70 1282 9.0	10147	30§	6.9995	19.8922	31§	18.3921	7.7975	71 1173 8.1
10089	7	5.4062	16.3781	(5*)	16.9859	4.2041		10148	3	7.3455	20.0018	4	18.7319	7.9225	
10090	3*	5.5085	16.9906	5*	17.0580	4.8184		10149	3*	8.1663	19.4514	4	19.5798	7.4156	
10091	14	6.6874	16.3991	18	18.2666	4.2901		10150	3	8.6860	19.9031	4	20.0741	7.8992	
10092	4	7.0801	16.2426	5	18.6658	4.1537		10151	4	10.7859	19.8771	5	22.1776	7.9776	
10093	10	7.5098	16.4661	13	19.0812	4.4025		10152	15§	10.9336	19.1301	21§	22.3609	7.2403	71 1179 9.4
10094	13	7.7607	16.8530	17	19.3122	4.8024		10153	4*	11.0470	19.5307	4*	22.4585	7.6438	
10095	3*	8.6998	16.5585	3*	20.2633	4.5539		10154	4	11.6209	19.1870	4†	23.0451	7.3351	
10096	5	8.8092	16.2665	8	20.3886	4.2724		10155	6	11.6410	19.1573	6	23.0663	7.3058	
10097	7	9.1867	16.3116	11	20.7622	4.3342		10156	5	13.7955	19.5044	4*	25.2009	7.7642	
10098	4†	9.7391	16.4865	4*	21.3051	4.5425		10157	6	3.5358	21.0515	5	14.8680	8.7725	
10099	6	10.0752	15.9325	5†	21.6702	4.0016		10158				5	14.8750	8.7718	
10100	12	10.7484	16.2528	18	22.3267	4.3543		10159				4	15.3157	8.5518	
10101	8	11.0622	16.5948	13	22.6202	4.7142		10160	3*	4.4587	21.0527	4	15.7954	8.8227	
10102	4	11.6694	16.6131	4*	23.2267	4.7648		10161	3*	4.8839	20.3649	4	16.2536	8.1616	
10103	6	11.9778	16.5367	8	23.5394	4.7034		10162	4	5.8616	20.4845	7	17.2262	8.3308	
10104	4	12.5935	16.5732	5*	24.1516	4.7693		10163	5	6.5973	20.2650	11	17.9710	8.1489	
10105	11	13.2415	16.7026	18	24.7949	4.9348		10164	3*	6.7178	20.6779	4†	18.0675	8.5672	
10106	4	13.9588	16.6056					10165	3†	6.7934	20.8877	4	18.1347	8.7776	
10107	36§	2.9481	17.5141	31§	14.4722	5.5125	71 1168 9.0	10166	4	7.6322	20.2478	7	19.0055	8.1844	
10108	15§	3.4447	17.5361	18§	14.9678	5.2587		10167	3	8.2128	20.9218	4	19.5539	8.8855	
10109	7	3.5353	18.0393	13	15.0270	5.7654		10168	7	8.4866	20.4257	12	19.8518	8.4064	
10110	8	3.8374	17.7324	10	15.3530	5.4727		10169	11	8.5646	20.3812	13	19.9280	8.3650	
10111	11	3.8613	17.5640	14	15.3798	5.3066		10170	20§	8.7607	20.6850	21§	20.1115	8.6784	71 1175 9.3
10112	7	4.9943	17.3039	10	16.5220	5.1076		10171	3*	9.1270	20.7898	4	20.4718	8.8041	
10113	(3*)	5.3244	17.9594	4	16.8183	5.7789		10172	4	10.4465	20.6355	5	21.7982	8.7205	
10114	3*	5.7896	17.7763	4	17.2937	5.6218		10173	13§	11.5651	19.9118	20	22.9515	8.0524	
10115	4	6.5686	17.3838	8	18.0947	5.2645		10174	3*	11.6630	20.2991	3*	23.0309	8.4438	
10116	3*	6.8985	17.4239	4	18.4192	5.3251		10175	6	11.7082	20.4035	8	23.0702	8.5517	
10117	4†	7.0685	17.8298	4	18.5721	5.7394		10176	12§	13.1328	20.7194	17	24.4758	8.9413	
10118	4	7.0303	17.2830	7	18.5596	5.1904		10177	14§	13.4753	20.2415	19§	24.8422	8.4806	
10119	4	7.0558	17.1483	6	18.5949	5.0548		10178	6	3.6734	21.6769	11	14.9813	9.4073	
10120	4*	7.8317	17.1429	4*	19.3675	5.0933		10179	7	5.0298	21.8327	9	16.3265	9.6325	
10121	5	8.1896	17.2584	6	19.7178	5.2285		10180	5	5.3529	21.9338	7	16.6416	9.7516	
10122	4*	9.6776	17.6788	4*	21.1785	5.7288		10181	10	5.5470	21.5526	12	16.8542	9.3823	
10123	5	10.4123	17.1017	7	21.9438	5.1889		10182	8	5.8680	21.2231	10	17.1949	9.0688	
10124	11	11.5590	17.1579	20	23.0875	5.3023		10183	21§	6.5260	21.2106	25§	17.8527	9.0885	71 1171 9.3
10125	5	12.1958	17.0259	7†	23.7309	5.2038		10184	4	8.9263	21.3225	8	20.2421	9.3259	
10126	7	13.7358	17.3429	8†	25.2548	5.6025		10185	5*	8.9695	21.0760	7	20.3013	9.0813	
10127	9	3.6963	19.2207	14	15.1309	6.9535		10186	4*	10.4479	21.2660	5	21.7667	9.3479	
10128	4	4.5320	19.0765	6	15.9723	6.8558		10187	4	11.6440	21.0976	5	22.9698	9.2423	
10129	4*	4.7504	18.4539	5	16.2209	6.2436		10188	6	11.6770	21.2100	10	22.9958	9.3561	
10130	8	5.4566	18.3061	13	16.9352	6.1304		10189	4*	13.1302	21.0411	5†	24.4568	9.2623	
10131	4*	6.5875	19.0257	5	18.0218	6.9133		10190	4*	3.1124	23.2186	6	14.3381	10.9128	
10132	5†	6.6024	19.0344	6	18.0420	6.9193		10191	12	3.7852	22.3974	15§	15.0503	10.1325	
10133	4*	7.2125	19.0326	5	18.6492	6.9498		10192	10	4.6644	22.3899	14	15.9305	10.1722	

No. 10089. Plate 2906. The 6<sup>m</sup> image coincides with a fault on the film. The diameter given is that of the 3<sup>m</sup> image.

No. 10113. Plate 2908. The 6<sup>m</sup> image falls on a réseau line. The diameter given is that of the 3<sup>m</sup> image.

No. 10140. Plate 2906. The 6<sup>m</sup> image coincides with the 3<sup>m</sup> image of No. 10141, and neither can be accurately measured. The 3<sup>m</sup> image is not seen on this plate.

Nos. 10157, 10158. Measured as one mass on Plate 2908.

1 réseau interval represents very nearly 5' = 61".4 at Dec. + 71°, and 64".7 at Dec. + 72°.

## ZONE + 71°.

R.A. 22 <sup>h</sup> 48 <sup>m</sup> to 23 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 2908. 1895, Oct. 4.				R.A. 22 <sup>h</sup> 48 <sup>m</sup> Dec. + 72° Plate 2906. 1895, Oct. 4.				Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 2908. 1895, Oct. 4.				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4757. 1899, Dec. 25.				
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	B. D.	
No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.	No.	Diam.	$\alpha$ .	$\gamma$ .	Diam.	$\alpha$ .	$\gamma$ .	Mag.	
10193	9	5°0108	22°8616	12	16°2497	10°6618	°	m.	10245	5	15°9165	14°9120			°	m.
10194	4	5°4734	22°5203	7	16°7316	10°3433			10246	6	17°5231	14°6274				
10195	4*	6°5774	22°3411	6	17°8435	10°2217			10247	15	18°5633	14°1156	17	6°7789	2°1593	
10196	4*	6°8598	22°8042	4*	18°0994	10°7035			10248	7	18°8856	14°9158	6	7°1376	2°9452	
10197	9	6°8628	22°8003	11	18°1072	10°6948			10249	6	21°0997	14°1123	6*	9°3089	2°0445	
10198	3*	8°6963	22°3688	4*	19°9585	10°3601			10250	17	23°4238	14°1400	14	11°6315	1°9578	
10199	6	8°7795	22°4424	9	20°0358	10°4387	71 1174	9.5	10251	13	25°2170	14°2680	17	13°4300	2°0020	
10200	3*	8°9095	22°6290	6	20°1582	10°6317			10252	14§	18°2303	15°7648	23	6°5200	3°8243	
10201	4*	9°4383	22°1568	6	20°7113	10°1881			10253	5	20°9702	15°7903				
10202	4*	9°9990	22°5941	6	21°2479	10°6519			10254	6	21°4548	15°2875	7*	9°7189	3°1988	
10203	4	10°8795	22°7558	4*	22°1194	10°8565			10255	6	21°9290	15°4861	7*	10°2011	3°3751	
10204	3*	11°8516	22°3717	3†	23°1075	10°5233			10256	4	22°4159	15°7092	4*	10°6989	3°5735	
10205	4	13°4316	22°1366	5*	24°7001	10°3725			10257	5	23°0315	15°4075	5	11°2997	3°2424	
10206				4	14°2199	11°1497			10258	17§	23°6196	15°6204	26§	11°8981	3°4272	70 1309 9.3
10207	3*	3°2394	23°6935	8	14°4378	11°3990			10259	5	25°5884	15°5313	11	13°8581	3°2434	
10208	10	4°0367	23°7752	15	15°2300	11°5226			10260	12	25°6755	15°1559	11	13°9290	2°8660	
10209	5†	4°8698	23°1556	9	16°0420	11°9461			10261	5	14°3403	16°2596	6	2°6605	4°5089	
10210				4	17°4376	11°4284			10262	4	15°5842	16°2434				
10211	10	7°8556	23°3446	14	19°0678	11°2885			10263	6	17°1792	16°3754	6†	5°5001	4°4850	
10212	5	10°4799	22°9552	8	21°7109	11°0363			10264	5	17°2475	16°3299	6*	5°5604	4°3389	
10213	4	10°6877	22°9845	4	21°9175	11°0739			10265	5	17°4165	16°4895	4*	5°7440	5°5915	
10214	7	11°3165	22°9403	12	22°5458	11°0639			10266	4	18°4785	16°4762				
10215	5	11°3299	22°9279	5*	22°5585	11°0528			10267	4	19°6317	16°7998				
10216	10	12°0466	22°9520	13	23°2776	11°1141			10268	4	21°3137	16°5385	6	9°6374	4°4540	
10217	9	12°1734	23°4132	12	23°3762	11°5830			10269	4	21°3272	16°3953				
10218	3*	13°0738	23°2193	4*	24°2835	11°4356			10270	6	21°5131	16°5045	6	9°8326	4°4074	
10219	4	13°1513	23°1413	4*	24°3685	11°3625			10271	7	21°6996	16°9278	9	10°0418	4°8244	70 1308 9.5
10220	20	4°0065	25°1340	18§	15°1355	12°8725			10272	5	22°6929	16°8390	5*	11°0307	4°6875	
10221	3*	4°3875	24°6029	7	15°5365	12°3652			10273	5	15°0413	17°5777				
10222	3*	6°3792	24°5178	4	17°5310	12°3858			10274	7	17°4434	17°4096	7*	5°8148	5°5062	
10223	5*	6°6890	24°7603	6	17°8295	12°6434			10275	6	20°1705	17°4986	7	8°5404	5°4667	
10224	19§	6°9668	24°4226	21§	18°1248	12°3208			10276	4	21°1038	17°4108	4*	9°4697	5°3370	
10225	5*	7°5067	24°4701	9	18°6593	12°3950			10277	10	21°6741	17°0775	11	10°0240	4°9723	
10226	5	9°1880	24°7375	8	20°3265	12°7533			10278	21§	23°3876	17°8483	23§	11°7700	5°6624	
10227				4†	21°1280	12°0565			10279	4	23°6074	17°5991				
10228	6	10°6279	24°8975	8	21°7573	12°0858			10280	7	25°1241	17°0499	13	13°4700	4°7879	
10229	9	11°4825	24°5353	12	22°6293	12°6690			10281	18§	14°5883	18°6082	25	3°0190	6°8394	
10230	12	12°3747	24°7607	14	23°5088	12°9412	71 1180	9.5	10282	12	15°1084	18°3043	13	3°5223	6°5110	71 1182 9.5
10231	3*	13°6671	24°3971	4*	24°8185	12°6445			10283	11	16°3996	18°0683	17	4°8431	7°1119	
10232				4	14°5367	13°6949			10284	4	17°3735	18°3395	4*	5°7893	6°4401	
10233				5	14°5543	13°1182			10285	5	17°3938	18°9132	6	5°8338	7°0108	
10234	3*	4°7170	25°6845	7	15°8118	13°4696			10286	6	18°4316	18°2977	14	6°8409	6°3461	
10235	22§	4°7710	25°7343	24§	15°8642	13°5124	71 1170	9.2	10287	20§	18°6988	18°0363	24§	7°0960	6°0681	71 1185 9.3
10236	4*	5°0535	25°2208	6	16°1714	13°0145			10288	4	20°2487	18°7642				
10237	4	10°8238	25°2664	8	21°9299	13°3645			10289	4	22°3885	18°9816	4	10°8239	6°8457	
10238				4	22°0927	13°3959			10290	4	22°5519	18°7066	4*	10°9771	6°5629	
10239	3*	12°0554	25°5729	5†	23°1472	13°7339			10291	4	22°6082	18°5898				
10240	17§	13°1976	25°2088	16§	24°3056	13°4298			10292	8	23°1748	18°5789	8	11°5902	6°4032	
10241	13§	13°5969	25°7088	18§	24°6770	13°9493			10293	4†	23°4995	18°1899	4†	11°9001	6°0013	
R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup>								R.A. 23 <sup>h</sup> 12 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. + 71° Plate 2908. 1895, Oct. 4.				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4757. 1899, Dec. 25.				Centre R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 71° Plate 2908. 1895, Oct. 4.				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4757. 1899, Dec. 25.				
10242	9	14°4041	14°1267	6*	2°6254	2°3663	°	m.	10294	23§	23°8569	18°5458	28§	12°2701	6°3389	71 1190 9.2
10243	6	14°8906	14°5557						10295	23§	24°3924	18°2660	25§	12°7909	6°0315	
10244	4	15°4622	14°8873						10296				6	13°4867	6°7563	
10297	3	14°5825	19°0720						10297	3	14°5825	19°0720				
10298	4	14°6682	19°5377						10298	4	14°6682	19°5377	8	3°1420	7°7637	
10299	7	15°6618	19°0038						10299	7	15°6618	19°0038	8	4°1086	7°1820	
10300	4	16°4189	19°6300						10300	4	16°4189	19°6300	4*	4°8971	7°7740	
10301	5	17°3248	19°6082						10301	5	17°3248	19°6082	5*	5°7986	7°7091	
10302	4	18°8650	19°7174						10302	4	18°8650	19°7174	5†	7°3408	7°7453	
10303	4	19°2513	19°8140						10303	4	19°2513	19°8140	4	7°7258	7°8247	



## ZONE + 71°.

R.A. 23 <sup>h</sup> 0 <sup>m</sup> to 23 <sup>h</sup> 12 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 12 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup>									
Centre R.A. 23 <sup>h</sup> 0 <sup>m</sup> Dec. +71°				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. +72°				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. +71°				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. +72°					
Plate 2908. 1895, Oct. 4.				Plate 4757. 1899, Dec. 25.				Plate 3256. 1896, Sept. 23.				Plate 4757. 1899, Dec. 25.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
10304	10	21°1649	19°9778	12	9°6472	7°8984	°	m.	10359	9	2°1929	14°3750			°	m.	
10305	6	21°8719	19°1685	7	10°3164	7°0550			10360	6	2°9613	14°9855	4*	14°7586	2°8115		
10306	5*	22°5388	19°2890	5†	10°9908	7°1619			10361	5	3°9306	14°4280					
10307	11	22°8041	19°9272	13	11°2870	7°7667			10362	7	6°5380	14°3204	4*	18°3618	2°3386		
10308	6	23°6309	19°8077	6	12°1066	7°6068			10363	8	9°6913	14°4365					
10309	6*	24°4192	19°3879	7	12°8726	7°1527			10364	4	10°4577	14°6662					
10310	4	14°5934	20°2461						10365	10§	10°6854	14°2061	6*	22°5113	2°4445		
10311	5	16°7614	20°0155	6	5°2554	8°1387			10366	4	11°0672	14°1202					
10312	19§	16°7789	20°0265	22§	5°2730	8°1495	71 1183	9·4	10367	6	11°4852	14°7058					
10313	10	17°9825	20°8174	10	6°5107	8°8854			10368	21§	12°7144	14°6532	27	24°5144	2°9958	70 1319	9·5
10314	5	18°8914	20°3225	6	7°3991	8°3457			10369	23§	12°7392	14°2756	30	24°5611	2°6224		
10315	3	19°3326	20°4895						10370	15§	2°5292	15°9288	11	14°2745	3°7308		
10316	4	20°5824	20°3206	4†	9°0844	8°2655			10371	7	4°7876	15°8151	3*	16°5363	3°7355		
10317	4*	20°9163	20°5000	4†	9°4236	8°4267			10372	4	5°4349	15°4576					
10318	11	20°9585	20°1964	13	9°4524	8°1251			10373	4	6°0645	15°2071					
10319	3	21°1663	20°6496						10374	4	6°8403	15°2905					
10320	4	21°5274	20°7975	4	10°0478	8°7020			10375	4	7°0822	15°5739					
10321	7*	22°6310	20°7604	8	11°1504	8°6115			10376	6	7°3337	15°7738					
10322	24§	23°7240	20°9388	22§	12°2506	8°7345	71 1189	9·5	10377	3	11°7846	15°5253					
10323	4†	23°9794	20°2300	5	12°4744	8°0164			10378	8	12°1899	15°5675					
10324	4	16°0651	21°5331	5*	4°6292	9°6935			10379	3	13°5957	15°1903					
10325	4	16°4458	21°2506						10380	14§	2°9396	16°4049	6	14°6596	4°2281		
10326	4	16°5379	21°2915	4*	5°0901	9°4253			10381	5	3°0358	16°0777					
10327	15§	17°4849	21°7623	19§	6°0600	9°8509	71 1184	9·5	10382	7	4°2613	16°4719	3†	15°9770	4°3658		
10328	5	17°8424	21°9033	4	6°4439	9°9755			10383	6	5°8540	16°1469					
10329	7	18°5347	21°1241	8	7°0798	9°1656			10384	18§	5°9696	16°6155	17	17°6748	4°5987		
10330	5	18°9968	21°0901	6	7°5380	9°1089			10385	4	6°2560	16°5039					
10331	4	19°3195	21°7556						10386	11	7°0790	16°1687	9	18°8053	4°2133		
10332	4	20°2844	21°1727	4	8°8300	9°1299			10387	8	7°6163	16°4424	4	19°3269	4°5169		
10333	3	21°4910	21°5316	4*	10°0512	9°4348			10388	6	8°0243	16°1255					
10334	3†	21°8559	21°8852	4*	10°4316	9°7713			10389	18§	8°0347	16°4658	20	19°7441	4°5583		
10335	3	23°2532	21°1785	4*	11°7959	8°9951			10390	15§	8°5154	16°3749	15	20°2303	4°4938	70 1316	9·5
10336	5	24°0522	21°0668	7	12°5869	8°8488			10391	17§	8°5333	16°3738	19	20°2486	4°4929		
10337	14	25°3504	21°4667	16	13°9007	9°1853	71 1192	9·4	10392	3	9°5454	16°3147					
10338	6	14°2248	22°6307	6	2°8443	10°8752			10393	20§	10°0715	16°1132	21	21°7981	4°3142		
10339	5	16°4730	22°6642	7	5°0900	10°7996			10394	7	12°7878	16°7837					
10340	7	20°0343	22°8073	8	8°6554	10°7773			10395	7	13°2603	16°7744					
10341	8	20°8249	22°2561	11	9°4198	10°1861			10396	44§	13°5198	16°8249	60§	25°3059	5°2102	70 1320	8·7
10342	4	21°2244	22°5016	5	9°8290	10°4169			10397	3	13°8951	16°5490					
10343	14	14°1244	23°7910	16*	2°7994	12°0363			10398	9	3°2993	17°8811	4	14°9385	5°7228		
10344	6	15°0370	23°3152	8	3°6879	11°5200			10399	21§	4°3648	17°7231	18§	16°0118	5°6207	71 1195	9·2
10345	11	15°1260	23°9470	14	3°8082	12°1455			10400	4	4°7642	17°2000					
10346	5	18°5969	23°8568	5	7°2692	11°8927			10401	11§	4°7996	17°8001	12	16°4417	5°7201		
10347	17§	18°9123	23°2597	19§	7°5531	11°2833	71 1186	9·5	10402	4	4°8246	17°4817					
10348	5	14°6005	24°4667	4	3°3015	12°6903			10403	6	5°2615	17°8104	4*	16°9047	5°7556		
10349	10§	15°1749	24°4199	10§	3°8756	12°6166			10404	6	5°4430	17°0180					
10350	18§	15°2284	24°4446	22§	3°9305	12°6365			10405	10	5°5555	17°4733	5	17°2162	5°4351		
10351	5	19°6418	24°8918	6	8°3602	12°8787			10406	10§	8°5197	17°2116	11	20°1884	5°3306		
10352	12	23°2516	24°7275	17	11°9595	12°5439	71 1188	9·4	10407	7	9°1322	17°4175	5*	20°7911	5°5675		
10353	10	14°1741	25°6302	15	2°9331	13°8744			10408	6	9°3369	17°9888					
10354	5†	15°8339	25°7507	7	4°5936	13°9166			10409	4	10°0018	17°7468					
10355	3*	20°1285	25°2111	4	8°8600	13°1753			10410	20§	10°6579	17°8701	21	22°2885	6°1024		
10356	14	21°0644	25°7032	18	9°8198	13°6183			10411	16§	11°5463	17°4231	18	23°1986	5°7014		
10357	5*	23°1445	25°8898	6	11°9015	13°7084			10412	9§	12°7003	17°8027	7	24°3348	6°1414		
10358	6*	24°2774	26°1795	7	13°0500	13°9470			10413	4	13°3249	17°5092					
									10414	6	13°4884	17°4944					
									10415	3	13°6634	17°4150					
									10416	4	5°9675	18°7180					
									10417	5	6°8928	18°0632	3*	18°5211	6°0945		

No. 10343. Plate 4757. The 3<sup>m</sup> image falls on the *réseau* line.1 *réseau* interval represents very nearly 5' = 61".4 at Dec. + 71°, and 64".7 at Dec. + 72°.

## ZONE + 71°.

R.A. 23 <sup>h</sup> 12 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 12 <sup>m</sup> to 23 <sup>h</sup> 24 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 3256. 1896, Sept. 23.				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4757. 1899, Dec. 25.				Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71° Plate 3256. 1896, Sept. 23.				R.A. 23 <sup>h</sup> 12 <sup>m</sup> Dec. + 72° Plate 4757. 1899, Dec. 25.				
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	
10418	8	6'9023	18'0560	4	18'5290	6'0900	° n.	10477	15§	8'8152	22'2677	8	20'2161	10'3961	° m.	
10419	5	7'1586	18'3672					10478	4	8'9143	22'6411					
10420	5	7'4099	18'9828					10479	4	10'3885	22'8357					
10421	8§	8'5768	18'2018	5*	20'1910	6'3215		10480	5	10'4664	22'0028					
10422	4	8'9128	18'8723					10481	4	11'1739	22'1544					
10423	18§	11'4265	18'4760	23	23'0230	6'7474	71 1200 9'3	10482	3	13'6410	22'3890					
10424	4	13'3890	18'5842					10483	9	2'7001	23'2043	4*	14'0621	11'0055		
10425	13	3'2542	19'5318	6	14'8086	7'3652		10484	32§	3'5151	23'3692	18	14'8642	11'2144	71 1193 9'5	
10426	6	5'3431	19'1046	3*	16'9184	7'0520		10485	10	4'4792	23'7463	5	15'8058	11'6418		
10427	12§	6'0766	19'1966	8	17'6432	7'1825		10486	5	4'7154	23'4756					
10428	5	6'2713	19'4116					10487	11	5'3343	23'8806	6	16'6516	11'8211		
10429	4	8'3801	19'0265					10488	8	5'9218	23'5664	4	17'2590	11'5402		
10430	7	9'0018	19'4838	4*	20'5516	7'6240		10489	7	6'5643	23'9255	4*	17'8870	11'9315		
10431	12§	9'9563	19'2363	10	21'5177	7'4261		10490	25§	6'7190	23'9340	20§	18'0348	11'9469	71 1197 9'5	
10432	21§	10'2716	19'5158	23	21'8175	7'7240		10491	4	7'4744	23'8755	2*	18'7937	11'9265		
10433	4	10'3038	19'7440					10492	6	8'9177	23'3061	3*	20'2612	11'4370		
10434	4	10'3693	19'2627					10493	6	8'9497	23'3223	3*	20'2944	11'4558		
10435	4	10'4695	19'8346					10494	10§	9'2212	23'9775	4	20'5306	12'1242		
10436	8	11'3819	19'2022					10495	5	10'2883	23'1210	3*	21'6445	11'3270		
10437	6	11'7852	19'7846					10496	7	10'5084	23'3115	5	21'8494	11'5268		
10438	21§	12'5995	19'8798	29	24'1216	8'2136		10497	4	12'1235	23'9495					
10439	4	12'9413	19'1478					10498	7*	2'7858	24'2153	4*	14'0900	12'0240		
10440	6	13'7724	19'4958					10499	9	5'8366	24'3118	5	17'1309	12'2767		
10441	6	5'2866	20'0175					10500	8	5'9787	24'6246	4*	17'2601	12'5978		
10442	15§	5'6501	20'6174	7	17'1449	8'5797		10501	27§	6'7195	24'7444	19§	17'9913	12'7561		
10443	4	5'8675	20'1710	3*	17'3811	8'1470		10502	4	9'3713	24'6151					
10444	8	7'7295	20'6022	4	19'2209	8'6728		10503	27§	9'6241	24'1952	23§	20'9210	12'3620	71 1199 9'2	
10445	3	8'9010	20'4468					10504	6	9'7228	24'8549					
10446	4	9'3184	20'8679	3*	20'7901	9'0240		10505	9	10'1118	24'4554	4	21'3937	12'6504		
10447	9	9'4084	20'4033	6	20'9067	8'5656		10506	12	10'5088	24'7121	6	21'7760	12'9235		
10448	19§	9'5837	20'3372	17	21'0850	8'5068		10507	6*	2'9995	25'1866	4*	14'2526	12'9990		
10449	4	9'8276	20'4134					10508	7	5'2045	25'1270	3*	16'4558	13'0600		
10450	4	11'9878	20'3968					10509	21§	5'8491	25'1969	12	17'0995	13'1638		
10451	9	12'5155	20'6484					10510	8	6'9868	25'6327	6	18'2108	13'6602		
10452	6	3'8955	21'7004	3*	15'3341	9'5653		10511	9	8'7048	25'3456	4	19'9415	13'4618		
10453	24§	4'1635	21'4010	16	15'6176	9'2824		10512	13	12'2473	25'5019	7	23'4705	13'8080		
10454	6	4'2436	21'5861	3*	15'6854	9'4710		10513	7	13'1525	25'4499	4	24'3748	13'8027		
10455	5	5'2764	21'2942													
10456	7	5'4185	21'0960	4*	16'8879	9'0456						59§	19'7054	1'9635	70 1315 9'2	
10457	5	5'7183	21'2089	3*	17'1806	9'1765						67§	25'9298	10'4053	71 1203 8'0	
10458	4	6'2112	21'7374	3*	17'6419	9'7265		55§	12'1983	26'6863				71 1201 8'5		
10459	4	6'5747	21'4025													
10460	6	7'7652	21'4773	3*	19'2101	9'5490										
10461	6	8'6720	21'0927	3	20'1333	9'2142										
10462	4	9'6835	21'0445													
10463	8§	9'9910	21'1219	4	21'4510	9'3139										
10464	4	10'8842	21'4276													
10465	11§	11'8687	21'1092	9	23'3271	9'4007										
10466	4	12'6201	21'4771													
10467	10§	12'8677	21'6397	6	24'2945	9'9835										
10468	18§	13'3570	21'1930	24	24'8095	9'5622										
10469	5	2'9800	22'6803	3*	14'3658	10'4975										
10470	15	3'1755	22'5625	7	14'5692	10'3891										
10471	25§	3'2669	22'6214	15	14'6568	10'4544										
10472	10	3'5493	22'6214	5	14'9383	10'4685										
10473	35§	3'6086	22'0542	22§	15'0283	9'9047	71 1194 9'5									
10474	14§	4'5679	22'7238	5	15'9494	10'6237										
10475	32§	4'6807	22'4992	24§	16'0748	10'4065	71 1196 9'0									
10476	8	7'0115	22'3278	4	18'4115	10'3597										



## ZONE + 71°.

R. A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 36 <sup>m</sup> —contd.								R. A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 36 <sup>m</sup> —contd.							
Centre R. A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				R. A. 23 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°				Centre R. A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. + 71°				R. A. 23 <sup>h</sup> 36 <sup>m</sup> Dec. + 72°			
Plate 3256. 1896, Sept. 23.				Plate 4703. 1899, Oct. 2.				Plate 3256. 1896, Sept. 23.				Plate 4703. 1899, Oct. 2.			
No.	Diam.	x.	y.	Diam.	x.	y.		No.	Diam.	x.	y.	Diam.	x.	y.	
B. D.								B. D.							
No.				Mag.				No.				Mag.			
10525	5	17°19'64	15°33'52					10584	4	20°36'93	19°20'12				
10526	4	17°75'03	15°19'47					10585	18§	20°46'62	19°68'52	17	9°16'80	7°78'62	71 1214
10527	4	17°81'43	15°8'430					10586	3	20°52'43	19°78'13	4*	9°22'90	7°87'46	9'5
10528	4	19°22'76	15°98'58					10587	4	21°29'45	19°08'78				
10529	5	19°46'31	15°44'24	3*	7°97'28	3°59'40		10588	6	24°09'33	19°87'61				
10530	8	20°12'86	15°10'02	4	8°61'84	3°22'01		10589	5	14°34'50	20°49'82				
10531	5	21°14'48	15°98'45					10590	4	16°52'23	20°35'13				
10532	5	21°47'10	15°07'82					10591	12	17°09'97	20°39'88	9	5°83'61	8°65'22	
10533	22§	22°56'01	15°62'64	25§	11°07'20	3°63'52	70 1328	10592	5	17°44'60	20°71'06				
10534	31§	22°57'01	15°61'48	36§	11°08'21	3°62'21	8·7	10593	26§	17°91'95	20°52'95	30§	6°66'35	8°74'51	71 1209
10535	4	24°44'77	15°41'65					10594	3	17°96'40	20°85'49				9'3
10536	6	14°25'52	16°28'45					10595	4	20°13'01	20°23'70				
10537	4	16°13'00	16°81'78					10596	5	20°19'27	20°49'35	4*	8°93'27	8°60'52	
10538	4	16°44'92	16°43'74					10597	4	20°44'07	20°77'89				
10539	7	16°61'94	16°11'40	4*	5°16'08	4°39'50		10598	8	20°45'97	20°07'37	5	9°17'74	8°17'32	
10540	5	16°96'88	16°60'71					10599	4	21°53'59	20°38'19				
10541	15§	17°30'94	16°06'70	15	5°84'79	4°31'63		10600	15	21°63'09	20°62'85	11	10°37'49	8°67'40	
10542	4	17°54'53	16°08'85					10601	8	25°01'58	20°49'70	5	13°74'85	8°39'16	
10543	27§	19°11'62	16°15'66	35§	7°65'78	4°32'38	70 1325	10602	33§	25°26'13	20°22'45	21§	13°98'45	8°10'45	71 1219
10544	9	20°30'08	16°08'86	7	8°83'50	4°20'05	9°0	10603	12§	14°16'52	21°18'78	8	2°94'42	9°57'57	9'3
10545	7	20°84'05	16°68'85	4*	9°40'16	4°77'60		10604	56§	14°51'85	21°97'45	69§	3°33'20	10°34'71	71 1203
10546	10§	21°84'98	16°08'30	7	10°38'32	4°12'35		10605	14§	14°86'38	21°46'21	11	3°65'39	9°81'63	8°0
10547	4	22°54'10	16°64'77					10606	4	15°33'03	21°42'16				
10548	4	24°79'73	16°83'66					10607	3	15°59'55	21°44'53				
10549	5	24°86'03	16°70'78					10608	27§	15°64'57	21°53'25	38§	4°43'77	9°85'22	71 1204
10550	4	25°24'08	16°01'55					10609	11§	15°64'94	21°87'83	6	4°45'68	10°19'98	9°4
10551	4	16°01'63	17°33'44					10610	8	16°92'33	21°16'95	5	5°69'72	9°43'08	
10552	5	16°75'97	17°91'04					10611	18§	17°40'05	21°54'37	16	6°19'24	9°78'22	
10553	10	16°82'60	17°56'65	6	5°43'44	5°83'63		10612	7	18°11'51	21°87'24	4†	6°91'88	10°07'69	
10554	17	17°04'85	17°98'00	16	5°67'55	6°23'73		10613	3	18°20'01	21°04'53				
10555	8	17°27'85	17°18'16	5	5°86'71	5°43'03		10614	8	18°61'06	21°10'45	4†	7°37'90	9°28'69	
10556	3	17°38'77	17°16'38					10615	4	18°65'79	21°87'07				
10557	3	17°87'91	17°93'31					10616	17§	18°82'74	21°44'31	13	7°61'03	9°61'51	
10558	4	17°93'89	17°42'42					10617	8	19°57'98	21°23'70	4†	8°35'36	9°37'60	
10559	4	21°24'21	17°76'00					10618	10	20°86'20	21°08'77	4*	9°62'67	9°16'75	
10560	14§	21°26'70	17°11'59	9	9°84'94	5°18'13		10619	20§	21°00'60	21°83'46	12	9°80'69	9°90'63	
10561	5	22°17'48	17°34'88					10620	5	23°60'75	21°07'40				
10562	5	22°99'10	17°52'41	3*	11°59'03	5°51'08		10621	4	14°41'54	22°78'64				
10563	10	23°73'93	17°01'55	(3*)	12°31'47	4°96'50		10622	4	14°65'22	22°23'84				
10564	4	15°03'98	18°69'34					10623	21§	14°85'94	22°01'70	26§	3°67'50	10°37'32	
10565	13§	16°14'17	18°04'28	14	4°77'36	6°34'46		10624	4	15°57'56	22°25'60				
10566	22§	16°34'74	18°50'46	26§	4°99'78	6°79'37		10625	21§	16°00'90	22°05'37	20§	4°82'39	10°35'64	71 1205
10567	7	17°75'24	18°39'41	4*	6°39'87	6°61'97		10626	16§	16°29'32	22°79'51	14	5°14'17	11°08'41	9'5
10568	7	18°37'92	18°91'36					10627	4	16°44'36	22°47'95				
10569	5	18°52'72	18°81'03					10628	5	17°31'67	22°01'75				
10570	3	18°64'99	18°04'33					10629	4	17°68'36	22°60'61				
10571	4	20°47'28	18°12'54					10630	8	17°75'03	22°10'75	6*	6°56'43	10°33'03	
10572	4	20°79'43	18°04'10					10631	15§	18°56'92	22°48'80	7	7°39'98	10°67'36	
10573	7	23°31'21	18°63'10	4	11°96'11	6°60'05		10632	3†	18°79'61	22°30'32				
10574	19	23°39'79	18°73'45	10	12°04'96	6°70'07		10633	36§	18°82'97	22°94'13	34§	7°68'38	11°11'34	71 1210
10575	66§	24°30'40	18°77'40	66§	12°96'10	6°69'76	71 1218	10634	17§	19°16'15	22°92'66	10	8°00'98	11°08'37	9'3
10576	4	15°24'02	19°29'55					10635	28§	21°26'91	22°27'52	23§	10°08'72	10°33'62	71 1215
10577	5	15°66'79	19°68'88	3*	4°37'70	8°00'85		10636	20§	21°86'13	22°82'53	12	10°70'42	10°85'69	9'5
10578	5	15°84'41	19°34'92					10637	9	23°21'80	22°40'60	3	12°03'83	10°38'08	
10579	17§	16°20'10	19°79'55	16	4°91'27	8°09'15		10638	22§	23°68'34	22°24'88	12	12°49'74	10°19'80	
10580	17§	16°58'78	19°45'70	16	5°28'20	7°73'60		10639	5	15°00'25	23°19'53	3*	3°87'12	11°54'42	
10581	47§	16°91'91	19°05'10	58§	5°59'62	7°31'53	71 1206	10640	9	15°54'26	23°44'41	4	4°42'58	11°76'47	8°0
10582	4	17°78'08	19°65'89					10641	13	17°32'54	23°93'28	11	6°22'47	12°17'10	
10583	83§	17°93'09	19°26'52	85§	6°61'48	7°48'22	71 1208	10642	7	17°74'75	23°51'97				6·8

No. 10563. Plate 4703. The 6<sup>m</sup> image of this star is on a *réseau* line. The diameter given is that of the 3<sup>m</sup> image.

1 *réseau* interval represents very nearly 5' = 61<sup>s</sup>·4 of R.A. at Dec. +71°, and 64<sup>s</sup>·7 at Dec. +72°.

## ZONE + 71°.

R.A. 23 <sup>h</sup> 24 <sup>m</sup> to 23 <sup>h</sup> 36 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 48 <sup>m</sup> —contd.							
Centre R.A. 23 <sup>h</sup> 24 <sup>m</sup> Dec. +71° Plate 3256. 1896, Sept. 23.				Centre R.A. 23 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 4703. 1899, Oct. 2.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				Centre R.A. 23 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 4703. 1899, Oct. 2.			
No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D. No. Mag.
10643	5	18.5468	23.1195					10694	4	6.4081	19.2439	5*	17.9329	7.1852	
10644	4	19.1859	23.7750					10695	6	7.1874	19.6650	6*	18.6917	7.6434	
10645	5	21.7012	23.7154					10696	17§	8.3492	19.4353	17	19.8629	7.4726	
10646	8	23.6312	23.5029					10697	6	13.0859	19.0247	3*	24.6142	7.2904	
10647	5	14.4338	24.4647					10698	6	13.3230	19.7650	7*	24.8153	8.0479	
10648	10	15.1678	24.1654	4*	4.0822	12.5034		10699	4*	3.7900	20.5050	5	15.2593	8.3181	
10649	6	15.3413	24.6094					10700	25§	5.8723	20.4215	23§	17.3413	8.3342	71 1224 9.4
10650	16§	16.7772	24.9488	8	5.7264	13.2137		10701	17	11.3808	20.6333	20	22.8348	8.8149	
10651	18§	18.5220	24.1584	10	7.4309	12.3446		10702	6	13.4904	20.4119	5*	24.9539	8.6995	
10652	13§	18.7057	24.3884	8	7.6272	12.5655		10703	5*	13.6439	20.5806				
10653	11	19.6770	24.6360	6*	8.6077	12.7684		10704	8	13.6500	20.5747	13	25.1005	8.8709	
10654	7	19.6814	24.0380					10705	2*	3.8819	21.5188	7	15.2979	9.3346	
10655	7	21.5100	24.9079	4*	10.4502	12.9595		10706	43§	5.6881	21.1990	41§	17.1186	9.1039	71 1223 9.0
10656	7	21.5655	24.9061	4*	10.5080	12.9550		10707	15	8.7278	21.6497	17	20.1323	9.7042	
10657	30§	22.0897	24.5136	11	11.0100	12.5338		10708	7	6.9605	22.8991	12	18.3069	10.8639	
10658	10	14.6313	25.5458	5	3.6104	13.9080		10709	7	10.1289	22.3298	8	21.4978	10.4506	
10659	16	15.5994	25.4253	10	4.5692	13.7427		10710	4	10.7606	22.0583	5	22.1404	10.2103	
10660	10	16.9738	25.2107	6*	5.9322	13.4663		10711	18	13.6394	22.7543	20	24.9853	11.0455	71 1233 9.5
10661	22	17.6021	25.3064	17	6.5671	13.5337		10712	5*	3.3191	23.2952	9	14.6484	11.0823	
10662	5	19.1713	25.1445					10713	6*	4.2599	23.1233	12	15.5978	10.9530	
10663	12	22.8601	25.5246	7	11.8228	13.5049		10714	12	8.6104	23.1834	14	19.9411	11.2259	
10664	6	23.5238	25.4231					10715	12	8.8699	23.6150	13	20.1786	11.6732	
				75§	2.0968	5.2483	70 1320 8.7	10716	5	10.1259	23.0752	5	21.4596	11.1937	
								10717				7	14.2841	12.9845	
								10718	47§	4.7393	24.5853	37§	16.0065	12.4388	71 1221 9.4
								10719	42§	7.8115	24.2646	40§	19.0900	12.2665	71 1225 9.2
								10720	20§	10.6400	24.6378	19§	21.8987	12.7805	
								10721	6	12.7593	24.6154	7	24.0103	12.8632	
								10722	17	13.0500	24.0148	15	24.3352	12.2757	
								10723	11	13.9109	24.6306	12	25.1626	12.9335	
								10724				5	14.6386	13.9500	
								10725				6	15.9113	13.1101	
									82§	1.4148	19.0030	79§ 103§	20.8983 26.5495	1.3562 1.5238	70 1334 7.5 70 1337 8.8 71 1218 8.2
R.A. 23 <sup>h</sup> 36 <sup>m</sup> to 23 <sup>h</sup> 48 <sup>m</sup>								R.A. 23 <sup>h</sup> 48 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup>							
Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				Centre R.A. 23 <sup>h</sup> 36 <sup>m</sup> Dec. +72° Plate 4703. 1899, Oct. 2.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				Centre R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3660. 1897, Oct. 4.			
10665	6	13.4323	13.9845					10726	19	25.6239	14.2175	30	13.9460	1.9755	
10666	4	13.5887	13.9928					10727	3*	16.9136	14.6135	8	5.2635	2.8034	
10667	15	9.8222	14.3506	14	21.5838	2.4673		10728	4*	20.6022	14.6632	16	8.9500	2.6683	
10668	14	10.0487	14.6523	12	21.7945	2.7762		10729	3*	21.5850	14.2459	7	9.9107	2.2025	
10669	12	10.3997	14.1449	5*	22.1687	2.2891		10730	6	21.8979	14.6023	16	10.2423	2.5400	
10670	5	12.2019	14.3746					10731				5	12.9350	2.2683	
10671	4*	2.5104	15.2706	5*	14.2384	3.0239		10732	4*	24.6397	15.1027	8	13.0073	2.9037	
10672	21§	6.0292	15.1997	25§	17.7539	3.1249		10733	3*	16.4665	15.6980	6	4.8749	3.9094	
10673	12	7.8684	15.1009	10	19.5951	3.1182		10734	11	16.7582	14.8845	22	5.1235	3.0806	
10674	18§	9.6176	15.1134	16	21.3421	3.2165		10735				4	5.9515	3.6277	
10675	9	10.4200	15.3139	7*	23.1337	3.4559		10736	4	18.0624	15.2991	16	6.4464	3.4307	
10676	17§	11.2027	15.6638	16	22.9016	3.8452		10737				3	8.7284	3.6269	
10677	10	12.0895	15.0550	7*	23.8127	3.2799		10738				5	8.7865	3.3599	
10678	6	12.4606	15.0510					10739				4	9.0502	3.4711	
10679	27§	13.8423	15.0038	35§	25.5694	3.3152		10740	3*	21.1843	15.8043	8	9.5900	3.7796	
10680	15	3.2736	16.2096	15	14.9516	4.0013		10741	9	23.7007	15.4790	20§	12.0885	3.3299	
10681	16	11.9618	16.1255	14	23.6343	4.3448	70 1335 9.5	10742				7	12.7733	3.6445	
10682	7	12.0118	16.3209	6*	23.6768	4.5400									
10683	50§	2.8898	17.7353	47§	14.4953	5.5054	71 1220 9.0								
10684	13	5.1366	17.2605	10	16.7629	5.1411									
10685	8	10.9803	17.9346	7	22.5636	6.0993									
10686	54§	11.7200	17.0227	60§	23.3506	5.2250	71 1229 8.0								
10687	15	12.6317	17.0832	17	24.2575	5.3334	71 1230 9.5								
10688	9	12.7347	17.8624	7*	24.3219	6.1144									
10689	8	12.7413	17.1623	7*	24.3629	5.4164									
10690	4	7.0712	18.5032	4*	18.6326	6.4776									
10691	36§	7.7961	18.7868	37§	19.3425	6.7986	71 1226 9.3								
10692	25§	8.8260	18.4448	26§	20.3883	6.5050									
10693	18	10.3603	18.8956	20§*	21.8994	7.0299									

Nos. 10703 and 10704. Plate 4703. Measured as one mass.

1 réseau interval represents very nearly 5' = 61.8.4 of R.A. at Dec. + 71°, and 64.8.7 at Dec. + 72°.



## ZONE + 71°.

R.A. 23 <sup>h</sup> 48 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.								R.A. 23 <sup>h</sup> 48 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.									
Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3660. 1897, Oct. 4.				Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71° Plate 1579. 1893, Nov. 6.				R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +72° Plate 3660. 1897, Oct. 4.					
No.	Diam.	x.	y.	Diam.	x.	y.	B. D.	No.	Diam.	x.	y.	Diam.	x.	y.	B. D.		
No.	Diam.	x.	y.	Diam.	x.	y.	Mag.	No.	Diam.	x.	y.	Diam.	x.	y.	Mag.		
10743	3*	24.4382	15.2142	7	12.8051	3.0215	°	m.	10802	6	16.8299	19.7753	12	5.4401	7.9633	°	m.
10744	8	25.0183	16.2107	20	13.4380	3.9930			10803	8	17.0437	19.6807	22	5.6491	7.8579		
10745				5	3.5666	4.4934			10804				5	8.6078	7.7759		
10746	33§	15.7053	16.3953	48§	4.1480	4.6429			10805				6	8.7538	7.6899		
10747				4	5.6192	4.1972			10806	3*	20.3468	19.3097	9	8.9278	7.3218		
10748				4	7.1062	4.5282			10807				7	9.2016	7.5092		
10749				6	7.3500	4.2904			10808				4	10.3833	7.5979		
10750	4	19.0115	16.7163	14	7.4663	4.7974			10809				6	10.6299	7.1023		
10751				6	8.2207	4.8233			10810				4	10.7776	7.0833		
10752				7	8.3266	4.0173			10811				4	11.8654	7.6554		
10753	7	20.4786	16.4469	15	8.9174	4.4546			10812				5	12.2690	7.3002		
10754				7	9.5351	4.9515			10813				4	12.4457	7.8946		
10755	4*	24.5130	17.0863	10	12.9775	4.8946			10814				4	12.5852	7.8650		
10756				4	13.9620	4.1058			10815	II	24.4347	19.6828	23§	13.0293	7.4915		
10757	19	14.4049	17.1323	33	2.8842	5.4426			10816				8	13.2441	7.2899		
10758				6	3.1324	5.6704			10817				9	13.3711	7.9450		
10759	5*	16.5515	16.8457	12	5.0168	5.0505			10818	II	14.9246	19.9778	22§	3.5460	8.2627		
10760	6	16.8883	17.3720	17	5.3762	5.5576			10819				5	3.8564	8.3172		
10761				8	6.4164	5.7433			10820	II	15.3689	19.7721	24	3.9825	8.0315	71 1236	9.3
10762	4	18.5149	17.8191	9	7.0243	5.9230			10821	26§	15.5429	19.8747	44§	4.1580	8.1240	71 1237	9.3
10763				5	7.4046	5.3626			10822				4	4.2964	8.6327		
10764				6	7.6804	5.7955			10823	17	16.1030	20.2035	27§	4.7362	8.4249		
10765	3*	19.1856	17.7676	8	7.6917	5.8405			10824				6	5.7354	8.8400		
10766	9	19.5497	17.0993	19	8.0218	5.1528			10825	4	17.2104	19.8814	11	5.8263	8.0503		
10767				4	8.2819	5.7021			10826	39§	17.4148	20.3584	49§	6.0528	8.5158	71 1239	8.7
10768				5	9.1985	5.5469			10827	39§	17.5188	20.5846	55§	6.1678	8.7362		
10769				8	9.2198	5.2477			10828				4	6.5711	8.4876		
10770				4	9.3244	5.5433			10829				5	6.7592	8.5456		
10771				6	9.6162	5.7425			10830				3	7.6669	8.0545		
10772	4	21.6975	17.1277	12	10.1693	5.0750			10831				6	8.4545	8.1443		
10773	5†	22.2327	17.7742	16	10.7355	5.6914			10832	10	20.0968	20.6688	18	8.7464	8.6920		
10774				4	11.6263	5.2897			10833				4	9.6883	8.2929		
10775				6	11.7215	5.8481			10834	4*	21.2035	20.4237	11	9.8378	8.3914		
10776	8	24.5890	17.9780	19	13.0989	5.7768			10835				4	10.4278	8.4792		
10777				5	4.6230	6.3160			10836				7	10.8944	8.3756		
10778	22§	16.5684	18.3715	36§	5.1071	6.5717			10837				14	13.0223	8.5652		
10779				4	6.5729	6.0518			10838	7	25.0475	20.4663	20§	13.6828	8.2456		
10780	4†	18.1824	18.0616	11	6.7060	6.1828			10839				6	13.7637	8.8874		
10781	6	18.3770	17.9340	15	6.8914	6.0451			10840	16	16.5489	21.1206	27§	5.2246	9.3199		
10782	11	18.8931	18.2453	24	7.4244	6.3302			10841	4*	16.9720	21.3137	8	5.6592	9.4916		
10783				6	8.2151	6.0755			10842	3†	17.1772	21.1242	9	5.8546	9.2928		
10784				11	9.9707	6.4101			10843				6	6.0280	9.0090		
10785				5	10.2589	6.5097			10844				4	6.1507	9.9311		
10786	10	21.7737	18.6016	18	10.3168	6.5423			10845				4	6.3446	9.5188		
10787				5	10.5746	6.0695			10846	4	18.3606	21.2544	11	7.0430	9.3634		
10788				10	11.1387	6.2825			10847	6	18.3946	21.3728	13	7.0830	9.4795		
10789				5	11.2174	6.3313			10848	19	18.5570	21.0745	28§	7.2278	9.1719		
10790				8	11.4412	6.7194			10849	3	19.5336	21.6061	10	8.2301	9.6547		
10791				4	11.5009	6.3060			10850	4	20.1478	21.0258	10	8.8158	9.0435		
10792				6	12.7762	6.3951			10851	4	20.5692	21.3452	12	9.2527	9.3438		
10793				6	12.8325	6.8830			10852				6	10.0342	9.3975		
10794	5*	24.3623	18.7723	18	12.9112	6.5852			10853				4	10.2873	9.2286		
10795				5	12.9683	6.3539			10854	4	22.3791	21.4636	17	11.0650	9.3703		
10796	4*	24.7630	18.8932	12	13.3191	6.6870			10855				5	11.1234	9.6368		
10797	34	24.8800	19.1673	42§	13.4481	6.9533	71 1249	9.0	10856				6	11.5810	9.2593		
10798				10	13.5359	6.6807			10857				3	12.3322	9.3435		
10799				6	13.7554	6.7182			10858				7	12.3898	9.3864		
10800				5	13.9162	6.4819			10859				8	13.6869	9.4326		
10801	4*	15.1439	19.0831	9	3.7227	7.3544			10860				5	13.9825	9.2552		

1 réseau interval represents very nearly 5' = 61.4 of R.A. at Dec. + 71°, and 64.7 at Dec. + 72°.

## ZONE + 71°.

R.A. 23 <sup>h</sup> 48 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.									R.A. 23 <sup>h</sup> 48 <sup>m</sup> to 0 <sup>h</sup> 0 <sup>m</sup> —contd.								
Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Centre R.A. 23 <sup>h</sup> 48 <sup>m</sup> Dec. +71°			R.A. 0 <sup>h</sup> 0 <sup>m</sup> Dec. +72°			Plate 1579. 1893, Nov. 6.			Plate 3660. 1897, Oct. 4.		
No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.	Diam.	x.	y.	No.	Diam.	x.	y.
B. D.									B. D.								
No.									No.								
Mag.									Mag.								
10861	15	14°5398	21°0999	27§	3°2590	10°2085			10903	22	19°3726	24°1405	25§	8°1970	12°1951		
10862				6	3°8908	10°8873			10904				4	8°7332	12°8787		
10863				4	3°9748	10°4694			10905	26	20°6706	24°2752	31§	9°4998	12°2660		
10864				5	4°0343	10°7070			10906	46§	20°7110	24°1984	64§	9°5364	12°1866	71 1245	8·8
10865				6	4°7288	10°5496			10907	4*	21°1000	24°9787	15	9°9642	12°9450		
10866	15	16°5973	21°8178	22§	5°3088	10°0155			10908				4	10°3900	12°3448		
10867				6	6°1273	10°5546			10909	8	21°6396	24°2256	22§	10°4645	12°1646		
10868	3*	17°4892	22°7153	7	6°2439	10°8655			10910				13	10°7930	12°7269		
10869	15	17°5809	22°4361	23§	6°3216	10°5842			10911				6	11°0293	12°9945		
10870				3	6°4325	10°2414			10912				5	11°6749	12°8572		
10871	47§	17°6977	22°8240	60§	6°4585	10°9638	71 1240	8·8	10913				12	11°6852	12°8553		
10872	4*	18°4300	22°2137	8	7°1607	10°3183			10914	4*	23°5984	24°7262	17	12°4489	12°5718		
10873				4	7°2354	10°5231			10915				12	13°0395	12°8565		
10874	3*	18°8921	22°7597	10	7°6499	10°8370			10916				12	13°4197	12°2189		
10875	26	19°3184	22°9001	35§	8°0803	10°9590			10917				6	3°6242	13°5666		
10876	3*	20°3473	22°3704	11	9°0837	10°3780			10918				8	4°7818	13°8733		
10877				6	10°3597	10°1357			10919				8	4°8308	13°8330		
10878	56§	22°0093	22°2657	80§	10°7358	10°1927	71 1246	6·9	10920	51§	16°0823	24°8196	66§	4°9452	13°0380	71 1238	8·8
10879				5	10°8283	10°8202			10921				7	5°2576	13°3085		
10880	13	14°4444	23°0745	24§	3°2220	11°3781			10922	5	16°4248	24°9063	18	5°2917	13°1063		
10881	4*	16°9124	23°6099	9	5°7145	11°7898			10923				5	5°6885	13°3170		
10882				7	5°9210	11°9973			10924				8	6°9290	13°2135		
10883				4	6°4684	11°5356			10925				6	7°2841	13°1230		
10884				6	6°6774	11°8097			10926				4	7°3825	13°0684		
10885				7	6°6810	11°9743			10927	5*	18°7723	25°5203	20	7°6658	13°6022		
10886				5	9°7156	11°9563			10928				4	8°2003	13°2069		
10887	25	22°3120	24°0635	25§	11°1294	11°9708	71 1247	9·5	10929				16	8°6288	13°1892		
10888				9	11°4658	11°3414			10930				12	9°4675	13°9406		
10889				6	11°9978	11°2010			10931				15	9°7610	13°0243		
10890				5	12°3165	11°9883			10932	6†	21°6484	25°5425	21	10°5394	13°4822		
10891				9	12°5419	11°6379			10933	11	21°8166	25°9055	23§	10°7248	13°8334		
10892	3	14°7099	24°0552	13	3°5357	12°3453			10934				12	10°8869	13°7907		
10893	4*	16°2214	24°6766	11	5°0778	12°8897			10935				13	11°0018	13°5693		
10894	4*	16°3203	24°4932	9	5°1671	12°7035			10936	4*	22°4815	25°7094	17§	11°3792	13°6060		
10895				6	5°2655	12°8417			10937				4	13°5275	13°0578		
10896				4	5°6800	12°8605			10938				5	13°7844	13°9421		
10897	9	17°6297	24°0862	21§	6°4534	12°2298			10939				11	13°8631	13°3284		
10898	5	17°8320	24°6532	15	6°6844	12°7841											
10899	19	18°7418	24°8881	26§	7°6068	12°9753	71 1241	9·5					94§	3°0120	1°4660	70 1337	8·8
10900	5	18°8506	24°6140	18	7°6989	12°6933				39§	19°0324	26°3070				71 1242	8·5
10901				4	7°8397	12°0355				71§	20°3364	26°7786				71 1244	8·0
10902				8	7°9387	12°2825											

1 réseau interval represents very nearly 5' = 61".4 of R.A. at Dec. + 71° and 64".7 at Dec. + 72°.



## APPENDIX TO ZONES 70° AND 71°.

The following pages contain measures of stars which were not printed in Zones +70° and +71°. They fall on plates whose centres are at Declination +70°, +71° and +72°, outside the limits of measurement but within the *réseau* lines. They are in all cases reference stars available for determination of plate constants, and in the Zones +64° to +69° such stars have been printed with each plate, separated by a line from stars within the limits of measurement, as explained on p. xxi. These measures were made after the printing of Zones +70° and +71°.

*Additional Reference Stars for Plates whose Centres are at Declination + 70°.*

Plate.	R.A. of Centre.		Diam.	$\alpha$ .	$\gamma$ .	B. D.		Plate.	R.A. of Centre.		Diam.	$\alpha$ .	$\gamma$ .	B. D.	
						No.	Mag.							No.	Mag.
2375	h	m							h	m					
	o	o	41 $\frac{1}{2}$	9.6205	1.5142	68° 1416	8.7	4115	2	20	49 $\frac{1}{2}$	24.4115	20.4656	70° 196	9.0
			21	3.1149	3.7168	68 1408	9.2				59 $\frac{1}{2}$	2.4850	22.7815	70 167	8.9
			25	1.8140	4.1934	68 1406	9.3				79 $\frac{1}{2}$	24.5175	23.6949	70 197	8.0
			63 $\frac{1}{2}$	26.7054	6.6827	69 13	8.8	3841	2	40	87 $\frac{1}{2}$	25.9078	3.4888	68 212	7.9
			47 $\frac{1}{2}$	2.4115	13.6257	69 1368	9.0				44 $\frac{1}{2}$	2.4862	10.0423	69 166	9.0
		80 $\frac{1}{2}$	2.9421	25.3198	70 1337	8.8	47 $\frac{1}{2}$				23.0110	16.6921	70 216	8.3	
2922	o	20	62 $\frac{1}{2}$	25.2345	3.7976	68 37	8.3				54 $\frac{1}{2}$	3.3248	19.7957	70 194	8.3
			52 $\frac{1}{2}$	3.1725	11.7603	69 11	8.5				44 $\frac{1}{2}$	25.0808	19.1143	70 217	9.0
			47 $\frac{1}{2}$	3.8038	14.2778	69 12	8.3	4134	3	o	63 $\frac{1}{2}$	21.5279	1.6348	68 229	9.0
			58 $\frac{1}{2}$	25.0293	14.4195	69 29	7.8				66 $\frac{1}{2}$	24.0391	2.1663	68 232	9.2
			52	26.2164	21.6392	70 27	8.5				119 $\frac{1}{2}$	25.0868	6.6321	69 205	6.5
			50	26.4870	21.8359	70 28	8.7				108 $\frac{1}{2}$	26.6251	25.4042	70 241	7.5
							51 $\frac{1}{2}$				20.2415	26.3964	70 234	9.0	
3652	o	40	128 $\frac{1}{2}$	1.2703	19.4707	70 24	6.2	739	3	20	57 $\frac{1}{2}$	2.6406	1.9745	68 232	9.2
			76 $\frac{1}{2}$	26.8666	19.0921	70 63	9.0				91 $\frac{1}{2}$	1.3660	3.1351	68 230	8.0
			54 $\frac{1}{2}$	25.3697	21.0910	70 62	8.8				58 $\frac{1}{2}$	24.8520	6.7757	69 221	8.9
			76 $\frac{1}{2}$	24.8838	24.5324	70 61	8.8				45 $\frac{1}{2}$	1.6515	13.3605	69 204	8.8
4095	1	o	67 $\frac{1}{2}$	11.1288	1.7524	68 68	9.0				57 $\frac{1}{2}$	1.9685	20.4147	70 235	8.4
			81 $\frac{1}{2}$	25.8989	3.6719	68 89	8.9				24	24.3521	22.0050	70 251	9.1
			39 $\frac{1}{2}$	2.4865	5.1570	69 53	9.4				70 $\frac{1}{2}$	7.5267	26.6019	70 242	8.3
			71 $\frac{1}{2}$	22.5799	26.6814	70 89	8.0								
2378	1	20	102 $\frac{1}{2}$	25.4614	1.3414	68 117	8.5	697	3	40	30	24.8436	25.1562	70 269	9.0
			94 $\frac{1}{2}$	1.4347	3.1455	68 83	8.6				129 $\frac{1}{2}$	13.9010	26.3220	70 259	4.3
			66 $\frac{1}{2}$	2.3944	9.0333	69 77	8.6				37 $\frac{1}{2}$	14.2537	26.3549	70 260	8.5
			32 $\frac{1}{2}$	2.6144	10.8769	69 78	8.8	2971	4	o	58 $\frac{1}{2}$	26.9799	6.6001	69 250	9.2
			72 $\frac{1}{2}$	1.5719	20.9965	70 87	7.8				42 $\frac{1}{2}$	3.3418	16.1087	70 268	8.3
			73 $\frac{1}{2}$	2.7000	21.0928	70 88	8.2				53 $\frac{1}{2}$	25.1868	17.4781	70 292	8.8
			73	3.0863	26.6328	70 89	8.0				73 $\frac{1}{2}$	25.9914	21.5524	70 294	7.8
			47 $\frac{1}{2}$	11.3468	26.4453	70 101	8.3				78 $\frac{1}{2}$	25.6491	23.9190	70 293	8.5
			72 $\frac{1}{2}$	19.5619	26.4381	70 112	6.1				74 $\frac{1}{2}$	12.2973	26.8576	70 276	7.5
2379	1	40	82 $\frac{1}{2}$	3.9346	1.3356	68 117	8.5	4156	4	20	62 $\frac{1}{2}$	17.9630	1.5959	68 339	8.5
			39	9.2088	1.4586	68 123	9.0				97 $\frac{1}{2}$	24.1086	1.2079	68 334	8.4
			87 $\frac{1}{2}$	25.2490	1.6889	68 137	9.0				81 $\frac{1}{2}$	26.2435	11.0280	69 267	8.0
			50 $\frac{1}{2}$	24.6112	17.5232	70 149	8.9				42 $\frac{1}{2}$	3.0265	20.2145	70 288	9.0
			67 $\frac{1}{2}$	14.8684	26.9105	70 133	8.5				51 $\frac{1}{2}$	23.9685	23.1528	70 310	8.6
1718	2	o	52 $\frac{1}{2}$	2.0616	10.8079	69 123	8.0				65 $\frac{1}{2}$	4.9930	26.9117	70 291	8.7
			45 $\frac{1}{2}$	3.4473	12.2808	69 125	9.0				58 $\frac{1}{2}$	8.8450	26.7308	70 297	8.6
			56 $\frac{1}{2}$	1.0797	14.2355	69 122	8.0				78 $\frac{1}{2}$	25.8601	26.2477	70 313	9.0
			49 $\frac{1}{2}$	3.1336	17.6685	70 145	9.0	4157	4	40	54 $\frac{1}{2}$	22.7544	1.4559	68 353	8.0
			57 $\frac{1}{2}$	3.6693	18.2272	70 146	8.8				114 $\frac{1}{2}$	26.0290	2.2636	68 357	7.0
			50 $\frac{1}{2}$	3.0839	21.4074	70 144	9.0				32 $\frac{1}{2}$	24.5005	12.9215	69 291	9.5
			45 $\frac{1}{2}$	10.9003	25.9915	70 159	8.9				42 $\frac{1}{2}$	3.5384	15.2019	69 265	8.9
			99 $\frac{1}{2}$	14.4598	26.9975	70 163	7.2				38 $\frac{1}{2}$	23.0040	17.3655	70 333	8.3
											71 $\frac{1}{2}$	26.0542	22.2808	70 335	8.8
	4115	2	20	73 $\frac{1}{2}$	1.5600	14.5990	69 139	8.5				53 $\frac{1}{2}$	6.3486	26.1100	70 313
			64 $\frac{1}{2}$	24.2982	20.5482	70 195	8.6								

*Additional Reference Stars for Plates whose Centres are at Declination + 70°.*

Plate.	R.A. of Centre.		Diam.	x.	y.	B. D.		Plate.	R.A. of Centre.		Diam.	x.	y.	B. D.			
						No.	Mag.							No.	Mag.		
4157	h	m	49 $\frac{8}{8}$ 42 $\frac{8}{8}$	11 <sup>h</sup> 18 <sup>m</sup> 61 19 <sup>h</sup> 57 <sup>m</sup> 89	26 <sup>h</sup> 36 <sup>m</sup> 43 26 <sup>h</sup> 09 <sup>m</sup> 60	70° 70°	317 329	9 <sup>o</sup> 8 <sup>o</sup>	1786	h	m	55 $\frac{8}{8}$ 24 40 $\frac{8}{8}$ 15	26 <sup>h</sup> 54 <sup>m</sup> 49 3 <sup>h</sup> 55 <sup>m</sup> 51 3 <sup>h</sup> 81 <sup>m</sup> 48 11 <sup>h</sup> 22 <sup>m</sup> 55	15 <sup>h</sup> 67 <sup>m</sup> 52 17 <sup>h</sup> 11 <sup>m</sup> 42 20 <sup>h</sup> 45 <sup>m</sup> 82 26 <sup>h</sup> 25 <sup>m</sup> 91	70° 70° 70° 71°	492 467 468 424	8 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup>
4158	5	0	66 $\frac{8}{8}$ 78 $\frac{8}{8}$ 59 $\frac{8}{8}$ 65 $\frac{8}{8}$ 82 $\frac{8}{8}$ 80 $\frac{8}{8}$ 52 $\frac{8}{8}$ 67 $\frac{8}{8}$	1 <sup>h</sup> 28 <sup>m</sup> 32 1 <sup>h</sup> 33 <sup>m</sup> 18 2 <sup>h</sup> 80 <sup>m</sup> 28 2 <sup>h</sup> 91 <sup>m</sup> 02 26 <sup>h</sup> 72 <sup>m</sup> 35 2 <sup>h</sup> 72 <sup>m</sup> 62 26 <sup>h</sup> 88 <sup>m</sup> 95 2 <sup>h</sup> 55 <sup>m</sup> 57	1 <sup>h</sup> 71 <sup>m</sup> 49 4 <sup>h</sup> 10 <sup>m</sup> 33 5 <sup>h</sup> 44 <sup>m</sup> 75 5 <sup>h</sup> 38 <sup>m</sup> 17 5 <sup>h</sup> 87 <sup>m</sup> 10 11 <sup>h</sup> 85 <sup>m</sup> 84 12 <sup>h</sup> 02 <sup>m</sup> 68 13 <sup>h</sup> 02 <sup>m</sup> 40	68 69 69 69 69 69 69 69	253 285 289 290 315 288 316 286	8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 7 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup>	816	8	0	54 $\frac{8}{8}$ 82 $\frac{8}{8}$ 60 59	2 <sup>h</sup> 98 <sup>m</sup> 50 26 <sup>h</sup> 26 <sup>m</sup> 58 1 <sup>h</sup> 01 <sup>m</sup> 65 2 <sup>h</sup> 46 <sup>m</sup> 58	4 <sup>h</sup> 83 <sup>m</sup> 84 6 <sup>h</sup> 36 <sup>m</sup> 48 26 <sup>h</sup> 32 <sup>m</sup> 90 26 <sup>h</sup> 29 <sup>m</sup> 95	69 69 71 71	450 462 430 432	8 <sup>o</sup> 7 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup>
3359	5	20	27 $\frac{8}{8}$ 49 $\frac{8}{8}$	4 <sup>h</sup> 55 <sup>m</sup> 66 25 <sup>h</sup> 39 <sup>m</sup> 20	16 <sup>h</sup> 71 <sup>m</sup> 58 19 <sup>h</sup> 18 <sup>m</sup> 12	70 70	348 364	8 <sup>o</sup> 8 <sup>o</sup>	4203	8	20	64 $\frac{8}{8}$ 80 $\frac{8}{8}$ 53 62 $\frac{8}{8}$ 34	1 <sup>h</sup> 74 <sup>m</sup> 02 11 <sup>h</sup> 08 <sup>m</sup> 80 3 <sup>h</sup> 45 <sup>m</sup> 57 2 <sup>h</sup> 22 <sup>m</sup> 33 17 <sup>h</sup> 14 <sup>m</sup> 40	3 <sup>h</sup> 79 <sup>m</sup> 70 19 <sup>h</sup> 92 <sup>m</sup> 90 20 <sup>h</sup> 28 <sup>m</sup> 55 23 <sup>h</sup> 10 <sup>m</sup> 30 25 <sup>h</sup> 98 <sup>m</sup> 85	69 70 70 70 71	461 502 505 504 460	8 <sup>o</sup> 7 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup>
3862	5	40	33 $\frac{8}{8}$ 37 $\frac{8}{8}$ 31 $\frac{8}{8}$ 14 15 67 $\frac{8}{8}$ 83 $\frac{8}{8}$ 53 $\frac{8}{8}$	7 <sup>h</sup> 21 <sup>m</sup> 34 8 <sup>h</sup> 21 <sup>m</sup> 12 15 <sup>h</sup> 50 <sup>m</sup> 28 25 <sup>h</sup> 74 <sup>m</sup> 74 25 <sup>h</sup> 37 <sup>m</sup> 63 2 <sup>h</sup> 82 <sup>m</sup> 36 1 <sup>h</sup> 40 <sup>m</sup> 19 25 <sup>h</sup> 77 <sup>m</sup> 73	1 <sup>h</sup> 10 <sup>m</sup> 46 1 <sup>h</sup> 46 <sup>m</sup> 33 1 <sup>h</sup> 44 <sup>m</sup> 11 5 <sup>h</sup> 11 <sup>m</sup> 58 11 <sup>h</sup> 79 <sup>m</sup> 43 13 <sup>h</sup> 33 <sup>m</sup> 21 17 <sup>h</sup> 96 <sup>m</sup> 50 21 <sup>h</sup> 65 <sup>m</sup> 89	68 68 68 69 69 69 70 70	400 403 410 358 357 339 362 383	9 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup> 7 <sup>o</sup> 9 <sup>o</sup>	4204	8	40	66 $\frac{8}{8}$ 44 52 $\frac{8}{8}$ 55 $\frac{8}{8}$ 64 $\frac{8}{8}$ 68 $\frac{8}{8}$ 87 $\frac{8}{8}$	2 <sup>h</sup> 89 <sup>m</sup> 37 2 <sup>h</sup> 48 <sup>m</sup> 03 25 <sup>h</sup> 39 <sup>m</sup> 85 26 <sup>h</sup> 05 <sup>m</sup> 63 3 <sup>h</sup> 39 <sup>m</sup> 84 26 <sup>h</sup> 41 <sup>m</sup> 00 22 <sup>h</sup> 34 <sup>m</sup> 47	5 <sup>h</sup> 80 <sup>m</sup> 84 5 <sup>h</sup> 68 <sup>m</sup> 47 7 <sup>h</sup> 50 <sup>m</sup> 45 7 <sup>h</sup> 55 <sup>m</sup> 84 8 <sup>h</sup> 30 <sup>m</sup> 23 16 <sup>h</sup> 44 <sup>m</sup> 25 26 <sup>h</sup> 57 <sup>m</sup> 13	69 69 69 69 69 70 71	478 495 496 497 480 541 484	8 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 7 <sup>o</sup>
669	6	0	54 $\frac{8}{8}$ 55 $\frac{8}{8}$ 68 $\frac{8}{8}$ 17 25 $\frac{8}{8}$ 19 32 $\frac{8}{8}$ 53 $\frac{8}{8}$ 42 $\frac{8}{8}$ 50 $\frac{8}{8}$	15 <sup>h</sup> 94 <sup>m</sup> 69 16 <sup>h</sup> 22 <sup>m</sup> 15 26 <sup>h</sup> 33 <sup>m</sup> 81 1 <sup>h</sup> 40 <sup>m</sup> 70 26 <sup>h</sup> 80 <sup>m</sup> 30 26 <sup>h</sup> 39 <sup>m</sup> 15 2 <sup>h</sup> 11 <sup>m</sup> 10 1 <sup>h</sup> 94 <sup>m</sup> 21 8 <sup>h</sup> 23 <sup>m</sup> 24 20 <sup>h</sup> 16 <sup>m</sup> 46	1 <sup>h</sup> 14 <sup>m</sup> 53 1 <sup>h</sup> 31 <sup>m</sup> 69 1 <sup>h</sup> 13 <sup>m</sup> 19 2 <sup>h</sup> 62 <sup>m</sup> 00 2 <sup>h</sup> 74 <sup>m</sup> 67 3 <sup>h</sup> 31 <sup>m</sup> 48 4 <sup>h</sup> 50 <sup>m</sup> 80 6 <sup>h</sup> 83 <sup>m</sup> 49 26 <sup>h</sup> 27 <sup>m</sup> 93 26 <sup>h</sup> 13 <sup>m</sup> 82	68 68 68 69 69 69 69 71 71	427 428 439 354 378 377 356 355 336 349	8 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup>	3819	9	0	44 $\frac{8}{8}$ 55 $\frac{8}{8}$ 90 $\frac{8}{8}$	1 <sup>h</sup> 55 <sup>m</sup> 67 2 <sup>h</sup> 73 <sup>m</sup> 53 2 <sup>h</sup> 97 <sup>m</sup> 23	8 <sup>h</sup> 61 <sup>m</sup> 98 9 <sup>h</sup> 83 <sup>m</sup> 87 26 <sup>h</sup> 69 <sup>m</sup> 58	69 69 71	493 494 484	8 <sup>o</sup> 8 <sup>o</sup> 7 <sup>o</sup>
4196	6	20	38 $\frac{8}{8}$ 55 $\frac{8}{8}$ 161 $\frac{8}{8}$ 96 $\frac{8}{8}$ 46 $\frac{8}{8}$ 33 $\frac{8}{8}$ 67 $\frac{8}{8}$	2 <sup>h</sup> 18 <sup>m</sup> 16 2 <sup>h</sup> 92 <sup>m</sup> 08 1 <sup>h</sup> 16 <sup>m</sup> 32 2 <sup>h</sup> 02 <sup>m</sup> 96 1 <sup>h</sup> 74 <sup>m</sup> 03 24 <sup>h</sup> 75 <sup>m</sup> 71 25 <sup>h</sup> 07 <sup>m</sup> 18	2 <sup>h</sup> 79 <sup>m</sup> 44 3 <sup>h</sup> 69 <sup>m</sup> 20 6 <sup>h</sup> 60 <sup>m</sup> 38 9 <sup>h</sup> 55 <sup>m</sup> 92 10 <sup>h</sup> 66 <sup>m</sup> 62 17 <sup>h</sup> 61 <sup>m</sup> 29 22 <sup>h</sup> 40 <sup>m</sup> 89	69 69 69 69 69 70 70	374 375 371 373 372 409 410	9 <sup>o</sup> 9 <sup>o</sup> 4 <sup>o</sup> 6 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup>	891	9	20	70 $\frac{8}{8}$ 53 $\frac{8}{8}$ 39 $\frac{8}{8}$ 73 $\frac{8}{8}$ 54 $\frac{8}{8}$ 73 $\frac{8}{8}$ 64 $\frac{8}{8}$ 55 $\frac{8}{8}$	26 <sup>h</sup> 87 <sup>m</sup> 42 1 <sup>h</sup> 68 <sup>m</sup> 36 3 <sup>h</sup> 08 <sup>m</sup> 47 2 <sup>h</sup> 47 <sup>m</sup> 52 26 <sup>h</sup> 24 <sup>m</sup> 80 2 <sup>h</sup> 20 <sup>m</sup> 15 25 <sup>h</sup> 23 <sup>m</sup> 70 4 <sup>h</sup> 67 <sup>m</sup> 39	5 <sup>h</sup> 33 <sup>m</sup> 50 8 <sup>h</sup> 28 <sup>m</sup> 77 8 <sup>h</sup> 22 <sup>m</sup> 66 11 <sup>h</sup> 00 <sup>m</sup> 65 14 <sup>h</sup> 78 <sup>m</sup> 92 17 <sup>h</sup> 64 <sup>m</sup> 56 23 <sup>h</sup> 17 <sup>m</sup> 95 24 <sup>h</sup> 07 <sup>m</sup> 66	69 69 69 69 70 70 70 71	527 514 515 526 571 557 570 499	9 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup>
3022	6	40	71 $\frac{8}{8}$ 56 $\frac{8}{8}$ 80 $\frac{8}{8}$ 46 $\frac{8}{8}$ 93 $\frac{8}{8}$ 29 $\frac{8}{8}$ 53	26 <sup>h</sup> 50 <sup>m</sup> 51 26 <sup>h</sup> 12 <sup>m</sup> 40 25 <sup>h</sup> 13 <sup>m</sup> 67 23 <sup>h</sup> 39 <sup>m</sup> 11 23 <sup>h</sup> 72 <sup>m</sup> 70 20 <sup>h</sup> 92 <sup>m</sup> 85 24 <sup>h</sup> 00 <sup>m</sup> 05	6 <sup>h</sup> 48 <sup>m</sup> 24 9 <sup>h</sup> 62 <sup>m</sup> 52 11 <sup>h</sup> 65 <sup>m</sup> 81 20 <sup>h</sup> 24 <sup>m</sup> 28 25 <sup>h</sup> 54 <sup>m</sup> 69 26 <sup>h</sup> 63 <sup>m</sup> 34 26 <sup>h</sup> 95 <sup>m</sup> 71	69 69 69 70 70 71 71	400 399 398 429 430 372 374	7 <sup>o</sup> 8 <sup>o</sup> 6 <sup>o</sup> 8 <sup>o</sup> 6 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup>	1933	9	40	105 $\frac{8}{8}$ 51 101 $\frac{8}{8}$ 45 $\frac{8}{8}$ 111 $\frac{8}{8}$ 43 102 $\frac{8}{8}$	5 <sup>h</sup> 48 <sup>m</sup> 04 13 <sup>h</sup> 17 <sup>m</sup> 19 24 <sup>h</sup> 07 <sup>m</sup> 85 3 <sup>h</sup> 43 <sup>m</sup> 85 1 <sup>h</sup> 70 <sup>m</sup> 31 2 <sup>h</sup> 15 <sup>m</sup> 74 3 <sup>h</sup> 55 <sup>m</sup> 14	1 <sup>h</sup> 90 <sup>m</sup> 29 1 <sup>h</sup> 27 <sup>m</sup> 50 1 <sup>h</sup> 55 <sup>m</sup> 53 12 <sup>h</sup> 37 <sup>m</sup> 47 15 <sup>h</sup> 22 <sup>m</sup> 12 21 <sup>h</sup> 64 <sup>m</sup> 15 22 <sup>h</sup> 71 <sup>m</sup> 58	69 69 69 70 70 70 70	528 535 545 569 567 566 568	8 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup>
3877	10	0	62 $\frac{8}{8}$ 67 $\frac{8}{8}$ 67 $\frac{8}{8}$ 76 $\frac{8}{8}$	2 <sup>h</sup> 20 <sup>m</sup> 85 25 <sup>h</sup> 33 <sup>m</sup> 37 26 <sup>h</sup> 17 <sup>m</sup> 51 1 <sup>h</sup> 38 <sup>m</sup> 94	6 <sup>h</sup> 74 <sup>m</sup> 93 15 <sup>h</sup> 49 <sup>m</sup> 61 18 <sup>h</sup> 88 <sup>m</sup> 66 20 <sup>h</sup> 46 <sup>m</sup> 64	69 70 70 70	544 604 607 588	8 <sup>o</sup> 9 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup>	1934	10	20	51 71 $\frac{8}{8}$ 99 $\frac{8}{8}$	22 <sup>h</sup> 32 <sup>m</sup> 24 3 <sup>h</sup> 78 <sup>m</sup> 84 26 <sup>h</sup> 38 <sup>m</sup> 60	1 <sup>h</sup> 14 <sup>m</sup> 03 20 <sup>h</sup> 16 <sup>m</sup> 28 22 <sup>h</sup> 17 <sup>m</sup> 54	69 70 70	578 603 620	9 <sup>o</sup> 8 <sup>o</sup> 7 <sup>o</sup>
3409	10	40	78 $\frac{8}{8}$ 53 $\frac{8}{8}$ 33 $\frac{8}{8}$ 67 $\frac{8}{8}$ 50 $\frac{8}{8}$ 64 $\frac{8}{8}$	8 <sup>h</sup> 23 <sup>m</sup> 96 2 <sup>h</sup> 15 <sup>m</sup> 92 26 <sup>h</sup> 87 <sup>m</sup> 62 25 <sup>h</sup> 98 <sup>m</sup> 68 23 <sup>h</sup> 91 <sup>m</sup> 87 26 <sup>h</sup> 16 <sup>m</sup> 15	1 <sup>h</sup> 60 <sup>m</sup> 05 7 <sup>h</sup> 70 <sup>m</sup> 60 17 <sup>h</sup> 94 <sup>m</sup> 45 18 <sup>h</sup> 40 <sup>m</sup> 44 20 <sup>h</sup> 68 <sup>m</sup> 53 20 <sup>h</sup> 53 <sup>m</sup> 82	69 69 70 70 70 70	583 579 642 640 638 641	5 <sup>o</sup> 7 <sup>o</sup> 9 <sup>o</sup> 7 <sup>o</sup> 8 <sup>o</sup> 7 <sup>o</sup>	3968	11	0	71 $\frac{8}{8}$ 71 $\frac{8}{8}$ 42 $\frac{8}{8}$ 57 $\frac{8}{8}$	3 <sup>h</sup> 03 <sup>m</sup> 87 24 <sup>h</sup> 72 <sup>m</sup> 27 25 <sup>h</sup> 94 <sup>m</sup> 66 1 <sup>h</sup> 12 <sup>m</sup> 98	3 <sup>h</sup> 58 <sup>m</sup> 07 11 <sup>h</sup> 35 <sup>m</sup> 97 11 <sup>h</sup> 05 <sup>m</sup> 63 19 <sup>h</sup> 32 <sup>m</sup> 62	69 70 69 70	592 654 604 635	8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup> 9 <sup>o</sup>
3975	11	20	78 $\frac{8}{8}$ 127 $\frac{8}{8}$ 54 $\frac{8}{8}$	15 <sup>h</sup> 91 <sup>m</sup> 86 24 <sup>h</sup> 65 <sup>m</sup> 31 25 <sup>h</sup> 04 <sup>m</sup> 80	1 <sup>h</sup> 67 <sup>m</sup> 56 12 <sup>h</sup> 69 <sup>m</sup> 49 12 <sup>h</sup> 04 <sup>m</sup> 25	69 70 70	608 670 671	8 <sup>o</sup> 5 <sup>o</sup> 9 <sup>o</sup>									
1786	7	40	49 $\frac{8}{8}$ 38 39 $\frac{8}{8}$ 23	2 <sup>h</sup> 42 <sup>m</sup> 37 25 <sup>h</sup> 46 <sup>m</sup> 73 2 <sup>h</sup> 96 <sup>m</sup> 48 3 <sup>h</sup> 26 <sup>m</sup> 37	8 <sup>h</sup> 80 <sup>m</sup> 19 8 <sup>h</sup> 23 <sup>m</sup> 60 10 <sup>h</sup> 51 <sup>m</sup> 30 12 <sup>h</sup> 00 <sup>m</sup> 50	69 69 69 69	432 451 433 434	7 <sup>o</sup> 8 <sup>o</sup> 8 <sup>o</sup> 9 <sup>o</sup>									



*Additional Reference Stars for Plates whose Centres are at Declination +70°.*

Plate.	R.A. of Centre.		Diam.	x.	y.	B. D.		Plate.	R.A. of Centre.		Diam.	x.	y.	B. D.			
						No.	Mag.							No.	Mag.		
3984	h	m						1135	h	m							
	11	40	79 $\frac{1}{2}$	21.8202	1.4569	69	629	9.0	16	0	65 $\frac{1}{2}$	2.3798	5.8162	69	816	8.8	
			50 $\frac{1}{2}$	25.1456	11.5746	70	678	9.5			53 $\frac{1}{2}$	2.5419	7.0465	69	817	8.8	
			89 $\frac{1}{2}$	3.6884	15.7169	70	669	7.3			42	26.8624	10.7193	69	837	9.4	
			77 $\frac{1}{2}$	25.0323	24.3606	71	591	8.5			29 $\frac{1}{2}$	2.7320	12.8080	70	848	9.5	
3990	12	0	48 $\frac{1}{2}$	25.5633	10.5502	69	655	9.2	4446	16	20	46 $\frac{1}{2}$	3.1699	6.2108	69	836	9.3
			77 $\frac{1}{2}$	26.0253	22.7463	70	690	8.0			54 $\frac{1}{2}$	2.2607	14.4256	70	867	9.1	
			66 $\frac{1}{2}$	26.9505	17.2859	70	691	8.0			68 $\frac{1}{2}$	9.4802	26.8161	71	774	8.0	
2531	12	20	42 $\frac{1}{2}$	2.5031	2.9242	69	654	9.3	4006	16	40	181 $\frac{1}{2}$	1.3334	2.1512	69	850	5.2
			76 $\frac{1}{2}$	26.1717	8.8279	69	669	7.3			61 $\frac{1}{2}$	2.9980	3.9988	69	851	8.5	
			94 $\frac{1}{2}$	24.5044	20.8705	70	705	4.8			40 $\frac{1}{2}$	1.2390	13.2720	70	881	9.1	
			81 $\frac{1}{2}$	26.6905	22.9225	70	707	6.8			44 $\frac{1}{2}$	2.4996	13.8635	70	882	8.6	
											38 $\frac{1}{2}$	23.0033	17.5615	70	899	8.9	
3995	12	40	210 $\frac{1}{2}$	3.2302	18.3448	70	703	3.3	1130	17	0	48 $\frac{1}{2}$	8.2183	1.8509	69	878	8.9
			65 $\frac{1}{2}$	25.6607	18.5762	70	719	8.9			77 $\frac{1}{2}$	25.6670	1.0045	68	917	9.0	
			73 $\frac{1}{2}$	25.5515	19.8997	70	718	8.7			86 $\frac{1}{2}$	26.8547	1.6519	68	920	8.0	
			69 $\frac{1}{2}$	25.8724	19.4324	70	720	9.0			64 $\frac{1}{2}$	1.0210	2.5351	69	873	9.0	
4007	13	0	41 $\frac{1}{2}$	24.9793	12.1953	70	731	8.9			76 $\frac{1}{2}$	3.0015	3.2673	69	877	8.3	
3093	13	20	114 $\frac{1}{2}$	6.6386	1.3062	69	694	6.0			95 $\frac{1}{2}$	1.1035	5.5100	69	872	7.5	
			59 $\frac{1}{2}$	3.2932	8.3412	69	692	8.5			55 $\frac{1}{2}$	26.6043	9.5632	69	898	8.9	
			42 $\frac{1}{2}$	2.5516	14.5660	70	730	8.5			50 $\frac{1}{2}$	17.9805	25.9315	71	821	8.1	
			61 $\frac{1}{2}$	25.8899	21.2681	70	746	8.8	2698	17	20	60 $\frac{1}{2}$	4.0330	1.0380	68	917	9.0
			90 $\frac{1}{2}$	26.2386	21.8806	70	747	7.0			62 $\frac{1}{2}$	5.2665	1.5915	68	920	8.0	
			54 $\frac{1}{2}$	20.0153	26.5854	71	652	8.8			78 $\frac{1}{2}$	13.4785	1.6354	69	906	7.9	
											77 $\frac{1}{2}$	2.9647	4.8762	69	895	7.8	
4014	13	40	68 $\frac{1}{2}$	25.9100	10.9090	69	726	8.0			65	26.8347	5.5993	69	924	9.2	
			63 $\frac{1}{2}$	26.9710	14.7445	70	761	8.0			55	26.2258	6.9308	69	923	8.6	
			84 $\frac{1}{2}$	3.1541	25.5148	71	654	7.3			36 $\frac{1}{2}$	3.0355	8.7157	69	894	9.0	
			57 $\frac{1}{2}$	26.4994	25.4482	71	670	8.9			87 $\frac{1}{2}$	26.6468	10.2581	69	925	6.5	
											33 $\frac{1}{2}$	3.6705	18.0754	70	912	9.0	
4018	14	0	57 $\frac{1}{2}$	6.5583	1.9588	69	728	8.6			52	25.9386	22.7629	70	938	9.0	
			75 $\frac{1}{2}$	2.0276	10.0105	69	723	7.8			82 $\frac{1}{2}$	25.4134	24.5281	70	935	8.6	
			115 $\frac{1}{2}$	24.5742	13.0470	70	778	5.3	2699	17	40	54 $\frac{1}{2}$	13.1391	1.4891	69	936	9.2
			80 $\frac{1}{2}$	1.4511	16.0543	70	760	8.0			48	16.9617	1.1518	68	953	9.1	
			37 $\frac{1}{2}$	10.1091	26.0453	71	672	9.0			90 $\frac{1}{2}$	25.6641	4.4859	69	951	8.5	
2050	14	20	59 $\frac{1}{2}$	24.7638	4.6509	69	755	9.1			36	1.4268	14.1247	70	928	9.4	
			72 $\frac{1}{2}$	24.8099	4.4303	69	756	8.6			54 $\frac{1}{2}$	25.4402	16.1833	70	958	8.0	
			84 $\frac{1}{2}$	1.3859	6.3044	69	736	6.5			61 $\frac{1}{2}$	26.6930	17.4583	70	961	8.6	
			105 $\frac{1}{2}$	1.2232	15.0625	70	774	7.2			78	2.7789	25.8141	70	930	9.0	
			65 $\frac{1}{2}$	3.0380	20.6361	70	776	7.9			55 $\frac{1}{2}$	14.7705	26.3902	71	852	9.0	
			85 $\frac{1}{2}$	24.2711	22.4255	70	792	8.0	1146	18	0	48 $\frac{1}{2}$	2.4859	3.8981	69	948	9.1
2668	14	40	48 $\frac{1}{2}$	3.1475	4.2170	69	754	9.1			70 $\frac{1}{2}$	26.7483	4.8951	69	970	8.2	
			61 $\frac{1}{2}$	1.0518	10.9640	69	751	8.3			74 $\frac{1}{2}$	26.7532	4.9082	69	968	8.9	
			62 $\frac{1}{2}$	24.4827	10.0380	69	773	9.5			60 $\frac{1}{2}$	25.2797	9.9978	69	967	8.9	
			62 $\frac{1}{2}$	26.7234	12.7980	70	812	9.0			64 $\frac{1}{2}$	1.6659	11.6447	69	947	8.5	
			86 $\frac{1}{2}$	26.8718	16.3311	70	813	7.6			55 $\frac{1}{2}$	25.6699	11.8274	69	969	9.0	
			48 $\frac{1}{2}$	24.0968	21.1590	70	811	9.0			75 $\frac{1}{2}$	23.2822	26.8181	71	875	8.8	
2669	15	0	49 $\frac{1}{2}$	15.6744	1.1325	69	780	9.1	2710	18	20	48 $\frac{1}{2}$	2.4636	11.0663	69	967	8.8
			57 $\frac{1}{2}$	2.8846	10.0883	69	772	8.4			47 $\frac{1}{2}$	2.0203	19.5664	70	978	9.0	
			64 $\frac{1}{2}$	26.7470	10.7563	69	786	8.5			40 $\frac{1}{2}$	1.7950	21.9235	70	976	9.0	
			52 $\frac{1}{2}$	26.3044	13.6957	70	831	9.0			44 $\frac{1}{2}$	19.1705	26.0340	70	997	9.0	
			51 $\frac{1}{2}$	1.2043	19.0185	70	808	8.8									
			84 $\frac{1}{2}$	13.6067	26.0521	71	706	6.8	3171	18	40	62 $\frac{1}{2}$	7.0632	1.1072	68	1004	8.9
1142	15	20	70 $\frac{1}{2}$	24.6615	8.0450	69	799	8.6			64 $\frac{1}{2}$	7.7440	1.8441	68	1005	8.4	
			100 $\frac{1}{2}$	2.1492	14.6443	70	827	7.2			58 $\frac{1}{2}$	13.1791	1.1344	68	1015	8.5	
			44 $\frac{1}{2}$	24.3445	19.3819	70	837	9.0			54 $\frac{1}{2}$	16.1373	1.5393	68	1017	8.8	
			78 $\frac{1}{2}$	2.0410	20.5920	70	826	8.1			73 $\frac{1}{2}$	2.2304	3.2992	69	985	8.5	
			61 $\frac{1}{2}$	15.0223	26.2181	71	724	8.8			74 $\frac{1}{2}$	26.0871	16.6435	70	1032	8.5	
			69 $\frac{1}{2}$	22.6082	26.3907	71	733	8.3			56 $\frac{1}{2}$	23.2347	20.7010	70	1030	8.5	
			98 $\frac{1}{2}$	26.6833	26.7472	71	735	8.8			92 $\frac{1}{2}$	26.4457	26.1470	70	1033	9.0	
1135	16	0	63 $\frac{1}{2}$	3.9013	2.0986	69	818	9.0	1246	19	0	82 $\frac{1}{2}$	24.8719	1.2805	68	1046	8.0
											51 $\frac{1}{2}$	2.2026	5.6681	69	1003	9.2	

*Additional Reference Stars for Plates whose Centres are at Declination + 70°.*

Plate.	R.A. of Centre.	Diam.	x.	y.	B. D.		Plate.	R.A. of Centre.	Diam.	x.	y.	R. D.								
					No.	Mag.						No.	Mag.							
1246	h 19 m 0	86§ 75§ 73§ 57§	26.4660 26.3207 1.6247 6.8279	5.2204 10.5982 17.6005 26.0210	69 1034 69 1035 70 1027 70 1033	8.0 8.5 7.8 9.0	4569	h 22 m 0	63§ 84§ 54§ 59§ 56§ 70§	25.9485 25.6810 2.0509 25.4599 2.1389 22.0802	8.7564 9.9015 11.2405 11.2206 12.7981 26.3464	69 1233 69 1232 69 1202 69 1231 69 1201 70 1220	8.5 8.0 9.0 8.8 9.0 8.5							
1280	19 20	80§ 62§ 82§ 64§ 55§ 60§ 74§ 103§	3.2643 2.8855 26.1291 2.5809 26.0977 24.4072 25.0786 25.6712	1.2808 2.5500 5.9521 9.5790 18.6332 22.9618 23.0465 23.5024	68 1046 68 1045 69 1052 69 1029 70 1074 70 1071 70 1072 70 1073	8.0 9.2 8.2 8.8 8.9 9.0 8.0 6.3	2309	22 20	37 54§ 110§ 66§ 41§ 113§ 58§ 103§ 45§ 68§ 73§ 46§ 35§	1.9813 3.5406 24.7633 25.0338 1.8407 1.8892 2.8581 24.8407 1.0386 2.9103 2.6360 2.2433 11.9080	3.8007 6.8416 6.8648 8.9510 9.7990 9.8094 12.7504 12.4173 17.0706 19.8955 21.7794 24.2136 26.7683	68 1285 69 1230 69 1262 69 1264 69 1228 69 1229 69 1263 70 1217 70 1222 70 1221 70 1219 70 1230	9.0 8.7 6.0 8.2 5.9 7.9 6.2 9.0 7.7 7.7 9.0 9.0							
1324	19 40	42§ 32§ 48§	2.1100 3.6792 19.8310	8.3291 17.4917 26.7386	69 1051 69 1068 70 1089	9.0 9.1 9.0	2743	20 0	45§ 32 53§ 10 139§ 60§	14.5487 19.0819 19.3509 19.1587 2.2178 24.2836	1.4473 1.7517* 1.5799 1.0563* 14.3630 20.6045	68 1098 68 1104 69 1070 70 1108	8.5 9.2 3.8 8.2	3264	22 40	49§ 67§ 31§ 35§ 42§ 33§ 47§ 70§ 53§ 70§	25.5862 26.4171 23.1922 23.0610 26.5956 23.6729 1.9970 25.4073 18.2254 25.3726	1.7198 11.3462 17.8465 18.2051 18.5856 20.9085 23.5712 24.0300 26.1986 26.2755	68 1339 69 1288 70 1279 70 1278 70 1285 70 1280 70 1249 70 1283 70 1272 70 1284	9.0 7.0 9.2 9.2 8.8 9.0 8.1 7.8 8.0
2307	20 20	89§ 101§ 86§ 123§ 68§ 62§ 67§ 85§	20.2081 24.9434 26.1996 26.4888 24.3921 3.3757 26.3147 22.3468	1.9180 1.0448 15.7566 16.4904 17.3906 19.6477 24.0453 26.7948	68 1126 68 1133 69 1110 70 1126 70 1124 70 1106 70 1127 70 1122	7.0 8.5 8.3 6.8 8.5 7.7 8.8 9.0	2372	23 0	46 74§ 54§ 76§ 67§	4.4310 22.8995 26.3886 26.6528 6.1096	1.6383 1.2920 12.2845 17.3962 26.1382	68 1339 68 1359 69 1321 70 1312 70 1284	9.0 8.5 9.0 8.3 8.0							
2853	21 0	49§ 81§ 101§	12.8716 1.0808 19.6975	1.1554 5.6540 26.3815	68 1174 69 1130 70 1164	8.5 7.0 6.0	2314	21 20	53§ 86§ 40§ 67§ 72§ 71§ 64§	12.6167 25.0809 24.9810 4.4677 4.6011 1.3841 4.6196	1.5595 4.6826 11.1138 14.3842 19.0149 25.9095 25.7890	68 1205 69 1178 69 1181 69 1151 70 1171 70 1167 70 1170	9.0 8.7 9.0 6.8 7.2 8.0 8.5	2373	23 20	81 25§ 37§ 28§	1.0540 3.0010 4.8703 4.1316	1.4033 16.3617 16.9086 17.1806	68 1359 69 1317 69 1318 70 1310	8.5 9.2 9.0 9.2
2315	21 40	101§ 82§ 69§	25.8929 3.6124 3.4950	4.9148 18.7267 20.8599	69 1204 70 1183 70 1182	7.2 7.2 7.7	2888	23 40	25 60§ 35§ 36§ 36 54§ 44§	4.8344 19.9590 2.3450 2.7764 25.0984 24.9116 24.3397	1.6417 1.4673 12.4194 12.0370 13.7342 15.8278 16.6416	68 1383 68 1402 69 1335 69 1337 69 1371 69 1370 69 1369	9.0 8.1 9.3 8.4 8.8 8.5 8.6							
4569	22 0	69§	26.1788	6.9960	69 1234	8.0														

\* Plate 2743. These two stars are not in the *Bonn Durchmusterung* but are numbered 3142 and 3145 respectively in the *A. G. (Christiania) Catalogue*. Magnitude of each 9.4.



*Additional Reference Stars for Plates whose Centres are at Declination +71°.*

Plate.	R.A. of Centre.		Diam.	$\alpha$ .	$\gamma$ .	B.D.		Plate.	R.A. of Centre.		Diam.	$\alpha$ .	$\gamma$ .	B.D.	
						No.	Mag.							No.	Mag.
4612	h	m	86 $\frac{1}{2}$	1°1396	1°4794	69° 1378	7·7	3803	h	m	65 $\frac{1}{2}$	21°0627	1°9915	70° 402	8·7
	0	12	70 $\frac{1}{2}$	1°5105	5°2835	69° 1379	8·5				53 $\frac{1}{2}$	1°2492	5°4690	70° 390	8·3
											68 $\frac{1}{2}$	26°6590	19°2331	71° 356	8·2
3303	1	0	106 $\frac{1}{2}$	5°3218	1°6012	69° 55	6·8				29 $\frac{1}{2}$	26°8865	20°5105	71° 357	9·0
			70 $\frac{1}{2}$	8°7522	1°8238	69° 61	8·3								
			31 $\frac{1}{2}$	9°3655	1°2600	69° 62	9·4	3376	6	36	51 $\frac{1}{2}$	21°5783	26°1410	72° 338	9·0
			54 $\frac{1}{2}$	1°7781	18°3411	71° 41	8·9				80 $\frac{1}{2}$	24°3307	26°9249	72° 341	7·7
1678	1	24	77 $\frac{1}{2}$	26°5284	7°0932	70° 124	8·6	3340	7	0	20	26°3016	4°5331	70° 448	8·5
			54 $\frac{1}{2}$	26°5844	18°9940	71° 100	8·2				18	1°4808	14°8713	71° 372	8·8
			60 $\frac{1}{2}$	25°4078	20°5154	71° 98	9·0				26	1°6436	24°9615	71° 371	8·7
			71 $\frac{1}{2}$	26°6768	22°7865	71° 102	8·8								
			96 $\frac{1}{2}$	2°2008	24°7713	71° 64	6·8	4371	7	24	70 $\frac{1}{2}$	22°7814	1°0480	70° 471	7·8
			66 $\frac{1}{2}$	19°8621	26°9503	71° 91	8·0				86 $\frac{1}{2}$	26°8647	7°6651	70° 474	6·8
1722	1	48	69	26°9232	2°9405	69° 138	8·9	4373	8	12	110 $\frac{1}{2}$	1°6368	2°3886	70° 497	6·5
			45	26°4949	11°4231	70° 164	9·0				70 $\frac{1}{2}$	26°7933	5°9363	70° 518	8·8
			98 $\frac{1}{2}$	26°1697	15°3169	70° 163	7·2	1855	8	36	29	1°7134	14°3084	71° 460	9·0
3711	2	12	43 $\frac{1}{2}$	14°9985	1°5897	69° 142	9·0				82 $\frac{1}{2}$	26°2733	14°7019	71° 484	7·0
			81 $\frac{1}{2}$	23°7288	1°7993	69° 150	8·8								
			102 $\frac{1}{2}$	26°4001	8°5059	70° 182	8·0	2500	9	24	56 $\frac{1}{2}$	25°8806	11°0293	70° 575	7·8
			97 $\frac{1}{2}$	26°6024	12°6080	70° 183	6·5								
			72 $\frac{1}{2}$	1°9273	18°6927	71° 119	8·0	1858	9	48	53 $\frac{1}{2}$	12°0460	1°0298	70° 586	9·4
			63 $\frac{1}{2}$	2°4211	19°6593	71° 120	8·8				90 $\frac{1}{2}$	26°0290	7°2751	70° 598	7·5
3706	2	36	74 $\frac{1}{2}$	1°7668	16°2162	70° 181	8·4				75 $\frac{1}{2}$	1°3246	12°9749	71° 509	8·0
			93 $\frac{1}{2}$	25°6174	23°1300	71° 179	7·9				55 $\frac{1}{2}$	2°4314	20°9530	71° 510	9·2
1693	3	0	41 $\frac{1}{2}$	22°2287	1°4010	69° 204	8·8	1859	10	12	73 $\frac{1}{2}$	1°2130	6°5268	70° 596	8·5
			85 $\frac{1}{2}$	26°6319	13°3606	70° 241	7·5	4376	10	36	47	26°4890	23°6256	72° 507	9·1
			67 $\frac{1}{2}$	25°7025	22°7373	71° 195	8·9								
2991	3	24	32	4°1917	1°0018	69° 209	8·6	1975	11	0	53 $\frac{1}{2}$	1°0135	7°3056	70° 635	9·0
			19	26°7736	16°2870	71° 217	9·0				55 $\frac{1}{2}$	1°7005	16°1548	71° 552	8·8
4182	3	48	24	24°3287	1°8758	69° 236	9·5				61 $\frac{1}{2}$	16°4894	26°4520	72° 517	8·9
			72 $\frac{1}{2}$	26°3373	3°0378	69° 240	8·0				29	16°5123	26°0984	72° 518	9·0
			44	1°2314	5°7182	70° 253	9·1				55 $\frac{1}{2}$	20°5936	26°5955	72° 523	9·0
			69 $\frac{1}{2}$	2°0525	17°9223	71° 216	7·0	4412	11	24	25 $\frac{1}{2}$	15°0285	25°9878	72° 537	9·0
			53	1°4540	26°1147	71° 215	9·0				55 $\frac{1}{2}$	26°0762	25°4419	72° 542	9·2
			77	26°4668	26°6010	71° 237	8·9	2579	11	48	33 $\frac{1}{2}$	2°5282	20°0435	71° 583	9·1
2993	4	12	49	24°4194	1°2187	69° 260	9·0	1955	13	0	85 $\frac{1}{2}$	1°9980	26°4785	72° 585	8·4
			60 $\frac{1}{2}$	26°8461	8°5732	70° 306	8·5	1957	13	48	66 $\frac{1}{2}$	25°9213	12°1788	71° 674	7·7
			45 $\frac{1}{2}$	26°3758	15°8381	71° 262	8·8	2666	14	36	61 $\frac{1}{2}$	3°3476	1°4969	70° 789	8·9
			41	2°4736	22°9755	71° 235	9·0				69 $\frac{1}{2}$	10°7207	26°2146	72° 649	8·2
			59 $\frac{1}{2}$	4°3635	26°3829	71° 237	8·9	2667	15	0	68	26°2991	1°6772	70° 831	9·0
			32	9°2739	26°0438	71° 245	9·0				41	1°1893	6°9576	70° 808	8·8
1695	4	36	95 $\frac{1}{2}$	1°5115	3°8197	70° 305	7·8				102 $\frac{1}{2}$	2°0487	26°4394	72° 653	7·5
			52 $\frac{1}{2}$	25°5012	18°3403	71° 283	8·8	1126	15	24	50 $\frac{1}{2}$	1°5941	18°9194	71° 716	8·6
			67 $\frac{1}{2}$	26°3867	18°0223	71° 285	8·5				71 $\frac{1}{2}$	26°0185	24°4118	72° 687	8·5
			79 $\frac{1}{2}$	25°3736	19°6682	71° 282	8·0	4985	15	48	80 $\frac{1}{2}$	23°8285	1°2408	70° 853	8·9
4199	5	0	59 $\frac{1}{2}$	6°5159	1°1887	69° 293	8·7				48 $\frac{1}{2}$	2°2047	11°6635	70° 840	9·0
			68 $\frac{1}{2}$	1°1742	17°0125	71° 280	8·5				43 $\frac{1}{2}$	14°8678	25°9018	72° 697	9·0
			76 $\frac{1}{2}$	6°2468	26°3603	71° 288	8·2				52 $\frac{1}{2}$	1°8771	21°9246	71° 739	9·0
4370	5	24	73 $\frac{1}{2}$	26°4526	4°8749	70° 370	9·1				45 $\frac{1}{2}$	2°6872	22°9578	71° 740	8·9
			63 $\frac{1}{2}$	26°5618	8°0791	70° 371	8·8				53 $\frac{1}{2}$	6°0925	26°4059	72° 689	9·0
			69 $\frac{1}{2}$	25°8244	11°4266	70° 368	8·0	2676	16	12	73 $\frac{1}{2}$	1°4555	2°5344	70° 857	9·0
			41 $\frac{1}{2}$	9°9191	25°9683	71° 308	9·0				83 $\frac{1}{2}$	1°4179	16°3227	71° 762	7·0
1838	5	48	52	1°9840	6°0080	70° 370	9·1				65 $\frac{1}{2}$	16°5274	26°3522	72° 720	8·0
			59 $\frac{1}{2}$	1°1494	10°2565	70° 367	9·0								
			84 $\frac{1}{2}$	26°0068	15°9943	71° 340	7·0								
			55	24°4709	21°1559	71° 339	9·1								

*Additional Reference Stars for Plates whose Centres are at Declination +71°.*

Plate.	R.A. of Centre.	Diam.	$\alpha$ .	$\gamma$ .	B.D.		Plate.	R.A. of Centre.	Diam.	$\alpha$ .	$\gamma$ .	B.D.	
					No.	Mag.						No.	Mag.
4481	h m 16 36	56 $\frac{1}{2}$ 80 $\frac{1}{2}$ 72 $\frac{1}{2}$ 56 $\frac{1}{2}$	6'4361 15'1764 26'8805 2'0975	1'6099 1'8011 5'6530 14'5523	70° 882 70 887 70 899 71 786	8'6 8'2 8'9 7'5	2746	h m 20 36	53 $\frac{1}{2}$	1'2604	11'3296	70° 1118 69 1172 69 1187	7'8 8'8 9'4
4023	17 0	90 $\frac{1}{2}$ 66 $\frac{1}{2}$ 53 $\frac{1}{2}$	18'6373 21'3206 1'2753	1'1779 1'3775 10'9493	69 891 70 909 70 898	7'7 9'2 8'9	2774	21 48	21	1'2493	1'9165	69 1187	9'4
2704	17 24	17 $\frac{1}{2}$ 56 62 $\frac{1}{2}$	17'8478 26'8953 1'8090	1'7884 25'5113 26'2239	70 928 71 850 72 770	9'4 8'3 8'7	2771	22 12	64 $\frac{1}{2}$ 43 $\frac{1}{2}$	26'3563 26'3505	8'1544 25'2474	70 1241 71 1137	9'0 9'0
2718	18 12	66 $\frac{1}{2}$ 31 $\frac{1}{2}$ 49 37 $\frac{1}{2}$	21'0060 1'6644 26'5524 26'9656	1'5867 3'6653 4'2082 14'2983	69 974 70 969 70 995 70 997	8'1 9'2 9'4 9'0	2908	23 0	68 $\frac{1}{2}$ 57 $\frac{1}{2}$ 54 $\frac{1}{2}$	26'4156 1'7385 6'9421	5'4139 21'7291 26'8846	70 1312 71 1165 71 1172	8'3 8'0 8'0
1241	18 36	80 $\frac{1}{2}$ 45 $\frac{1}{2}$	3'1614 1'2344	1'8011 8'4494	69 982 70 994	8'6 8'8	3256	23 24	59 $\frac{1}{2}$ 35 $\frac{1}{2}$ 56 $\frac{1}{2}$	24'5373 26'1941 25'8907	1'2669 6'0343 17'6538	69 1344 70 1332 71 1220	8'9 9'4 9'0
2844	19 0	56 $\frac{1}{2}$	1'6453	5'5654	70 1027	7'8	1579	23 48	54 $\frac{1}{2}$ 38 $\frac{1}{2}$ 90 $\frac{1}{2}$ 68 $\frac{1}{2}$ 74 $\frac{1}{2}$ 53 $\frac{1}{2}$	14'7390 16'8547 25'8748 19'3501 1'0563 1'0353	1'4655 1'4091 1'3803 2'0148 5'0230 6'4135	69 1368 69 1371 69 1378 69 1373 69 1345 70 1331	9'0 8'8 7'7 8'0 8'0 9'3
1242	19 24	62	26'9908	2'8915	69 1059	9'3							
2742	19 48	49 $\frac{1}{2}$	6'3938	1'0909	69 1062	9'0							
2745	20 12	79 $\frac{1}{2}$	1'0586	3'3828	69 1085	8'5							

*Additional Reference Stars for Plates whose Centres are at Declination +72°.*

3660	0 0	74 $\frac{1}{2}$	25'6955	7'8567	71 10	8'5	3372	6 0	50 $\frac{1}{2}$	1'7460	66'0833	71 331	9'0
2924	0 24	64 $\frac{1}{2}$	6'7449	1'5463	70 12	7'3	1814	6 48	69 $\frac{1}{2}$ 29 $\frac{1}{2}$	16'0230 1'5476	1'2591 7'7598	70 436 71 363	9'2 8'3
4601	1 12	57 $\frac{1}{2}$	26'4610	10'1548	71 83	9'0	4762	8 24	69 $\frac{1}{2}$ 71 $\frac{1}{2}$ 62 $\frac{1}{2}$	26'5821 25'6167 26'7707	1'7845 5'9262 9'8188	71 474 71 470 71 475	8'7 7'8 8'9
3684	1 36	87 $\frac{1}{2}$ 133 $\frac{1}{2}$	1'6915 26'5329	4'5697 5'2118	70 107 71 111	8'5 7'4	4763	8 48	63 $\frac{1}{2}$ 59 $\frac{1}{2}$	3'1705 1'9268	1'7035 10'1360	71 474 71 468	8'7 8'5
2948	2 0	52 $\frac{1}{2}$	1'1903	9'5219	71 109	8'5	934	10 0	68 $\frac{1}{2}$ 56 $\frac{1}{2}$	1'5914 2'9710	8'9022 12'9027	71 518 72 474	8'0 9'0
3637	2 24	65 $\frac{1}{2}$ 75 $\frac{1}{2}$	1'2999 26'1914	6'0430 8'9436	71 128 71 163	9'0 8'4	1978	13 36	72 $\frac{1}{2}$	6'8511	1'2968	71 654	7'3
1701	2 48	35 $\frac{1}{2}$	14'3096	1'3983	70 215	9'0	3088	15 12	86 $\frac{1}{2}$	1'8859	2'3398	71 706	6'8
2990	3 12	59 $\frac{1}{2}$	1'8636	3'6697	70 227	8'5	4033	15 36	46 $\frac{1}{2}$	16'4506	1'4509	71 742	9'0
3688	3 36	63 $\frac{1}{2}$	23'5413	2'0430	70 267	9'0	2708	16 24	67 $\frac{1}{2}$	2'2791	8'9868	71 768	7'5
1703	4 0	94 $\frac{1}{2}$	17'7274	1'4881	70 281	7'0	2722	19 12	26 $\frac{1}{2}$	1'7066	12'5927	71 919	9'0
3017	4 24	56 55 33 $\frac{1}{2}$	1'3000 26'9620 1'1494	2'9828 2'7053 12'2250	70 291 70 317 71 247	8'7 9'0 9'0	3267	22 24	67 $\frac{1}{2}$ 45 $\frac{1}{2}$ 36 $\frac{1}{2}$ 47 $\frac{1}{2}$ 60 $\frac{1}{2}$	26'5880 2'0976 1'3562 2'2868 2'6687	4'4071 8'7492 9'5147 9'4311 13'8388	70 1258 71 1114 71 1113 71 1115 71 1116	8'3 9'0 9'1 8'8 8'0
3871	4 48	61 $\frac{1}{2}$	25'9718	7'4249	71 295	9'0							
1820	5 36	73	3'5176	2'0748	70 360	8'4							





















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